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Welcome to the 2023 IEEE Symposium Series on Computational Intelligence

On behalf of the organizing committee, it is my pleasure to welcome all participants and friends to the 2023 IEEE Symposium Series on Computational Intelligence (SSCI 2023), held in Mexico City from December 5th to 8th, 2023.

SSCI 2023 is a flagship meeting organized by the IEEE Computational Intelligence Society. It serves as a primary forum for multidisciplinary research in the field of computational intelligence. It includes plenary sessions, panel discussion, contributed paper sessions, workshops, tutorial sessions numerous social events, and student activities.

In the history of SSCI conferences, this is the first time the conference is held in Latin America, specifically in Mexico City, the largest Spanish-speaking city. It is one of the world's largest cities, boasting a wealth of cultural and historical attractions. The conference venue is the Sheraton Mexico City Maria Isabel Hotel, located on Paseo de la Reforma in the bustling business and shopping district.

SSCI 2023 is an in-person conference and features 40 symposia and 13 special sessions, each dedicated to a special topic within or related to computational intelligence. SSCI 2023 has received 442 submissions from 47 different countries, with 1,157 authors contributing symposium papers, special session papers, and presentation-only papers. In the final program, 307 technical papers were selected, including 281 regular papers which will be included in the IEEE Xplore, and 26 presentation-only papers.

In addition to the papers, SSCI 2023 has 5 plenary sessions, 5 tutorials, 3 workshops, a panel discussion, and a best paper award sponsored by the Sociedad Mexicana de Inteligencia Artificial. We are very proud to be able to offer such a comprehensive technical program, both in terms of its depth and breadth.

I appreciate the CIS community including the authors, the 704 reviewers, and the symposia and special session chairs. Without their support we would not have been able to reach such a good number of submissions and high-quality evaluations.

I would like to thank the organizing committee and the volunteers for their efforts in ensuring that SSCI 2023, the final annual meeting of SSCI, becomes a reality. I sincerely hope that SSCI 2023 will be an engaging and memorable experience for all attendees.

Wen Yu General Chair CINVESTAV-IPN Mexico City, Mexico

Organizing Committee

General Chair



Wen Yu CINVESTAV-IPN Mexico

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Minwoo Jake Lee University of North Carolina Charlotte USA



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Marley Vellasco Pontifícia Universidade Católica do Rio de Janeiro (PUC-Rio) Brazil

Tuesday December 5, 2023

	ו מפט ו nesuay חבר	i uesday December 3, 2023	
Track 1	Track 2	Track 3	Track 4
09:00-10:00 TuA1	09:00-10:00 TuA2	09:00-10:00 TuA3	09:00-10:00 TuA4
Imperio A	Constitución A	Constitución B	Constitución C
T1: Evolutionary Multi-Objective Feature Selection	T2: A Tuto	W1: Trustworthy AI through Model Risk	W2: Computational Intelligence Techniques for
for Machine Learning	Optimization_Concepts, Algorithms, and Amplications 1	Management 1	Solving Equity, Diversity, and Inclusivity Problem 1
	Applications 1	T T E	
	10:00-10 Foyer 2 Coffee	10:00-10:30 TuC1d Foyer 2nd floor Coffee Break 5	
10:30-11:30 TuB1	2	10:30-11:30 TuB3	10:30-11:30 TuB4
Foyer 2nd floor T1: Evolutionary Multi-Objective Feature Selection	Constitución A T2: A Tutorial on Evolutionary Bilevel	Constitución B W1: Trustworthy AI through Model Risk	Constitución C W2: Commissional Intelligence Techniques for
for Machine Learning 2	0	Management 2	Solving Equity, Diversity, and Inclusivity Problem 2
		11:30-13:00 TuLc Imperio A - Constitución C Box Lunch	
13:00-14:00 TuC1	13:00-14:00 TuC2	13:00-14:00 TuC3	13:00-14:00 TuC4
Imperio A	Constitución A	Constitución B	Constitución C
T3: Real-World Robot Evolution 1	T2: A Tutorial on Evolutionary Bilevel	W1: Trustworthy AI through Model Risk	W2: Computational Intelligence Techniques for
	Optimization Concepts, Algorithms, and Applications 3	Management 3	Solving Equity, Diversity, and Inclusivity Problem 3
14:00-15:00 TuD1	14:00-15:00 TuD2	14:00-15:00 TuD3	14:00-15:00 TuD4
Bugambilias	Constitución A	Constitución B	Constitución C
T3: Real-World Robot Evolution 2	W3: Quantum Machine Learning 1	T5: Computational Intelligence: Applications in	W2: Computational Intelligence Techniques for
	15:00-15	15:00-15:30 TuC2b	Sorving Equity, Diversity, and inclusivity Housem 4
	Foyer	Foyer 2nd floor	
	Coffee	Coffee Break 6	
15:30-16:30 TuE1	15:30-16:30 TuE2	15:30-16:30 TuE3	15:30-16:30 TuE4
Imperio A	Constitución A	Constitución B	Constitución C
T4: Adversarial Attacks, GAN, TrojAI, and	W3: Quantum Machine Learning 2	T5: Computational Intelligence: Applications in	W2: Computational Intelligence Techniques for
Defense Mechanisms 1		System Identification, Control, and Optimization 2	Solving Equity, Diversity, and Inclusivity Problem 5
16:30-17:30 TuF1	16:30-17:30 TuF2	16:30-17:30 TuF3	16:30-17:30 TuF4
Imperio A	Constitución A	Constitución B	Constitución C
T4: Adversarial Attacks, GAN, TrojAI, and	W3: Quantum Machine Learning 3	T5: Computational Intelligence: Applications in	W2: Computational Intelligence Techniques for
Defense Mechanisms 2		System Identification, Control, and Optimization 3	Solving Equity, Diversity, and Inclusivity Problem 6

18:00-20:00 TuDa Bugambilias Welcome Reception	
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2023
6,
December
Wednesday

	13:30-15:30 WeA8 Conquista CI for Multimedia Signal and Vision Processing (CIMSIVP)	-	16:00-18:00 WeB8 Conquista CI for Multimedia Signal and Vision Processing (CIMSIVP)
	13:30-15:30 WeA7 Colonia CI Applications in Smart Grid (CIASG)		16:00-18:00 WeB7 Colonia CI in IoT and Smart Cities (CIIoT)
	13:30-15:30 WeA6 Constitución C CI in Vehicles and Transportation Systems (CIVTS)		16:00-18:00 WeB6 Constitución C CI for Engineering Solutions (CCES)
12:00-13:30 WeLd Bugambilias	Lunch 3 44 13:30-15:30 WeA5 Constitución B ce CI for Industrial Process (CIIP) 1	15:30-16:00 WeC2e Foyer 2nd floor Coffee Break 8	16:00-18:00 WeB5 Constitución B CI for Industrial Process (CIIP) 2
12:00-13: Bugar	Lun 13:30-15:30 WeA4 Constitución A CI for Human-Like Intelligence (CIHLI)	15:30-16: Foyer 2 Coffee	16:00-18:00 WeB4 Constitución A CI and Ensemble Learning (CIEL)
	13:30-15:30 WeA3 Imperio C CI for Financial Engineering and Economics (CIFEr) 1		16:00-18:00 WeB3 Imperio C CI for Financial Engineering and Economics (CIFEr) 2
	13:30-15:30 WeA1 13:30-15:30 WeA2 Imperio A Imperio B Deep Learning (DL) 1 CI for Brain Computer Interfaces (CIBCI)		16:00-18:00 WeB1 16:00-18:00 WeB2 Imperio A Imperio B Deep Learning (DL) 2 Automated Algorithm Design, Configuration and Selection (AADCS)
	13:30-15:30 WeA1 Imperio A Deep Learning (DL) 1		16:00-18:00 WeB1 Imperio A Deep Learning (DL) 2

Thursday December 7, 2023

Twooly 1							
Hack I	Track 2	Track 3	Track 4	Track 5	Track 6	Track 7	Track 8
			09:00-10	09:00-10:00 ThPa			
			Indeper	Independencia			
			Leobardo Morales, Ger	Leobardo Morales, Generative AI Revolution			
			10:00-10:	10:00-10:30 ThC1b			
			Indeper	Independencia			
		Coffee Break/P.	Coffee Break/Panel Session: Artificial Intelligence in Mexico (10: 30 - 11: 30)	Intelligence in Mexico ((10:30-11:30)		
10:30-11:30 ThC1 10	10:30-11:30 ThC2	10:30-11:30 ThC3	10:30-11:30 ThC4	10:30-11:30 ThC5	10:30-11:30 ThC6	10:30-11:30 ThC7	10:30-11:30 ThC8
Imperio A	Imperio B	Imperio C	Constitución A	Constitución B	Constitución C	Colonia	Conquista
Swarm Intelligence In	mage Processing	Deep Learning 1	Learning Algorithms	Deep Learning 2	Automated Algorithm	Decision Making	Data Mining (POP)
(POP)	(POP)	(POP)	(POP)	(POP)	(POP)	(POP)	

Friday December 8, 2023

1 Track 2 Track 3 Track 4 Track 5 Track 6 Track 7 Track 8	09:00-10:00 FrP2c Independencia	Hani Hagras, Type-2 Fuzzy Systems Based True Explainable Artificial Intelligence for Real-World Applications	10:00-10:30 FrC1b	Independencia	Coffee Break 2	10:30-11:30 FrP1a	Independencia	Carlos A Coello Coello Lessons Learned after 25 Vears Designing Multi-Ohiective Evolutionary Algorithms
Track 1								

		13:30-15:30 FrA6 13:30-15:30 FrA7 13:30-15:30 FrA8 Constitución C Colonia Conquista Computational Multicriteria Decision- Evolving and Intelligence and Making (MCDM) Autonomous Learning Cognitive Science Computational Computat	15:30-16:00 FrC2e Room T10 Coffee Break 3	16:00-18:00 FrB6 16:00-18:00 FrB7 16:00-18:00 FrB8 Constitución C	
1 + 11000	12:00-13:30 FrLd Fiestas Lunch 2	13:30-15:30 FrA5 Constitución B Adaptive Dynamic Programming and Reinforcement Learning (ADPRL)		16:00-18:00 FrB5 Constitución B Computational Intelligence for Fault Detection and Isolation (CIFDI)	18:00-20:00 FrDf Salon Angel Farewell Dinner
		13:30-15:30 FrA4 Constitución A Foundations of CI (FOCI)	15:30-16 Roon Coffee	16:00-18:00 FrB4 Constitución A Multi-Agent System Coordination and Optimization (MASCO)	18:00-20 Salon Farewel
		13:30-15:30 FrA3 Imperio C CI in Healthcare and E-Health (CICARE) 3	-	16:00-18:00 FrB3 Imperio C CI in Biometrics and Identity Management (CIBIM)	
		13:30-15:30 FrA2 Imperio B CI in Data Mining (CIDM) 3		16:00-18:00 FrB1 16:00-18:00 FrB2 16:00-18:00 FrB3 Imperio A Imperio B Imperio B Imperio C Intelligent Biomedical Robotic Intelligence in CI in Biometrics and Informationally Informationally Structured Space (CIBIM) (RiiSS)	
		13:30-15:30 FrA1 Imperio A CI in Control and Automation (CICA)		16:00-18:00 FrB1 Imperio A Intelligent Biomedical Data Analysis (IBDA)	

Conference Venue

Sheraton Maria Isabel Hotel

Address: Av. Paseo de la Reforma 325, Cuauhtémoc, 06500 Mexico City, Mexico



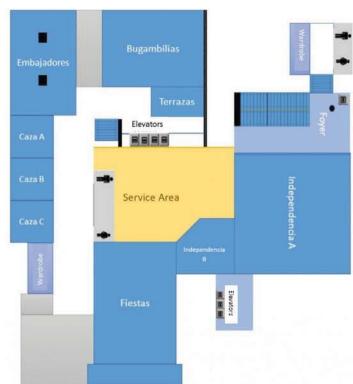
The luxury 5-star Sheraton Maria Isabel Hotel locates in the heart of Mexico City surrounded by the Zona Rosa district, you will be steps from extravagant shopping centers, restaurants, nightlife, monuments of Angel, the city park Bosque de Chapultepec, museums, and historic grounds such as the National Palace, Palacio de Bellas Artes, and Metropolitan Cathedral.

Within the Sheraton Maria Isabel Hotel, enjoy gourmet meals at a selection of restaurants or sip cocktails in the lobby bar. When you need some relaxation, enjoy our heated outdoor pool and fitness center with a sauna, or slip off to your stylish suite featuring thoughtful amenities with gorgeous views of the city and the Sheraton Signature Sleep Experience beds.





3rd floor



Plenary Talks

Intelligent Control System for Low-Carbon Operation of Energy Intensive Equipment Based on End-edge-cloud Collaboration

Tianyou Chai, State Key Laboratory, Northeastern University, China

Process industry in China mainly include raw material industry such as petrochemicals, steel, nonferrous metals, building materials, mining, and energy industry such as electric power. The scale of China's process industry is the largest in the world. It serves as an important basic support industry for China. However, its energy consumption accounts for more than half of China's total energy consumption. Improving energy efficiency is essential for reducing carbon dioxide emission intensity. Therefore, saving industrial electricity has become an important means to realize low-carbon industry. Energy intensive equipment are commonly used in the above-mentioned industries. Due to the comprehensive complexity of energy intensive equipment, it is difficult to use the existing modelling, control and optimization methods to realize its operational optimized control. Therefore, manual operational control methods are adopted in the energy intensive equipment. The manual operational control method is a key reason for the high energy consumption of energy intensive equipment. Realizing the operational optimized control of energy intensive equipment, and achieving energy saving and emission reduction are the keys to its low-carbon operation.

CPS provides new research ideas for realizing low-carbon operational control of energy intensive equipment. Industrial Artificial Intelligence (AI) provides a new technical foundation for realizing low-carbon operational control of energy intensive equipment. With the development of mobile internet represented by 5G, edge computing, cloud computing and cloud platform software, the Industrial Internet has been born. Industrial Internet creates conditions for obtaining industrial big data. The end-edge-cloud collaboration technology of Industrial Internet creates conditions for the realization of big data-driven industrial AI algorithms. The synergy of industrial AI and Industrial Internet creates conditions for realization of intelligent control for low-carbon operation of energy intensive equipment. Based on the analysis of the operational control behavior of operation experts of energy intensive equipment, this talk proposes an intelligent control method for low-carbon operation by combining mechanism analysis with deep learning, control and optimization with prediction. The method makes the energy consumption per ton as small as possible within the target range. It consists of setpoint control, self-optimized tuning and tracking control. An intelligent control system for low-carbon operation is developed by adopting end-edge-cloud collaboration technology of Industrial Internet. The system is successfully applied to the fused magnesium furnace and achieves remarkable results in reducing carbon emissions.



Tianyou Chai received the Ph.D. degree in control theory and engineering in 1985 from Northeastern University, Shenyang, China, where he became a Professor in 1988. He is the founder and Director of the Center of Automation, which became a National Engineering and Technology Research Center and a State Key Laboratory. He is a member of Chinese Academy of Engineering, IFAC Fellow and IEEE Fellow. He has served as director of Department of Information Science of National Natural Science Foundation of China from 2010 to 2018. His current research interests include modeling, control, optimization and integrated automation of complex industrial processes. He has published 322 peer reviewed international journal papers. His paper titled *Hybrid intelligent control for optimal operation of shaft furnace roasting process* was selected as one of three best papers for the Control

Engineering Practice Paper Prize for 2011-2013. He has developed control technologies with applications to various industrial processes. For his contributions, he has won 5 prestigious awards of National Natural Science, National Science and Technology Progress and National Technological Innovation, the 2007 Industry Award for Excellence in Transitional Control Research from IEEE Multiple-conference on Systems and Control, and the 2017 Wook Hyun Kwon Education Award from Asian Control Association.

Women Led Research in Computational Intelligence

Alice E. Smith, Auburn University, USA

This talk will give a current overview of some of the exciting and impactful research endeavors in computational intelligence by women led investigative teams from around the world. The work is taken from the 2022 landmark volume *Women in Computational Intelligence: Key Advances and Perspectives on Emerging Topics*, https://link.springer.com/book/10.1007/978-3-030-79092-9. The 34 authors of this book are nearly all women and represent thirteen countries across five continents. All chapters are authored by IEEE Women in Computational Intelligence members except the first which is a professional biography of computer pioneer Admiral Grace Hopper by Jill S. Tietjen, an esteemed author on women and technology.

The book is structured into four main sections of Intelligence, Learning, Modeling, and Optimization. The primary technical methods include artificial neural networks, evolutionary and swarm computation, and fuzzy logic and systems. The wealth of applications can be seen throughout the nineteen chapters within this volume. These include natural language processing, intelligent tutoring, autonomous systems, digital pathology, intrusion detection, and energy management. The talk will highlight several of these research chapters, explaining the importance and novelty of the work described. A unique part of this book is the biographies of the authors which include information concerning their beginnings and advancement in computational intelligence research along with advice for those considering this field and its possibilities. The talk will also give excerpts from these with the aim to celebrate the contributions of women in CI and to inspire future generations of CI scholars through a lens of diversity and inclusion.



ALICE E. SMITH is a Life Fellow of IEEE and is the Joe W. Forehand/Accenture Distinguished Professor of the Industrial and Systems Engineering Department at Auburn University, where she served as Department Chair from 1999-2011. She also has a joint appointment with the Department of Computer Science and Software Engineering. Dr. Smith's research focus is analysis, modeling, and optimization of complex systems with emphasis on computational intelligence. She holds one U.S. patent and several international patents and has authored more than 200 publications which have garnered over 17,000 citations and an H Index of 52 (Google Scholar). She is the editor of Women in Computational Intelligence: Key Advances and Perspectives on Emerging Topics (https://link.springer.com/book/10.1007/978-3-

030-79092-9) and Women in Industrial and Systems Engineering: Key Advances and Perspectives on Emerging Topics (https://www.springer.com/us/book/9783030118655#aboutBook). Several of her computational intelligence papers are among the most highly cited in their respective journals including the most cited paper of Reliability Engineering & System Safety and the 4th most cited paper of IEEE Transactions on Reliability. Dr. Smith is the Editor in Chief of INFORMS Journal on Computing and an Area Editor of Computers & Operations Research. Dr. Smith has been a principal investigator on over \$10 million of sponsored research with funding by NASA, U.S. Department of Defense, Missile Defense Agency, National Security Agency, NIST, U.S. Department of Transportation, Lockheed Martin, Adtranz (now Bombardier Transportation), the Ben Franklin Technology Center of Western Pennsylvania, and U.S. National Science Foundation, from which she has been awarded 18 distinct grants including a CAREER grant and an ADVANCE Leadership grant. International research collaborations have been sponsored by Germany, Mexico, Japan, Turkey, United Kingdom, The Netherlands, Egypt, South Korea, Iraq, China, Colombia, Chile, Algeria, and the U.S., and by the Institute of International Education. In 2013 she was a Fulbright Senior Scholar at Bilkent University in Ankara, Turkey, in 2016 a Fulbright Specialist at EAFIT in Medellin, Colombia, in 2017 a Senior Fulbright Fellow at Pontifical Catholic

University of Valparaíso, Chile, and in 2020, a Fulbright Specialist at University La Sabana in Bogota, Colombia. Dr. Smith is a fellow of the Institute of Electrical and Electronics Engineers (IEEE), the Institute for Operations Research and Management Science (INFORMS), the Institute of Industrial and Systems Engineers (IISE), and a senior member of the Society of Women Engineers, a member of Tau Beta Pi, and a Registered Professional Engineer. She was elected to serve on the Administrative Committee of the IEEE Computational Intelligence Society from 2013-18 and 2020-24 and served as associate editor for two IEEE journals. She was a keynote speaker at the IEEE World Congress on Computational Intelligence (2018) and will be a keynote speaker at the same conference in 2024. She is a current and past IEEE CIS Distinguished Lecturer.

Generative AI Revolution

Leobardo Morales, IBM, Mexico

How did we get to the point where we find ourselves in generative AI, what are the challenges and how do we take advantage of it in the best way? My background in Business Development and experience as a Product Manager enable me to assist customers with complex solutions. As a consultant, I have collaborated with a diverse range of clients throughout Mexico and Latin America. I previously served as a Servers Brand Manager and currently hold the role of Offering Manager for Hybrid Cloud Integration. Furthermore, I have long been an active ambassador for the IBM Academic Initiative. I derive immense satisfaction from speaking at various industry and research forums. I am deeply passionate about Artificial Intelligence, and I am confident in my ability to catalyze AI development in Mexico.



Leobardo Morales holds the position of Senior Customer Success Manager at IBM Public Cloud for Latin America. His extensive background in Business Development and Product Management equips him with the skills necessary to assist clients in navigating complex solutions. As a seasoned consultant, he has collaborated with a diverse range of clients throughout Mexico and Latin America. Leobardo has also held significant roles within IBM, including serving as the Brand Manager for IBM servers and as the Product Manager for Hybrid Cloud solutions. Leobardo frequently engages as a speaker at various research and

industry forums. He exhibits a profound passion for Artificial Intelligence and actively promotes the adoption of OpenSource and Linux within American companies. He actively participates as an ambassador for IBM's academic initiatives and plays an integral role on the board of the Mexican Society of Artificial Intelligence. Additionally, he co-organizes numerous Artificial Intelligence congresses in Mexico.

Type-2 Fuzzy Systems Based True Explainable Artificial Intelligence for Real-World Applications

Hani Hagras, University of Essex, UK

The recent advances in computing power coupled with the rapid increases in the quantity of available data has led to a resurgence in the theory and applications of Artificial Intelligence (AI). However, the use of complex AI algorithms could result in a lack of transparency to users which is termed as black/opaque box models. Thus, for AI to be trusted and widely used by governments and industries, there is a need for greater transparency through the creation of human friendly explainable AI (XAI) systems. XAI aims to make machines understand the context and environment in which they operate, and over time build underlying explanatory models that allow them to characterize real-world phenomena. The XAI concept provides an explanation of individual decisions, enables understanding of overall strengths and weaknesses, and conveys an understanding of how the system will behave in the future and how to correct the system's mistakes. In this keynote speech, Hani Hagras introduce the concepts of type-2 fuzzy systems based XAI to achieve a significantly positive impact on communities and industries all over the world and will present novel techniques enabling to deliver human friendly XAI systems which could be easily understood, analysed and augmented by humans. This will allow to the wider deployment of AI systems which are trusted in various real world applications



Hani Hagras is a Professor of Artificial Intelligence, Head of the Artificial Intelligence Research Group and and Director of the Computational Intelligence Centre in the University of Essex, UK. He is a Fellow of Institute of Electrical and Electronics Engineers (IEEE), a Fellow of the Institution of Engineering and Technology (IET), Principal Fellow of the UK Higher Education Academy (PFHEA) and Fellow of the Asia-Pacific Artificial Intelligence Association (AAIA). His major research interests are in Explainable Artificial Intelligence, computational intelligence and data science. He has authored more than 500 papers in international journals, conferences and books. He is Among the top 2% of the most-cited scientists in the world (Scopus August 2023). His work has received funding from major research councils and industry. He has also Elven industrial patents in the field of Explainable AI, computational intelligence and intelligent control.

His research has won numerous prestigious international awards where he was awarded by the IEEE Computational Intelligence Society (CIS), the 2013 Outstanding Paper Award in the IEEE Transactions on Fuzzy Systems and also he has won the 2004 Outstanding Paper Award in the IEEE Transactions on Fuzzy Systems. He was also awarded the 2015 and 2017 Global Telecommunications Business award for his joint project with British Telecom. In 2016, he was elected as Distinguished Lecturer by the IEEE Computational Intelligence Society. His work has also won best paper awards in several conferences including the 2014 and 2006 IEEE International Conference on Fuzzy Systems and the 2012 UK Workshop on Computational Intelligence.

He is an Associate Editor of the IEEE Transactions on Fuzzy Systems, IEEE Transactions on Artificial Intelligence, Knowledge Based Systems, Discover AI and others. He was also the General Co-Chair of numerous major IEEE conferences where he was General Co-Chair of FUZZ-IEEE 2007 and Programme Chair of FUZZ-IEEE 2017 and FUZZ-IEEE 2021. He served in various committees in IEEE CIS including the Conference committee, the Fellows committee, the Senior members committee, the Fuzzy systems technical committee and others.

Lessons Learned after 25 Years Designing Multi-Objective Evolutionary Algorithms

Carlos A. Coello Coello, CINVESTAV-IPN, Mexico

In this talk, I will describe my origins as a researcher working in a field which is now known as "evolutionary multi-objective optimization" (EMOO), 25 years ago. Then, I'll describe the inception of my research group at Cinvestav (in Mexico City, Mexico) in 2001, including some of the issues (good and bad) that researchers had to face at that time in Mexico. I will also mention some of the main differences between the way in which research on EMOO was conducted 25 years ago with respect to current research practices including, among other things, topics and methodological issues. In the last part of the talk, I'll briefly mention some of the pioneering contributions developed at my research group, but not without mentioning some of our biggest failures, too. The discussion will include some of the research topics in which I am currently interested. I'll finalize the talk with my personal (and a bit critical) view of the way in which research on EMOO is being conducted today, including some advice for young researchers working in this exciting field.



Carlos Artemio Coello Coello received a PhD in Computer Science from Tulane University (USA) in 1996. His research has mainly focused on the design of new multi-objective optimization algorithms based on bio-inspired metaheuristics (e.g., evolutionary algorithms), which is an area in which he has made pioneering contributions. He currently has more than **570 publications**, including more than 200 journal papers and 50 book chapters. He has published a monographic book and has edited 3 more books with publishers such as *World Scientific* and *Springer*. He has supervised 22 PhD theses (including 3 in Argentina) and 48 Masters thesis (including one in France). Several of the PhD theses that he has supervised,

have received awards in national competitions. He has also received (with his students) several "best paper awards" at different international conferences. He is also the only Latin American who has been awarded (twice) the "outstanding paper award" of the *IEEE Transactions on Evolutionary Computation*. His publications currently report 68,359 citations in *Google Scholar*. According to *Scopus*, Dr. Coello has 28,948 citations, excluding self-citations and citations from all his co-authors. His h-index is 102, according to *Google Scholar*, 73 according to *Scopus* and 67 according to Clarivate Analytics (known before as *ISI Web of Science*). In the *ShanghaiRanking's Global Ranking of Academic Subjects 2016* developed by *Elsevier*, he appears as one of the 300 most highly cited scientists in the world in "Computer Science", occupying the first place in Mexico.

He has received several awards, including the National Research Award (in 2007) from the Mexican Academy of Science (in the area of exact sciences), the 2009 Medal to the Scientific Merit from Mexico City's congress, the Ciudad Capital: Heberto Castillo 2011 Award for scientists under the age of 45, in Basic Science, the 2012 Scopus Award (Mexico's edition) for being the most highly cited scientist in engineering in the 5 years previous to the award and the 2012 National Medal of Science in Physics, Mathematics and Natural Sciences from Mexico's presidency (this is the most important award that a scientist can receive in Mexico). He also received the Luis Elizondo Award from the Tecnológico de Monterrey in 2019. Additionally, he is the recipient of the 2013 IEEE Kiyo Tomiyasu Award, "for pioneering contributions to single- and multiobjective optimization techniques using bioinspired metaheuristics", of the 2016 The World Academy of Sciences (TWAS) Award in "Engineering Sciences", and of the 2021 IEEE Computational Intelligence Society Evolutionary Computation Pioneer Award. Since January 2011, he is an IEEE Fellow. He is currently the Editor-in-Chief of the IEEE Transactions on Evolutionary Computation. He is Full Professor with distinction (Investigador Cinvestav 3F) at the Computer Science Department of CINVESTAV-IPN in Mexico City, Mexico

Tutorials and Workshops

T1: Evolutionary Multi-objective Feature Selection for Machine Learning

We are now in the era of big data, where vast amounts of high-dimensional data become ubiquitous in a variety of domains, such as social media, healthcare, and cybersecurity. When machine learning algorithms are applied to such high-dimensional data, they suffer from the curse of dimensionality, where the data becomes very sparse. Furthermore, the high-dimensional data might contain redundant and/or irrelevant features that blur useful information from relevant features.

Feature selection can address the above issues by selecting a small subset of relevant features which can improve the performance of machine learning methods, reduce the dimensionality of data, reduce space storage, improve computational efficiency, and facilitate data visualization and understanding. Feature selection plays a critical role in data mining, computational intelligence, and machine learning. Compared with other dimensionality reduction techniques, such as feature construction and feature extraction, feature selection can preserve the original semantics of the data, making it an effective method with interpretability and facilitating human understanding of the results.

Feature selection is inherently a multi-objective problem. The two main goals of feature selection are to maximize the classification performance and minimize the number of selected features. However, these two objectives are usually in conflict. For example, removing relevant and/or complementary features can deteriorate classification performance. There is no single best feature subset, but rather a set of non-dominated subsets showing trade-offs between the two objectives. Optimizing the two objectives can more accurately reflect the decision-making reality of feature selection problems in practical applications.

In this tutorial, the essential components in multi-objective feature selection such as solution representation, evaluation function (wrapper/filter/embedded), population initialization, offspring generation, environmental selection, and decision making will be discussed extensively, and the strength and weakness of each category of methods will be summarized. In addition, this tutorial will introduce the applications of multi-objective feature selection in various fields, such as image and signal processing, biological and biomedical tasks, business and financial problems, network/web service, and engineering problems, and illustrate the necessity of multi-objective feature selection for these fields. While state-of-the-art techniques have made significant

progress in solving multi-objective feature selection, this tutorial will also identify and summarize the major issues and challenges when using evolutionary multi-objective optimization methods for multi-objective feature selection, and suggest some possible future research directions.

Dr. Ruwang Jiao is currently a postdoctoral research fellow in artificial intelligence with the School of Engineering and Computer Science at Victoria University of Wellington (VUW). His research focuses mainly on evolutionary constrained optimization, Bayesian optimization, multi-objective machine learning, feature selection, and evolutionary antenna design. He has published over 20 papers in fully refereed journals and conferences such as *IEEE Transactions on Evolutionary Computation*, *Evolutionary Computation (MIT Press)*, *IEEE Transactions on Cybernetics*, *IEEE Transactions on Antennas and Propagation*, and *Information Sciences*.

Dr. Bing Xue is currently a Professor of artificial intelligence and the Deputy Head of the School of Engineering and Computer Science, VUW. She has more than 300 articles published in fully refereed international journals and conferences. Her research focuses mainly on evolutionary computation, machine learning, classification,

symbolic regression, feature selection, evolving deep NNs, image analysis, transfer learning, and multi-objective machine learning.

Dr. Xue is currently the Chair of the IEEE Computational Intelligence Society (CIS) Evolutionary Computation Technical Committee and IEEE CIS Task Force on Evolutionary Deep Learning and Applications, and an Editor of IEEE CIS Newsletter. She has also served as an Associate Editor for several international journals, such as IEEE Computational Intelligence Magazine, IEEE Transactions on Evolutionary Computation, and ACM Transactions on Evolutionary Learning and Optimization. She is a fellow of Engineering New Zealand.

Dr. Mengjie Zhang is currently a Professor of computer science, the Head of the Evolutionary Computation Research Group, and the Associate Dean (Research and Innovation) of the Faculty of Engineering, Victoria University of Wellington, Wellington, New Zealand. He has published more than 700 research articles in refereed international journals and conferences. His current research interests include machine learning, evolutionary computation, genetic programming, image analysis, multiobjective decision-making, feature selection and reduction, scheduling and combinatorial optimization, and evolutionary deep learning and transfer learning.

Prof. Zhang is a fellow of IEEE, a fellow of the Royal Society of New Zealand, a fellow of Engineering New Zealand, and an IEEE Distinguished Lecturer. He was the Chair of the IEEE Computational Intelligence Society (CIS) Intelligent Systems and Applications Technical Committee, the IEEE CIS Emergent Technologies Technical Committee, and the IEEE CIS Evolutionary Computation Technical Committee. He is currently the Chair of the IEEE CIS PubsCom Strategic Planning Committee and the IEEE CIS Outstanding Ph.D. Dissertation Award Committee, and the Founding Chair of the IEEE Computational Intelligence Chapter in New Zealand.

T2: A Tutorial on Evolutionary Bilevel Optimization_ Concepts, Algorithms, and Applications

Bilevel optimization is a challenging problem that arises in various fields, requiring solving an optimization problem with a nested optimization task. This tutorial aims to provide a comprehensive overview of evolutionary bilevel optimization, focusing on concepts, algorithms, and applications. The tutorial begins by introducing important concepts on evolutionary optimization. Subsequently, the fundamental concepts and mathematical formulation of bilevel optimization is given. After that, it delves into the principles and methodologies of evolutionary bilevel algorithms, highlighting their suitability for tackling bilevel optimization problems but also their limitations. Various evolutionary bilevel algorithms are discussed, along with their adaptations and enhancements for bilevel optimization. Moreover, the tutorial explores diverse real-world applications of evolutionary bilevel optimization across domains such as engineering, economics, transportation, and machine learning. Case studies and practical examples illustrate the efficacy of evolutionary approaches in addressing complex bilevel decision-making scenarios.

Dr. Alejandro Rodr'iguez-Molina received the B.S. degree in computer systems engineering from the Escuela Superior de C'omputo (ESCOM) of the Instituto Polit'ecnico Nacional (IPN) in 2013, the M.Sc. in computer science from the Centro de Investigaci'on y de Estudios Avanzados (CINVESTAV) of the IPN in 2015, and the Ph.D. in robotics and mechatronic systems engineering at the Centro de Innovacio'n y Desarrollo Tecnol'ogico en C'omputo (CIDETEC) of the IPN in 2019.

He is currently a full-time professor at the research and postgraduate division in the Instituto Tecnol ogico de Tlalnepantla (ITTLA) of the Tecnolo gico Nacional de M exico (TecNM). His research interests are the design and implementation of AI techniques and bio-inspired metaheuristics for optimization and their application to engineering problems.

T3: Real-World Robot Evolution

The main goal of the tutorial is to outline the WHAT, the WHY and the HOW of real-world robot evolution. It will review the current state of the art and the main research directions to advance that in the short, mid and long term. As for the WHAT, it is about having a system of robots that can evolve, not inside a simulator, but in the physical realm. By the definition, this means selection, reproduction and heredity working in populations of real robots. The similarities and differences between natural and artificial evolution will be discussed, based on [1]. Based on [2], I will briefly summarise the key concepts of EC and describe the main components of Evolutionary Algorithms (EA). This part will end with elaborating on the differences between artificial evolution in software and artificial evolution in hardware. As for the WHY, I will discuss two principal motivations, one with engineering and one with science as the main angle. I will also explain that robot evolution can be used in two modi. First, as an off-line optimiser/designer that stops when a good solution is achieved. After this, many copies of a good solution can be produced and deployed. Second, in an on-line mode, similar to natural evolution of living organisms that never stops. This version is not about optimisation, but about adaptation, offering the ability to adjust the robots if the circumstances change. The main body of the tutorial is about the HOW with technical detailes and lots of examples, borrowing from "all" literature about the state of the art, including but not limited to [3]. Special attention is paid to the morphology-controller (body-brain) dichotomy, the role of individual (lifetime) learning after birth and the reality gap or sim2real gap. In this part I will distinguish:

- Case 1: fixed morphologies, evolvable controllers (huge majority of existing work)
- Case 2: evolvable morphologies, evolvable controllers (research line starting with Sims)
- Case 3: Case 2 with additional lifetime learning, both the Darwinian and Lamarckian variants
- Case 4: Case 3, but with real robots.
- [1] A.E. Eiben and J. Smith, From evolutionary computation to the evolution of things, Nature, 521:476-482, doi:10.1038/nature14544, 2015.
- [2] A.E. Eiben and J. Smith, Introduction to Evolutionary Computing, 2nd edition, Springer, 2015, doi:10.1007/978-3-662-44874-8
- [3] S. Doncieux and N. Bredeche and J.-B. Mouret and A.E. Eiben, Evolutionary robotics: what, why, and where to, Frontiers in Robotics and AI, 2(4), doi:10.3389/frobt.2015.00004, 2015

Dr. A.E. Eiben is a professor at Vrije Universiteit Amsterdam and University of York. Dr. Eiben is one of the world leading researchers in Evolutionary Computing who literally wrote the book (Eiben-Smith, Introduction to Evolutionary Computing, Springer, 2003, 2007, 2015) and in Evolutionary Robotics with papers in Nature and Science.

T4: Adversarial Attacks, GAN, TrojAI, and Defense Mechanisms

Adversarial attacks have become a significant concern in the field of deep learning, posing threats to the security and reliability of AI systems. This comprehensive 2-hour tutorial delves into the realms of adversarial attacks, Generative Adversarial Networks (GANs), Trojan AI (TrojAI), and defense mechanisms. The tutorial begins with an introduction to adversarial attacks, highlighting the vulnerabilities of deep learning models and their real-world implications. Various types of adversarial attacks, including gradient-based attacks, generative attacks, and poisoning attacks, are explored through case studies and examples. Next, the tutorial delves into the world of GANs, elucidating their architecture, training process, and their applications in generating adversarial examples. The vulnerabilities and weaknesses of GANs are examined to provide a holistic understanding of their security implications. Trojan AI, another emerging threat, is then examined in detail. The tutorial uncovers the

methodologies and techniques behind Trojan attacks on AI systems, highlighting the challenges in detection and mitigation, and the potential risks associated with these attacks. The tutorial also emphasizes defense mechanisms against adversarial attacks, GANs, and TrojAI. Adversarial training, robust optimization techniques, and specific defense strategies are explored. Detection and mitigation methods for GAN-based attacks, as well as Trojan detection and prevention mechanisms, are discussed in-depth. We will also discuss Generative AI advancements like GPTs, Bard, diffusion models, and LLMs offer great potential but also pose adversarial risks. Advanced defense mechanisms and ongoing research are also addressed. The tutorial concludes with a focus on evaluating and assessing model security, including metrics for evaluating model robustness, security considerations in model deployment, and future directions in this rapidly evolving field. Through hands-on demonstrations, interactive sessions, and participant engagement, this tutorial equips attendees with a comprehensive understanding of adversarial attacks, GANs, TrojAI, and defense mechanisms. Participants will gain valuable insights into the challenges, techniques, and emerging trends in securing deep learning models against adversarial threats. We will also present details of the federated learning and its applications in several domains and the recent advances in the area of understanding threats in the federated learning environments and possible remedy available.

Dr. Dipankar Dasgupta is a Professor of Computer Science at the University of Memphis; he completed his Ph.D in 1994 in the area of nature-inspired algorithms for Search and Optimization. His research interests are broadly in the area of scientific computing, design, and development of intelligent solutions inspired by biological processes. His book, "Immunological Computation", is a graduate level textbook, was published by CRC press in 2009. He also edited two books: one on Evolutionary Algorithms in Engineering Applications (1996) and the other is entitled "Artificial Immune Systems and Their Applications", published by Springer-Verlag in 2008. His latest textbook on Advances in User Authentication is published by Springer-Verlag, 2016. Dr. Dasgupta has more than 300 publications with 19000+ citations and having h-index of 62 as per Google scholar. He received four Best Paper Awards at international conferences (1996, 2006, 2009, and 2012) and two Best Runner-Up Paper Awards (2013 and 2014). Among other awards, he is the recipient of 2012 Willard R. Sparks Eminent Faculty Award, the highest distinction and most prestigious honor given to a faculty member by the University of Memphis. Prof. Dasgupta received the 2014 ACM SIGEVO Impact Award, an ACM Distinguished Speaker from 2015-2020, and currently IEEE Distinguished Lecturer until 2024.

Dr. Arunava Rov is currently a Research Assistant Professor of Computer Science at The University of Memphis. His area of interests includes Machine Learning, Security, Statistical Modeling, and Reliability. Dr. Roy obtained his Ph.D. from the Dept. of Applied Mathematics, IIT ISM Dhanbad, India in 2015. Dr. Roy then continued his research in the development of the Machine Learning and Statistical methods for mitigating cyberattacks, Big Data and Artificial Intelligence in the Dept. of Computer Science at The University of Memphis, USA as a Post- Doctoral Research fellow until 2016. Then joined the National University of Singapore (NUS) as a Research Fellow in the Dept. of Industrial and Systems Engineering in 2016 and later, he joined the Singapore University of Technology and Design (SUTD) in 2017 as a Post-Doctoral Fellow in Computational Statistics for mitigating cyber issues in the CorpLab. Dr. Roy worked as a Research Assistant Professor of Computer Science in the Dept. of Computer Science & Engineering at the SRM Institute of Science and Technology (SRM IST), Chennai, India in 2017, where Artificial Intelligence, Machine Learning, and Cyber Security were his subjects of interests. He then worked in the Research Faculty of Computer and Information Science (CIS) at the Universiti Technologi Petronas (UTP) Malaysia and the School of IT at Monash University between 2019-2021. Currently, he is a Research Assistant Prof. of Computer Science in the University of Memphis, TN, USA. Dr. Roy has several publications in various O1 journals including IEEE, Elsevier, Springer, Taylor & Francis, and Wiley. He also co-authored a book entitled "Advances in User Authentication" published by Springer USA in 2017. He has four US Patents, one of which is recently licensed by a Silicon Valley security startup called i2chain. He also filed another US patent on 2020 jointly with The University of Memphis, TN, USA. Presently, he is authoring a book entitled "Emerging Trends Techniques in Reliability Engineering & Security", which will be published by Springer-Nature, Switzerland.

Dr Kishor Datta Gupta: Kishor Datta Gupta is an assistant professor of computer and information Science at Clark Atlanta University, GA. He completed his Ph.D. in computer science from the University of Memphis in 2021. He is presently researching Autonomous system vulnerabilities. His research interest includes evolutionary computation, Adversarial machine learning, algorithm bias. He is co-inventor of adversarial defense system patent.

T5: Computational Intelligence: Applications in system identification, control, and optimization

The objective of this tutorial is to expose researchers from the academia and industry to field of computational intelligence (CI) and learning methods and their applications for solving numerous engineering problems including system identification/modeling, nonlinear control, and optimization in uncertain and dynamic environments. This four-hour tutorial will focus on the following major topics, starting with introduction to the field of computational intelligence, the different CI paradigms, and their applications in system identification, control and optimization. Topics to be covered will include:

- Computational Intelligence Neural networks, fuzzy systems, evolutionary computations, differential evolution, swarm intelligence, artificial immune systems (AIS).
- Heuristic Optimization Methods Mean variance optimization, mapping functions.
- Dynamic Optimization using learning methods.
- Nonlinear System identification Using neural networks and particle swarm optimization.
- Intelligent Control Adaptive and optimal using neural networks, fuzzy control and AIS.
- Applications:
 - Smart Grid Definition(s) and objectives, renewable energy sources, wide area monitoring and control, generator maintenance scheduling, voltage predictions, reactive power and voltage control, microgrids, cybersecurity, forecasting of renewable energy sources such solar PV power and wind power.
 - Electric vehicles scheduling, energy and power management, vehicle-to-grid technology, and SmartParks.

This tutorial focuses on the dominant paradigms of CI. Concepts, models, algorithms and tools for development of fuzzy logic, artificial neural networks, evolutionary computing, swarm intelligence and artificial immune systems and their applications will be covered. Implementations of these algorithms will be demonstrated, and a comparative performance analysis will be carried out. Some reported applications of these algorithms will be discussed in detail with an emphasis on their pros and cons. Theoretical background, mathematical formalism, implementation considerations, case studies on applications of each of these paradigms will be provided.

Nonlinear modeling and control have been proposed using intelligent techniques such as neural networks, fuzzy, reinforcement learning and many others using inverse models, direct/indirect adaptive, or cloning a linear controller. There are merits for each approach adopted. There is a wide gap between applications of these methods in real time and in simulation. Issues such as stability, processor speeds, learning time, types of training algorithms etc. arise when it comes to real-time implementations.

Static and dynamic optimizations using CI methods will be covered with emphasis on evolutionary computation and swarm intelligence.

Adaptive Critic designs are neural networks capable of optimization over time under conditions of noise and uncertainty. The optimization technique is based on a combination of the concept of reinforcement learning and approximate dynamic programming. The Adaptive Critic method determines an optimal control law for a system by successively adapting two neural networks, an *Action* network (which dispenses the control signals) and

a *Critic* network (which 'learns' the desired performance index for some function associated with the performance index).

The primary aim of this tutorial is to provide engineers/researchers from industry/academia, new to the field of computational intelligence and learning methods with the fundamentals required to benefit from and contribute to the rapidly growing field of intelligent systems applications in uncertain and dynamic environments.

Dr. G. Kumar Venayagamoorthy is the Duke Energy Distinguished Professor of Power Engineering and Professor of Electrical and Computer Engineering at Clemson University since January 2012. Prior to that, he was a Professor of Electrical and Computer Engineering at the Missouri University of Science and Technology (Missouri S&T), Rolla, USA where he was from 2002 to 2011. Dr. Venayagamoorthy is the Founder and Director of the Real-Time Power and Intelligent Systems Laboratory at Missouri S&T and Clemson University. Dr. Venayagamoorthy received his PhD and MScEng degrees in Electrical Engineering from the University of Natal, Durban, South Africa. He received his BEng degree with a First-Class Honors in Electrical and Electronics Engineering from Abubakar Tafawa Balewa University, Bauchi, Nigeria. He holds an MBA degree in Entrepreneurship and Innovation from Clemson University, USA.

Dr. Venayagamoorthy's research interests are in the development and innovation of smart grid and artificial intelligence technologies. Dr. Venayagamoorthy is an inventor of technologies for scalable computational intelligence for complex systems and dynamic stochastic optimal power flow. He has published over 550 refereed technical articles which are cited over 23,000 times with a *h*-index of 70 and i10-index of > 300. Dr. Venayagamoorthy has given over 500 invited technical presentations including keynotes and plenaries in over 40 countries to date. Dr. Venayagamoorthy is the Chair and Founder of the IEEE PES Working Group on Intelligent Control Systems and IEEE Computational Intelligence Society (CIS) Task Force on Smart Grid. He has served/serves as Editor/Associate Editor/Guest Editor of several IEEE Transactions and Elsevier Journals. He is the Editor for the IEEE Press Series on Power and Energy Systems. Dr. Venayagamoorthy is a Fellow of the IEEE, IET (UK), the South African Institute of Electrical Engineers (SAIEE) and Asia-Pacific Artificial Intelligence Association (AAIA), and a Senior Member of the International Neural Network Society (INNS). He is an IEEE CIS and IES Distinguished Lecturer and a Member of the Board of Governors and Vice-President for Industry Relations of the INNS.

W1: Trustworthy AI through Model risk Management

The workshop will focus on model risk management (MRM) for trustworthy AI which is an open and emerging area of research in data science, mathematics, and statistics. In particular, development of AI/ML models without understanding the underlying risk and uncertainty, particularly where pathological bias exists, can be detrimental to our society. As more and more complex and critical systems decision making relies on ML for applications ranging from financial to biological to defense. It is crucial to develop rigorous scientific techniques for decision making under risk and uncertainty using ML. The workshop will introduce the new center established at UNC Charlotte called TAIM^2 and invite speakers to provide overview of the current state as well as help identify future directions of the emerging area of identification and management of risks when adopting AI.

Speakers:

Taufiquar Khan, University of North Carolina at Charlotte Jake Lee, University of North Carolina at Charlotte Andrew Pangia, University of North Carolina at Charlotte Michael Pokojovy, Old Dominion University Yuekai Sun, University of Michigan **Dr. Taufiquar Khan** is the PI for the research Center for TAIMing AI and Affiliate of the School of Data Science at the University of North Carolina at Charlotte (UNC Charlotte). He is currently a Professor and the Chair of the Department of Mathematics and Statistics. He was a Professor and an Associate Director of Graduate Studies of the School of Mathematical and Statistical Sciences, Clemson University, Clemson, SC, USA, before joining UNC Charlotte in 2020. He is a recipient of the Humboldt Fellowship from Germany. His research interests include machine learning, applied analysis, mathematical modeling, simulation, and coefficient inverse problems involving ordinary and partial differential equations.

Dr. Yuekai Sun is an associate professor of statistics at the University of Michigan. His research leverages statistical science to make AI more safe and reliable in the real world. Some topics of recent interest include AI alignment & safety, algorithmic fairness, learning under distribution shifts. Before coming to Michigan, Yuekai obtained his PhD in computational mathematics from Stanford University, where he worked with Michael Saunders and Jonathan Taylor, and his BA (also in computational math) from Rice University.

Dr. Jake Lee is an assistant professor of the Department of Computer Science and School of Data Science at the University of North Carolina at Charlotte. He received a PhD from Colorado State University in 2017. He is a Colead of the research Center for TAIMing AI and codirecting the Charlotte Machine Learning Lab (CharMLab). His research interests are in the knowledge acquisition and transfer for AI (reinforcement learning) agents, human-AI interactions, and trustworthy AI without sacrificing the efficiency of learning.

Dr. Michael Pokojovy is an Associate Professor of Data Science and School of Data Science Statistics Fellow at Old Dominion University, Norfolk, VA. He holds PhD and Dipl.-Math. degrees in Mathematical Sciences (with minor in Computer Science), both from the University of Konstanz, Germany. His research interests include Statistical & Machine Learning, Big Data Analytics, Scientific Computing, etc. In addition to numerous theoretical and methodological developments, he has a track record of applied and collaborative research in statistical process control, quantitative finance, engineering, biomedical sciences, rational mechanics, etc. He has authored/co-authored 40+ publications in various professional outlets and secured 10+ grants from NSF, DoEd, DHHS, DFG, etc.

Dr. Andrew Pangia is the inaugural industrial postdoc at the Center for TAIMing AI at UNC Charlotte. He received his PhD from the School of Mathematical Sciences in 2023. His research interest is in multi-criteria optimization and machine learning with applications to model risk management.

W2: Computational Intelligence Techniques for Solving Equity, Diversity, and Inclusivity Problem

In recent years, government organizations, universities, granting agencies, and industries have been committed to addressing equity, diversity and inclusivity (EDI) in their policies and strategies. Although this is the first step in promoting awareness of EDI issues, the research in this field is still limited. The focus of this workshop, therefore, is to explore *research* questions in EDI and their solutions through computational intelligence techniques, namely, evolutionary computation, neural networks, fuzzy logic and probabilistic modelling. The workshop aims to create a forum to discuss: (i) how to design algorithmic and data-driven approaches to detect EDI parameters such as bias and fairness in models and data using computational intelligence; (ii) how to develop computational intelligence system tools to study EDI parameters; (iii) what metrics and evaluation criteria are required to measure and assess the computational intelligence system; (iv) how to use social media dialogues and large language models to identify the general well-being of equity deserving groups, amongst others.

Topics of Interest with respect to computational intelligence research in EDI

Meta-heuristic Techniques Probabilistic Models Evolutionary Computation Fuzzy Logic Techniques Agent Based Techniques Transfer Learning Automated Design

Neural Networks and Deep Learning Explainable AI

Responsible AI

Data Science

Multi objective optimization

EDI Applications

EDI Metrics

EDI Performance Measurements

Nelishia Pillay

Professor

SARChI Chair in Artificial Intelligence Multichoice Joint Chair in Machine Learning Department of Computer Science University of Pretoria

Hillcrest, Pretoria

Parimala Thulasiraman

Professor

Department of Computer Science University of Manitoba

Winnipeg, MB, Canada

W3: Quantum Machine Learning

The objective of this workshop is to present the fundamental ideas, concepts and elements used in quantum machine learning through several examples executed in the Qiskit environment based on Python. Among those examples, the participants will study the quantum implementation of supervised machine learning algorithms oriented for regression and classification.

Quantum computing and quantum information theory are currently two research areas of great interest in the international academic community of electronic engineering, computer science, telecommunications and other related fields. On the other hand, quantum machine learning (QML) explores the interplay of ideas from quantum computing and machine learning, such that QML extends the set of hardware available for machine learning, through a new type of computing device based on quantum mechanics.

Given the above, this workshop offers a basic understanding of QML, first introducing quantum phenomenology applied to computing, through concepts such as the "qubit", superposition and quantum entanglement. Subsequently, the Parameterized Quantum Circuit (PQC) will be studied in order to establish the necessary bases to implement various models of Quantum Neural Networks defined in the IBM-Qiskit environment for classification and regression tasks.

Dr. Gustavo Patino is an Electronic Engineer from the University of Antioquia in Colombia, with a Master and a PhD from the University of São Paulo in Brazil, where he lived for more than 8 years between 2003 and 2012. He is currently Associate Professor at the University of Antioquia in Medellín (Colombia), carrying out teaching activities in Quantum Computing and Real Time Systems. Also, there he develops research activities in modeling and performance analysis of quantum algorithms and embedded systems. His most recent research project deals with the modeling and intelligent management of vehicular traffic for the control of air quality in the city of Medellín (Colombia) based on reinforcement learning techniques and taking into account climate and mobility variables.

Panel Session

Artificial Intelligence in Mexico: Opportunities and Challenges

• Thursday, December 7, 2023

• Venue: Duque

• Session Time: 10:30 – 11:30

Artificial and computational intelligence have achieved huge success over the past years in theory and applications, which has also created unprecedented social and economic impacts. This panel aims to discuss the opportunities and challenges in the field in Mexico, and efforts that need to be made to ensure a healthy and sustainable growth in Mexico.

Panel Chair: Hiram Calvo, CIC-IPN, Mexico

Panellists:

• Leobardo Morales, IBM, Mexico

• Government officer 1, TBD • Government officer 2, TBD

• Government officer 3, TBD

• Government officer 4, TBD

Student Activities

PhD thesis session

• Wednesday, December 6, 2023

• Chair: Miguel González, Tecnológico de Monterrey, Mexico

• Venue: Duque

• Session Time: 14:30 -- 17:00. 15:30 - 16:00: coffee break

We invite participation by students at any phase in the dissertation process, including those beginning the process, those with more developed theoretical frameworks and preliminary findings, and those in the final stages of writing.

The session provides an informal setting for students to discuss their ideas with faculty and students from a variety of disciplines. Participants may find it helpful to receive feedback, and as a way to refine ideas, get suggestions for measurement and analysis, and simply talk through your dissertation.

Organised by the Sociedad Mexicana de Inteligencia Artificial (SMIA).

IEEE CIS Mexico Chapters

• Friday, December 8, 2023

• Chair: Bella Martinez, UPIITA-IPN, Mexico

• Venue: Duque

• Session Time: 17:00 – 1800

Organized by the IEEE CIS Student Chapter Region 9

- IEEE UPIITA
- IEEE CIC
- IEEE Monterrey

Symposia and Chairs

1. Automated Algorithm Design, Configuration and Selection (AADCS)

Nelishia Pillay, University of Pretoria Rong Qu, University of Nottingham

2. Adaptive Dynamic Programming and Reinforcement Learning (ADPRL)

Zhen Ni, Florida Atlantic University Jennie Si, Arizona State University Chaoxu Mu, Tianjin University

3. CI Applications in Smart Grid (CIASG)

Dipti Srinivasan, Nanyang Technological University Naran Pindoriya, Indian Institute of Technology Anupam Trivedi, National University of Singapore Kumar Venayagamoorthy, Clemson University Fernando Lezama Cruzvillasante, Polytechnic of Porto

4. CI for Brain Computer Interfaces (CIBCI)

Yu-Kai Wang, University of Technology Sydney Fani Deligianni, University of Glasgow Chun-Shu Wei, National Yang Ming Chiao Tung University Gang Li, University of Glasgow

5. CI in Biometrics and Identity Management (**CIBIM**) Svetlana Yanushkevich, University of Calgary, Canada

Masood Khan, Curtin University, Australia Ajita Rattani, Wichita State University, USA

6. CI in Big Data (**CIBD**)

Junping Du, Beijing University of Posts and Telecommunications Handing Wang, Xidian University Yaochu Jin, Bielefeld University Spencer Thomas, NPL, UK

7. CI in Control and Automation (**CICA**)

Daoyi Dong, UNSW Canberra Xiaojun Zeng, The University of Manchester

8. CI in Healthcare and E-health (**CICARE**)

Amir Hussain, Edinburgh Napier University, UK Aziz Sheikh, University of Edinburgh, UK Mufti Mahmud, Nottingham Trent University, UK

9. CI in Cyber Security (CICS)

Dipankar Dasgupta, The University of Memphis, USA Kaushik Roy, North Carolina A&T, USA Kishor Datta Gupta, Clark Atlanta University, USA

10. CI in Data Mining (CIDM)

Zhen Ni, Florida Atlantic University

11. CI in Dynamic and Uncertain Environments (CIDUE)

Michalis Mavrovouniotis, University of Cyprus, Cyprus Changhe Li, China University of Geosciences, China Shengxiang Yang, De Montfort University, UK

12. CI and Ensemble Learning (CIEL)

P. N. Suganthan, Nanyang Technological University, Singapore Xin Yao, University of Birmingham, UK

13. CI for Engineering Solutions (CIES)

Michael Beer, Leibniz University Hannover, Germany Vladik Kreinovich, University of Texas at El Paso, USA Rudolf Kruse, Otto-von-Guericke University, Germany

14. CI for Financial Engineering and Economics (CIFEr)

Ruppa K. Thulasiram, University of Manitoba, Canada Biliana Alexandrova-Kabadjova, Banco de México, Mexico

15. CI for Human-like Intelligence (CIHLI)

Jacek Mańdziuk, Warsaw University of Technology, Poland Włodzisław Duch, Nicolaus Copernicus University, Poland Marcin Woźniak, Silesian University of Technology, Poland

16. CI in IoT and Smart Cities (CIIoT)

Amir H. Gandomi, University of Technology Sydney, Australia Mahmoud Daneshmand, Stevens Institute of Technology, USA Huansheng Ning, University of Science and Technology Beijing, China Mohammad S. Khan, East Tennessee State University, USA Honggang Wang, University of Massachusetts Dartmouth, USA Chonggang Wang, InterDigital, USA

17. CI for Industrial Process (CIIP)

Wen Yu, CINVESTAV-IPN, Mexico Jinliang Ding, Northeastern University, China

18. CI for Multimedia Signal and Vision Processing (CIMSIVP)

Pablo Mesejo, University of Granada, Spain Harith Al-Sahaf, Victoria University of Wellington, New Zealand Ying Bi, Victoria University of Wellington, New Zealand Mengjie Zhang, Victoria University of Wellington, New Zealand

19. CI in Remote Sensing (**CIRS**)

Jayavelu Senthilnath, Institute for Infocomm Research (I2R), A*STAR, Singapore Jon Atli Benediktsson, University of Iceland, Iceland

20. CI for Security and Defense Applications (CISDA)

Rami Abielmona, Larus Technologies, Canada Robert Bolia, Defence Science & Technology Group, Australia Robert Hunjet, Defence Science & Technology Group, Australia

21. CI in Vehicles and Transportation Systems (CIVTS)

Yi Lu Murphey, University of Michigan-Dearborn, USA Xian Wei, Chinese Academy of Sciences Justin Dauwels, Nanyang Technological University

22. Deep Learning (**DL**)

Alessandro Sperduti, University of Padova, Italy Plamen Angelov, Lancaster University, UK Jose C. Principe, University of Florida, USA

23. Evolving and Autonomous Learning Systems (EALS)

Plamen Angelov, Lancaster University, UK Nikola Kasabov, Auckland University of Technology, New Zealand

24. Evolutionary Neural Architecture Search and Applications (**ENASA**) Yanan Sun, Sichuan University, China

25. Evolutionary Scheduling and Combinatorial Optimization (ESCO)

Yi Mei, Victoria University of Wellington, New Zealand Nelishia Pillay, University of Pretoria, South Africa Liang Gao, Huazhong University of Science and Technology, China Rong Qu, University of Nottingham, UK

26. Ethical, Social and Legal Implications of Artificial Intelligence (**ETHAI**) Keeley Crocket, Manchester Metropolitan University, United Kingdom Matt Garratt, UNSW Canberra, Australia

27. CI in Feature Analysis, Selection and Learning in Image and Pattern Recognition (FASLIP)

Mengjie Zhang, Victoria University of Wellington, New Zealand Bing Xue, Victoria University of Wellington, New Zealand Hisao Ishibuchi, Southern University of Science and Technology, China Brijesh Verma, Central Queensland University, Australia

28. Foundations of CI (**FOCI**)

Domingo Lopez, University of Malaga, Spain Leonardo Franco, University of Florida, USA Chao Qian, Nanjing University, China

29. Evolvable Systems (ICES)

Andy Tyrrell, University of York, UK Martin A. Trefzer, University of York, UK

30. Immune Computation (**IComputation**)

Wenjian Luo, Harbin Institute of Technology, Shenzhen, China Mario Pavone, University of Catania, Italy Uwe Aickelin, The University of Melbourne, Australia Licheng Jiao, Xidian University, China

31. Intelligent Agents (IA)

Sabrina Senatore, University of Salerno, Italy Mario G.C.A. Cimino, University of Pisa, Italy Riyaz Sikora, University of Texas at Arlington, USA

32. Intelligent Biomedical Data Analysis (**IBDA**)

Alan Wang, University of Auckland, New Zealand Nikola Kasabov, Auckland University of Technology, New Zealand Yuefeng Li, Queensland University of Technology, Australia

33. Multi-agent System Coordination and Optimization (MASCO)

Jing Liu, Xidian University, China Kai Wu, Xidian University, China

34. Model-Based Evolutionary Algorithms (**MBEA**)

Ran Cheng, Southern University of Science and Technology, China Cheng He, Southern University of Science and Technology, China Jose A. Lozano, University of the Basque Country, Spain Yaochu Jin, University of Surrey, UK

35. Multicriteria Decision-Making (MCDM)

Hemant Singh, UNSW Canberra, Australia Kalyanmoy Deb, Michigan State University, USA

36. Nature-Inspired Computation in Engineering (**NICE**) João Paulo Papa, São Paulo State University, Brazil Xin-She Yang, Middlesex University London, UK

37. Robotic Intelligence in Informationally Structured Space (RiiSS)

Janos Botzheim, Budapest University of Technology and Economics, Hungary Wei Hong Chin, Tokyo Metropolitan University, Japan Chu Kiong Loo, University of Malaya, Malaysia Hiroyuki Masuta, Toyama Prefectural University, Japan Naoki Masuyama, Osaka Prefecture University, Japan

38. Cooperative Metaheuristics (**SCM**)

Mohammed El-Abd, American University of Kuwait Shi Cheng, Shaanxi Normal University, China Seyedali Mirjalili, Obuda University, Hungary Diego Oliva, Universidad de Guadalajara, CUCEI, Mexico

39. Differential Evolution (**SDE**)

Rammohan Mallipeddi, Kyungpook National University, South Korea Guohua Wu, Central South University, Changsha, China

40. Swarm Intelligence Symposium (SIS)

Sanaz Mostaghim, Otto von Guericke University Magdeburg, Germany Yuhui Shi, Southern University of Science and Technology, China Shi Cheng, Shaanxi Normal University, China

Special Sessions

1. Computational Intelligence and Cognitive Science (CIMEX)

Hiram Calvo, CIC-IPN, Mexico

Miguel Gonzalez, Tecnologico de Monterrey, Mexico

2. AI for Aerial Robotics (AIAR)

Israel Cruz Vega, National Institute of Astrophysics, Optics and Electronics (INAOE), Mexico

José Martínez Carranz, INAOE, Mexico

3. AI in Autonomous Vehicles (AIAV)

Filiberto Muñoz Palacios, CINVESTAV-CNRS, Mexico Jorge Said Cervantes Rojas, CINVESTAV-CNRS, Mexico

4. Computational Intelligence for Fault Detection and Isolation (CIFDI)

Alma Y. Alanis, Universidad de Guadalajara, Mexico Juan Anzurez-Marin, Universidad Michoacana de San Nicolas de Hidalgo, Mexico

5. Computational Intelligence for Robotics (CIR)

Wen Yu, CINVESTAV-IPN, Mexico

Zeng-Guang Hou, Chinese Academy of Sciences, China

6. Computing Intelligence in Scheduling and Optimization of Complex Systems (CISO)

Lijun He, Wuhan University of Technology, China

Wenfeng Li, Wuhan University of Technology, China

7. Computational Intelligent for Data Stream Analysis (CIDSA)

Shengxiang Yang, De Montfort University, UK

8. Computational Intelligence in Power and Energy Systems (CIPES)

Fernando Lezama, Polytechnic of Porto, Portugal

Joao Soares, Polytechnic of Porto, Portugal

Kumar Venayagamoorthy, Clemson University, USA

Zita Vale, Polytechnic of Porto, Portugal

9. Extreme Learning Machines (ELM)

Guang-Bin Huang, Nanyang Technological University, Singapore

Bao-Liang Lu, Shanghai Jiao Tong University, China

Jonathan Wu, University of Windsor, Canada

Donald C. Wunsch II, Missouri University of Science and Technology, USA

Amaury Lendasse, University of Houston, USA

Intelligent Control with State Constraint (ICSC) Isaac Chairez, IPN, Mexico Ivan Salgado, IPN, Mexico

- 11. Interactive Reinforcement Learning (IARL)
 Minwoo Jake Lee, University of North Carolina, Charlotte, USA
- 12. Machine Learning for Knowledge-Based Systems (**MLKBS**)

 Asdrúbal López-Chau, Universidad Autónoma del Estado de México, Mexico
 David Valle-Cruz, Universidad Autónoma del Estado de México, Mexico
- 13. Randomized Algorithms for Training Neural Networks (**RANN**)

 Dianhui Wang, China University of Mining and Technology, China Ivan Tyukin, King's College of London, UK

 Simone Scardapane, Sapienza University of Rome, Italy

IEEE SSCI 2023 Statistics

Country/Region	Authors	Submissions	Accepted
CI.			
China	171	63	44
United States of America	127	53	36
Mexico	145	53	35
Canada	124	45	37
United Kingdom	99	34	23
Germany	117	30	26
Brazil	42	18	13
Japan	41	13	13
Netherlands	36	11	10
Australia	17	13	6
Italy	21	12	5
India	26	9	5
South Africa	9	8	5
Spain	23	7	5
Poland	9	6	2
Greece	16	5	4
Norway	11	5	4
Portugal	11	5	3
Finland	17	4	4
Singapore	7	7	3
Denmark	9	3	3
Slovenia	8	3	3
Turkey	1	3	1
Korea, South	4	3	0
Israel	0	2	0
Malaysia	3	2	1
Oman	4	2	2
Romania	4	2	2
Russia	8	2	2
Slovakia	2	2	1
Taiwan	5	2	2

Country/Region	Authors	Submissions	Accepted
New Zealand	5	5	1
Hungary	7	2	1
Bangladesh	7	1	1
Belgium	7	1	1
France	7	1	1
Lebanon	0	1	0
Qatar	1	1	1
Uruguay	1	1	1
Cyprus	3	1	0
Kuwait	0	1	0
Colombia	1	0	0
Iceland	0	0	0
Iran	1	0	0
Lithuania	1	0	0
Sweden	2	0	0
Ukraine	3	0	0
Total	1,163	442	307

	Submissions	Accepted
Show all (442)	442	307
Adaptive Dynamic Programming and Reinforcement Learning (ADPRL) (9)	9	8
Al for Aerial Robotics (AIAR) (1)	1	
Al in Autonomous Vehicles (AIAV) (3)	4	2
Automated Algorithm Design, Configuration and Selection (AADCS) (7)	10	6
CI and Ensemble Learning (CIEL) (4)	4	3
CI Applications in Smart Grid (CIASG) (6)	7	5
CI for Brain Computer Interfaces (CIBCI) (8)	10	6
CI for Data Stream Analysis (CIDSA) (4)	4	2
CI for Engineering Solutions (CIES) (8)	8	7
CI for Financial Engineering and Economics (CIFEr) (15)	24	13
CI for Human-like Intelligence (CIHLI) (7)	11	5
CI for Industrial Process (CIIP) (16)	16	10
CI for Multimedia Signal and Vision Processing (CIMSIVP) (11)	13	10
CI for Security and Defense Applications (CISDA) (3)	4	2
CI in Big Data (CIBD) (2)	3	1
CI in Biometrics and Identity Management (CIBIM) (7)	7	6

	Submissions	Accepted
Show all (442)	442	307
CI in Control and Automation (CICA) (5)	5	4
CI in Cyber Security (CICS) (16)	19	14
CI in Data Mining (CIDM) (19)	19	17
CI in Dynamic and Uncertain Environments (CIDUE) (2)	3	1
CI in Feature Analysis, Selection and Learning in Image and Pattern	5	4
Recognition (FASLIP) (5)		
CI in Healthcare and E-health (CICARE) (19)	19	15
CHIT Healthcare and E-Health (CICARE) (19)	19	15
CI in IoT and Smart Cities (CIIoT) (6)	7	5
Critition and Smart cities (chor) (b)		3
CI in Remote Sensing (CIRS) (2)	3	1
or in Nermate Sensing (Sins) (2)		•
CI in Vehicles and Transportation Systems (CIVTS) (10)	10	8
Computational Intelligence and Cognitive Science (CIMEX) (8)	7	5
Computational Intelligence for Fault Detection and Isolation (CIFDI) (6)	7	5
Computational Intelligence for Robotics (CIR) (6)	8	5
Computational Intelligence in Power and Energy Systems (CIPES) (7)	7	5
Computing Intelligence in Scheduling and Optimization of Complex Systems	7	5
(CISO) (6)		
Cooperative Metaheuristics (SCM) (3)	4	2
Deep Learning (DL) (22)	20	00
Deep Learning (DL) (22)	28	20
Differential Evalution (CDE) (2)	4	2
Differential Evolution (SDE) (3)	4	2
Ethical, Social and Legal Implications of Artificial Intelligence (ETHAI) (6)	7	5
Luncal, Journal and Legal Implications of Artificial Intelligence (ETHAI) (6)	/	J

	Submissions	Accepted
Show all (442)	442	307
Evolutionary Neural Architecture Search and Applications (ENASA) (6)	6	5
Evolutionary Scheduling and Combinatorial Optimisation (ESCO) (6)	6	4
Evolvable Systems (ICES) (8)	8	6
Evolving and Autonomous Learning Systems (EALS) (5)	6	4
Extreme Learning Machines (ELM) (1)	1	
Foundations of CI (FOCI) (8)	8	6
Immune Computation (IComputation) (2)	3	1
Intelligent Agents (IA) (3)	4	2
Intelligent Biomedical Data Analysis (IBDA) (9)	9	7
Intelligent Control with State Constraint (ICSC) (4)	4	3
Interactive Reinforcement Learning (IARL) (1)	1	
Machine Learning for Knowledge-Based Systems (MLKBS) (3)	4	1
Model-Based Evolutionary Algorithms (MBEA) (8)	8	7
Multi-agent System Coordination and Optimization (MASCO) (4)	4	3
Multicriteria Decision-Making (MCDM) (11)	15	9
Nature-Inspired Computation in Engineering (NICE) (3)	4	2
Randomized Algorithms for Training Neural Networks (RANN) (3)	4	1
Robotic Intelligence in Informationally Structured Space (RiiSS) (3)	4	2
Swarm Intelligence Symposium (SIS) (11)	10	9
Other submission, Presentation-only	29	26

History of SSCI

- SSCI 2022 December 4-7, 2022, Singapore
- SSCI 2021 December 5-7, 2021, Orlando, USA
- SSCI 2020
 1-4 December, 2020, Canberra, Australia
- SSCI 2019
 December 6-9, 2019, Xiamen, China
- SSCI 2018 November 18-21, 2018, Bengaluru, India
- SSCI 2017 November 27-December 1, 2017, Honolulu, USA
- SSCI 2016 December 6-9, 2016, Athens, Greece
- SSCI 2015 December 8-10, 2015, Cape Town, South Africa
- SSCI 2014 December 9-12, 2014, Orlando, USA
- SSCI 2013 April 16-19, 2013, Singapore
- SSCI 2011
 April 11-15, 2011, Paris, France
- SSCI 2009 March 30 – April 2, 2009, Nashville, USA
- SSCI 2007 April 1-5, 2007, Hawaii, USA

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Panagiotakopoulos, Dimitrios	Cranfield University	-	
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Leipert, Martin	University of Erlangen-Nuremberg	Optimization, pp. 579-586.	
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Organizer: Al-Sahaf, Harith	Victoria University of Wellington	
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Saini, Krishanu	Indian Institute of Technology Indore	
Singh, Rituraj	Indian Institute of Technology Indore	
Saurav, Sumeet	CSIR-Central Electronics Engineering Research Institute	
Tiwari, Aruna	IIT INDORE	
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Chauhan, Vikas	NTUT Taipei	
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Thursday December 7, 2023

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10:30-10:50	ThC1.1	Seed Kernel Counting Using	
Spider Monkey Optimization		Object Tracking Neural Netv	• •
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10:50-11:10	ThC1.2	Aguilar-Canto, Fernando	CIC IPN
City Assignment by Multi-Ob Neural Networks for Multiple	jective Evolutionary Artificial	Cardoso-Moreno, Marco A. Jiménez López, Diana Laura	Cic - Ipr Centro De Investigación Er
Katada, Yoshiaki	Setsunan University	official Edgez, Diana Laura	Computación, Instituto Politécnico
·	•		Na
Watanabe, Shinya Ohkura. Kazuhiro	Muroran Institute of Technology	Calvo, Hiram	CIC-IPN
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11:10-11:30	ThC1.3	Explainable Image Recogniti	ion with Graph-Based Feature
	l Twins for Self-Aware Industrial	Extraction and Classification	
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Santos da Silva Júnior, Adelson	University of Pernambuco	Kuttichira, Deepthi	Institute for Integrated and
Vilar Dias, João Luiz	Universidade De Pernambuco	Verma, Brijesh	Intelligent Systems, Griffith Univer Institute for Integrated and
Buarque de Lima Neto, Fernando	University of Pernambuco	verma, Brijesn	Intelligent Systems, Griffith Unive
ГhС2	Imperio B	ThC4	Constitución A
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SIFT, pp. 615-616.	0	Rojas-Velazquez, David	Utrecht University
Yang, RUIJun	Shanghai Institute of Technology	Kidwai, Sarah	Utrecht University
Zhang, Chu Cheng, Yan	Shanghai Institute of Technology East China University of Political	de Vries, Luciënne	Division of Pharmacology
Cheng, ran	Science and Law	O and a second below	University of Utrecht
10:50-11:10	ThC2.2	Garssen, Johan	Division of Pharmacology, University of Utrecht
	ımonia İmages Using CycleGAN	Tonda, Alberto	UMR 518 MIA-PS, INRAE,
<i>Model</i> , pp. 617-618.		Lanca Diagon Alaigadas	Université Paris-Saclay
Lugo Torres, Gerardo	Centro De Investigación En	Lopez-Rincon, Alejandro	Utrect University
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Peralta, Diego Antonio	Instituto Politécnico Nacional	Predicting Directional Chang Learning Regression Models	re Reversal Points with Machine , pp. 633-636.
Valdez-Rodríguez, José E.	Centro De Investigación En Computación	Rayment, George	University of Essex
Calvo Hiram	CIC-IPN	Kampouridis, Michael	University of Essex
Calvo, Hiram		Adegboye, Adesola	University of Ken
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Wang, Qin	Shenzhen University	Ortiz-Munoz, Diana	Universidad Autonoma De Ciudad
Liu, Qiang	Canghai Campus, Shenzhen University, Nanshan District, She	Luviano-Cruz, David	Juarez Universidad Autonoma De Ciudad
			Juarez

Imperio C

ThC3

Perez-Dominguez, Luis

Juarez

Universidad Autonoma De Ciudad

Calvo, Hiram

Aguirre Anaya, Eleazar

Coyac-Torres, Jorge E.

Colonia

ThC7.1

Tsinghua University

ThC5	Constitución B	ThC7	Colon
Deep Learning 2 (POP)		Decision Making (POP)	
10:30-10:50	ThC5.1	10:30-10:50	ThC7
Simultaneous Facial Age Tran pp. 639-640.	sformation and Reenactment,	Profit Allocation in Logistics En Fuzzy Cooperative Game Theo	
Zhang, Jie-Ying	National Taiwan University of	He, Xi	Tsinghua Universi
Hojung Li Syun	Science and Technology National Taiwan University of	Huang, Shuangxi	Tsinghua Universi
Hsiung, Li-Syun	Science and Technology	10:50-11:10	ThC7
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10:50-11:10	ThC5.2	Habbab, Fatim Zahra	University of Esse
Classification of Songs in Spa	nish with LLMs: An Analysis of	Kampouridis, Michael	Univ. of Essex, Essex, U
	, through Classification, pp. 641-	11:10-11:30	ThC7
Alcantara, Tania	Centro De Investigación En Computación, Instituto Politécnico	Computational Intelligence for Recruitment, pp. 657-658. Abid. Noor	University of Calga
0	Na	Yanushkevich, Svetlana	University of Calga
Omar, Garcia-Vazquez Cardoso-Moreno, Marco A.	CIC-IPN Cic - Ipn	randonkevien, eveland	Critive long of Guiga
Calvo, Hiram	CIC - IPN		
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Raitoharju, Jenni Karoliina	University of Jyväskylä	-	Juare
losifidis, Alexandros	Aarhus University	Luviano-Cruz, David	Universidad Autonoma De Ciuda Juare
Gabbouj, Moncef	Tampere University	Perez-Dominguez, Luis	Universidad Autonoma De Ciuda Juare
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10:30-10:50	ThC6.1	with Data Science, pp. 661-662.	
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Cenikj, Gjorgjina	Jožef Stefan Institute	Valdovinos, Rosa María	Universidad Autónoma Del Estad
Petelin, Gašper	Jožef Stefan Institute		De Méxic
Eftimov, Tome	Jožef Stefan Institute	Guzmán, Angélica	Universidad Jaume
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Burton, Henry	Angeles University of California Los	Li, Xiaoou	CINVESTAV-IP
Zhong, Kuanshi	Angeles University of Cincinnati	Ovilla-Martinez, Brisbane	CINVESTAV-IP
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Context-Based Classification (Information, pp. 649-650.	э зеняшче регѕопат	Deep Learning (DL) 3	
De Jesus, Sara	CIC-IPN	Organizer: Sperduti,	University of Padov

CIC-IPN

Instituto Politecnico Nacional

Centro De Investigación En

Alessandro

Organizer: Angelov, Plamen

Organizer: Principe, Jose C.

- /	
Huang, Shuangxi	Tsinghua University
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Valdovinos, Rosa María	Universidad Autónoma Del Estado De México
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Li, Xiaoou	CINVESTAV-IPN
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University of Padova

Lancaster University

University of Florida

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13:50-14:10	ThA1.2 Compression and Adversarial	de Carvalho	Pernambuco
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Pavlitska, Svetlana	FZI Research Center for Information Technology	Barros, Roberto Souto Maior de	Universidade Federal De Pernambuco-UFPE
Grolig, Hannes	Karlsruhe Institute of Technology	14:30-14:50	ThA2.4
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Network Architectures , pp. 6	77-682.	Wang, Xuelei	Institute of Automation, Chinese Academy of Sciences
Tsang, Herbert H. Woo, Gideon	Trinity Western University Trinity Western University	Liu, Chengbao	Institute of Automation, Chinese Academy of Sciences
Tan, Faith	Trinity Western University	Li, Shuo	Institute of Automation, Chinese
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15:10-15:30	ThA1.6	A Game Theoretic Based K-Nea	
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Hoogendoorn, Mark	Vrije Universiteit Amsterdam	Sucia, Miliai Alexandra	Dabes-Bolyal Offiversity
Francois-Lavet, Vincent	VU Amsterdam		
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Cl in Data Mining (CIDM) 1 Organizer: Ni, Zhen	Florida Atlantic University	Organizer: Sheikh, Aziz	University of Edinburgh
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Panayiotou, Christos	University of Cyprus	Badawi, Abeer	Ontario Tech University
Polycarpou, Marios	KIOS Research and Innovation	M. Burhan, Amer	University of Toronto
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Silva, José Júnior de Oliveira	Universidade Federal De Pernambuco	Tyczka, Dale	Telefactor Robotics

Pernambuco

Lindoerfer, Daniel	Telefactor Robotics	Almeida, José	GECAD, LASI, Polytechnic of Porto
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Zhao, Wenbing	Cleveland State University		Porto
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Ciunkiewicz, Philip	University of Calgary	Soares, Joao	GECAD, LASI, Polytechnic of
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		Organizer: Sheikh, Aziz	University of Edinburgh
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Organizer: Ni, Zhen	Florida Atlantic University	Lai, Kenneth	University of Calgary
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Wang, Hua	Victoria University	17:00-17:20	ThB3.4
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Zhan, Zhi-Hui	South China University of Technology	through the Kinematic Model Pescador-Salas, Alejandro	National Technological Institute of
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Jakob, Jonathan	Bielefeld University	Olguín-Díaz, Ernesto	Research Center for Advanced
Hasenjäger, Martina	Honda Research Institute EU		Studies (CINVESTAV)
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Barcomb, Ann	University of Calgary	Góngora Rivera, J. Fernando	Universidad Autónoma De Nuevo
Tan, Benjamin	University of Calgary		León
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Dwivedi, Rajesh	Indian Institute of Technology Indore, Indore	Tinoco-Ramírez, Isaac	Universidad Autónoma De Nuevo León
Tiwari, Aruna	IIT INDORE	Castillo-Herrera, Francisco	Universidad Autónoma De Nuevo
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Ponce, Hiram	Universidad Panamericana	Organ
Barrera-Animas, Ari Y.	Universidad Panamericana	16:00-16:

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Organizer: Tyrrell, Andy	University of York
Organizer: Trefzer, Martin A.	University of York
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Yaman, Anil	Vrije Universiteit Amsterdam
Eiben, A.E.	Vrije Universiteit Amsterdam
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Hickinbotham, Simon	University of York
Friel, Imelda	Queen's University Belfast
Colligan, Andrew Robert	Queen's University Belfast
Price, Mark	Queen's University Belfast
Tyrrell, Andy	University of York
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Kachler, Dimitri Roman Vrije Universiteit Amsterdam Miras, Karine Vrije Universiteit Amsterdam

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Control Correction in a Flapping-Wing Vehicle , pp. 1096-1103.

Gallagher, John University of Cincinnati
Oppenheimer, Michael Autonomous Control Branch,
AFRL, Wright-Patterson Air Force

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Organizer: Zhang, Mengjie	Victoria University of Wellington
Organizer: XUE, Bing	Victoria University of Wellington
16:00-16:20	ThB5.1

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Heise, David Lincoln University
Bear, Helen L. YLB Tech, Ltd

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Enhancing Content-Based Histopathology Image Retrieval Using QR Code Representation , pp. 1120-1125.

Rouzegar, Hamidreza Ontario Tech University
Rahnamayan, Shahryar Brock University
Asilian Bidgoli, Azam Wilfrid Laurier University
Makrehchi, Masoud Ontario Tech University

17:00-17:20 ThB5.4

An Intelligent Email Classification System , pp. 1126-1131.

Luo, Zili Queen's University, School of Computing

Zulkernine, Farhana Queen's University

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Fasino, Adriana Rowan University
Ozdogan, Emrecan Rowan University
Sokhansanj, Bahrad Drexel University
Rosen, Gail Drexel University
Polikar, Robi Rowan University

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Rashno, Elyas Queen's University
Safarzadehvahed, Mahdieh Queen's University
Zulkernine, Farhana Queen's University
Givigi, Sidney Queen's University

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16:00-16:20	ThB6.1

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Chan, Francois	Royal Military College of Canada	Le, Hoang Thanh	Leipzig Universi
•		Middendorf, Martin	Leipzig Universi
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·		Buarque de Lima Neto, Fernando	University of Pernambuo
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Odcyonii, Olasola	Technical State University	Parola, Marco	University of Pis
Roy, Kaushik	North Carolina A&T State University	Cimino, Mario G. C. A.	University of Pis
Yuan, Xiaohong	North Carolina Agricultural and	ThB8	Conquis
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ÇAKIR, ESRA GALATASARAY UNIVERSITY

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17:20-17:40 ThB8.5

Fixed Set Search Applied to the Maximum Set K-Covering Problem , pp. 1245-1250.

Jovanovic, Raka Hamad Bin Khalifa University

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Chinnari, Pawan Sai Mahindra University
Sinha, Soumen Mahindra University
Khan, Mehek Mahindra University
Bharill, Neha Mahindra University Hyderabad
Patel, Om Prakash Mahindra University Hyderabad

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Organizer: Dong, Daoyi	Australian National University	Ghairez, isaac	rechologico de Monterrey
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Molina-Porras, Alberto C.	Universidad De Guanajuato	Kablan Objetus	RWTH Aachen University
Avina-Cervantes, Juan G.	Universidad De Guanajuato	Kohler, Christina	Institute of Automatic Control RWTH Aachen University
Correa, Rodrigo	Universidad Industrial De	Abel. Dirk	RWTH Aachen University
-	Santander	Rossaint, Rolf	Anaesthesiology Clinic RWTH
Cruz-Duarte, Jorge Mario	Tecnologico De Monterrey	. tooodiin, r ton	Aachen University Faculty of Medicin
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Mera, Manuel	ESIME IPN	Kluza, Krzysztof	AGH University of Krakow
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Patel, Om Prakash	Mahindra University Hyderabad	Laña, Ibai	TECNALIA
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Viswan, Vimbi	College of Computing and	Wang, Shanxia	Technology Henan Normal University
	Information Sciences, University of Tec	Wang, Shibin	Henan Normal University
Mahmud, Mufti	Nottingham Trent University	Zhang, Qin	The Communication University of
Hajamohideen, Faizal	University of Technology and Applied Sciences	Zirding, Will	China
Subramanian, Karthikeyan	University of Technology and		
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Insole Design and Optimization Processes for Gait Analysis, Newton Method-Based Subspace Support Vector Data pp. 1340-1345. Description , pp. 1372-1379. Orozco Villanueva, Kevin Universidad Paramericana Sohrab, Fahad Alejandro Laakom, Firas Richter, Miguel Universidad Panamericana Gabbouj, Moncef Massachusetts Institute of Villa, Carlos 14:10-14:30 Technology Runtime Analysis of (1+1)-EA on a Biobjective Test Function Martinez-Villaseñor, Lourdes Universidad Panamericana in Unbounded Integer Search Space, pp. 1380-1385. Ponce, Hiram Universidad Panamericana Rudolph, Günter Universidad Panamericana

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Effects of Optimal Genetic Material in the Initial Population of

Tampere University

Tampere University

Tampere University

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Deficite, TODIAS	Otto von Guericke University Magdeburg	·	
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Gorig, Orieng	and Technology	Ovalle-Magallanes, Emmanuel	Universidad De Guanajuato
Nan, Yang	Southern University of Science	Amaya, Ivan	Tecnologico De Monterrey
	and Technology	Ortiz-Bayliss, Jose Carlos	Tecnologico De Monterrey
Pang, Lie Meng	Southern University of Science	Avina-Cervantes, Juan G. Cruz-Duarte, Jorge Mario	Universidad De Guanajuato Tecnologico De Monterrey
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Zhang, Qingfu	City University of Hong Kong	FrA6	Constitución C
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		Organizer: Gonzalez-	ITE430714KI
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Casas-Ordaz, Angel	FrA6.5 FrA8.5 ThB3.5 FrA6.4 FrA6.4 FrB1.5 WeB6.1 WeB6.2 WeB2.2 ThC6.1	1472 1547 1054 1467 1467 1587 496 501 341	Csiszár, Gábor Csiszar, Orsolya Cui, Tianxiang Cui, Yongcheng D da Silva, Carlos J. T. Dahal, Laxman Dai, Yang-Tao Daneshmand, Mahmoud Dang, Truong	WeB6.2WeB6.2WeB8.6FrB5.5ThA7.2FrB4.1ThC6.2ThA8.1WeB7WeB4.1	501 501 603 1735 891 1668 647 914
Casas-Ordaz, Angel	FrA6.5 FrA8.5 ThB3.5 FrA6.4 FrA6.4 FrB1.5 WeB6.1 WeB6.2 WeB2.2 ThC6.1 ThA5.2	1472 1547 1054 1467 1467 1587 496 501 341 645	Csiszár, Gábor Csiszar, Orsolya Cui, Tianxiang Cui, Yongcheng. D da Silva, Carlos J. T. Dahal, Laxman Dai, Yang-Tao Daneshmand, Mahmoud Dang, Truong Das, Laxmi Rani	WeB6.2WeB6.2WeB8.6FrB5.5ThA7.2FrB4.1ThC6.2ThA8.1WeB7WeB7WeB4.1ThA6.4	501 501 603 1735 891 1668 647 914 0 413 867
Casas-Ordaz, Angel Castillo-Herrera, Francisco Castro, Citlali Castro, Emmanuel Catrambone, Vincenzo Ceberio, Martine Cenikj, Gjorgjina Ceretta Nunes, Raul	FrA6.5 FrA8.5 ThB3.5 FrA6.4 FrA6.4 FrB1.5 WeB6.1 WeB6.2 WeB2.2 ThC6.1 ThA5.2 WeA1.4	1472 1547 1054 1467 1467 1587 496 501 341 645 814	Csiszár, Gábor Csiszar, Orsolya Cui, Tianxiang Cui, Yongcheng. D da Silva, Carlos J. T. Dahal, Laxman Dai, Yang-Tao Daneshmand, Mahmoud Dang, Truong Das, Laxmi Rani		501 501 603 1735 891 1668 647 914 0 413
Casas-Ordaz, Angel Castillo-Herrera, Francisco Castro, Citlali Castro, Emmanuel Catrambone, Vincenzo Ceberio, Martine Cenikj, Gjorgjina Ceretta Nunes, Raul Chai, Tianyou	FrA6.5 FrA8.5 ThB3.5 FrA6.4 FrA6.4 FrB1.5 WeB6.1 WeB6.2 WeB2.2 ThC6.1 ThA5.2 WeA1.4 FrA1.6	1472 1547 1054 1467 1467 1587 496 501 341 645 814 19	Csiszár, Gábor Csiszar, Orsolya Cui, Tianxiang Cui, Yongcheng. D da Silva, Carlos J. T. Dahal, Laxman Dai, Yang-Tao Daneshmand, Mahmoud Dang, Truong Das, Laxmi Rani Dasgupta, Dipankar		501 501 603 1735 891 1668 647 914 0 413 867 1158
Casas-Ordaz, Angel Castillo-Herrera, Francisco Castro, Citlali Castro, Emmanuel Catrambone, Vincenzo Ceberio, Martine Cenikj, Gjorgjina Ceretta Nunes, Raul Chai, Tianyou Chairez, Isaac.	FrA6.5 FrA8.5 FrA8.5 ThB3.5 FrA6.4 FrA6.4 FrB1.5 WeB6.1 WeB6.2 WeB2.2 ThC6.1 ThA5.2 WeA1.4 FrA1.6 ThB6.2	1472 1547 1054 1467 1467 1587 496 501 341 645 814 19 1286	Csiszár, Gábor Csiszar, Orsolya Cui, Tianxiang Cui, Yongcheng. D da Silva, Carlos J. T. Dahal, Laxman Dai, Yang-Tao Daneshmand, Mahmoud Dang, Truong Das, Laxmi Rani Dasgupta, Dipankar		501 501 603 1735 891 1668 647 914 0 413 867 1158 0
Casas-Ordaz, Angel Castillo-Herrera, Francisco Castro, Citlali Castro, Emmanuel Catrambone, Vincenzo Ceberio, Martine Cenikj, Gjorgjina Ceretta Nunes, Raul Chai, Tianyou Chairez, Isaac Chan, Francois	FrA6.5 FrA8.5 FrA8.5 ThB3.5 FrA6.4 FrA6.4 FrB1.5 WeB6.1 WeB6.2 WeB2.2 ThC6.1 ThA5.2 WeA1.4 FrA1.6 ThB6.2 FrB2.4	1472 1547 1054 1467 1467 1587 496 501 341 645 814 19 1286 1151	Csiszár, Gábor Csiszar, Orsolya Cui, Tianxiang Cui, Yongcheng D da Silva, Carlos J. T. Dahal, Laxman Dai, Yang-Tao Daneshmand, Mahmoud Dang, Truong Das, Laxmi Rani Dasgupta, Dipankar	WeB6.2 WeB8.6 FrB5.5 ThA7.2 FrB4.1 ThC6.2 ThA8.1 WeB7 WeB4.1 ThA6.4 ThB6.3 ThA6 ThB6 ThB6.1	501 501 603 1735 891 1668 647 914 0 413 867 1158 0 0
Casas-Ordaz, Angel Castillo-Herrera, Francisco Castro, Citlali Castro, Emmanuel Catrambone, Vincenzo Ceberio, Martine Cenikj, Gjorgjina Ceretta Nunes, Raul Chai, Tianyou Chairez, Isaac Chan, Francois	FrA6.5 FrA8.5 FrA8.5 FrA6.4 FrA6.4 FrB1.5 WeB6.1 WeB6.2 WeB2.2 ThC6.1 ThA5.2 WeA1.4 FrA1.6 ThB6.2 FrB2.4 WeA2.3	1472 1547 1054 1467 1467 1587 496 501 341 645 814 19 1286 1151 1613	Csiszár, Gábor Csiszar, Orsolya Cui, Tianxiang Cui, Yongcheng D da Silva, Carlos J. T. Dahal, Laxman Dai, Yang-Tao Daneshmand, Mahmoud Dang, Truong Das, Laxmi Rani Dasgupta, Dipankar	WeB6.2 WeB8.6 FrB5.5 ThA7.2 FrB4.1 ThC6.2 ThA8.1 WeB7 WeB4.1 ThA6.4 ThB6.3 ThA6 ThB6 ThB6.1 WeB5.2	501 501 603 1735 891 1668 647 914 0 413 867 1158 0 0 1145 463
Casas-Ordaz, Angel	FrA6.5 FrA8.5 FrA8.5 ThB3.5 FrA6.4 FrA6.4 FrB1.5 WeB6.1 WeB6.2 WeB2.2 ThC6.1 ThA5.2 WeA1.4 FrA1.6 ThB6.2 FrB2.4 WeA2.3 ThA3.2	1472 1547 1054 1467 1467 1587 496 501 341 645 814 19 1286 1151 1613 53	Csiszár, Gábor Csiszar, Orsolya Cui, Tianxiang Cui, Yongcheng D da Silva, Carlos J. T. Dahal, Laxman Dai, Yang-Tao Daneshmand, Mahmoud Dang, Truong Das, Laxmi Rani Dasgupta, Dipankar Dawood, Ahmed De Jesus, Sara	WeB6.2 WeB8.6 FrB5.5 ThA7.2 FrB4.1 ThC6.2 ThA8.1 WeB7 WeB4.1 ThA6.4 ThB6.3 ThA6 ThB6 ThB6 ThB6.1 WeB5.2 ThC6.3	501 501 603 1735 891 1668 647 914 0 413 867 1158 0 0 1145 463 649
Casas-Ordaz, Angel Castillo-Herrera, Francisco Castro, Citlali Castro, Emmanuel Catrambone, Vincenzo Ceberio, Martine Cenikj, Gjorgjina Ceretta Nunes, Raul Chai, Tianyou Chairez, Isaac Chan, Francois Chang, Yu-Cheng Chatten, Martha Jane	FrA6.5 FrA8.5 FrA8.5 FrA6.4 FrA6.4 FrA6.4 FrB1.5 WeB6.1 WeB6.2 WeB2.2 ThC6.1 ThA5.2 WeA1.4 FrA1.6 ThB6.2 FrB2.4 WeA2.3 ThA3.2 WeB8.1	1472 1547 1054 1467 1467 1587 496 501 341 645 814 19 1286 1151 1613 53 747	Csiszár, Gábor Csiszar, Orsolya Cui, Tianxiang Cui, Yongcheng D da Silva, Carlos J. T. Dahal, Laxman Dai, Yang-Tao Daneshmand, Mahmoud Dang, Truong Das, Laxmi Rani Dasgupta, Dipankar Dawood, Ahmed De Jesus, Sara de Lima, Gustavo	WeB6.2 WeB8.6 FrB5.5 ThA7.2 FrB4.1 ThC6.2 ThA8.1 WeB7 WeB4.1 ThA6.4 ThB6.3 ThA6 ThB6 ThB6 ThB6.1 WeB5.2 ThC6.3 ThA5.6	501 501 603 1735 891 1668 647 914 0 413 867 1158 0 0 1145 463 649 842
Casas-Ordaz, Angel Castillo-Herrera, Francisco Castro, Citlali Castro, Emmanuel Catrambone, Vincenzo Ceberio, Martine Cenikj, Gjorgjina Ceretta Nunes, Raul Chai, Tianyou Chairez, Isaac Chan, Francois Chang, Yu-Cheng Chatten, Martha Jane Chauhan, Vikas	FrA6.5 FrA8.5 FrA8.5 FrA6.4 FrA6.4 FrB1.5 WeB6.1 WeB6.2 WeB2.2 ThC6.1 ThA5.2 WeA1.4 FrA1.6 ThB6.2 FrB2.4 WeA2.3 ThA3.2 WeB8.1 ThB2.6	1472 1547 1054 1467 1467 1587 496 501 341 645 814 19 1286 1151 1613 53 747 573	Csiszár, Gábor Csiszar, Orsolya Cui, Tianxiang Cui, Yongcheng D da Silva, Carlos J. T. Dahal, Laxman Dai, Yang-Tao Daneshmand, Mahmoud Dang, Truong Das, Laxmi Rani Dasgupta, Dipankar Dawood, Ahmed De Jesus, Sara de Lima, Gustavo de Lima Silva, Luís Alvaro	WeB6.2 WeB8.6 FrB5.5 ThA7.2 FrB4.1 ThC6.2 ThA8.1 WeB7 WeB4.1 ThA6.4 ThB6.3 ThA6 ThB6 ThB6 ThB6.1 WeB5.2 ThC6.3 ThA5.6 ThA5.2	501 501 603 1735 891 1668 647 914 0 413 867 1158 0 0 1145 463 649
Casas-Ordaz, Angel Castillo-Herrera, Francisco Castro, Citlali Castro, Emmanuel Catrambone, Vincenzo Ceberio, Martine Cenikj, Gjorgjina Ceretta Nunes, Raul Chai, Tianyou Chairez, Isaac Chan, Francois Chang, Yu-Cheng Chatten, Martha Jane Chauhan, Vikas Chen, Bruce	FrA6.5 FrA8.5 FrA8.5 ThB3.5 FrA6.4 FrA6.4 FrB1.5 WeB6.1 WeB6.2 WeB2.2 ThC6.1 ThA5.2 WeA1.4 FrA1.6 ThB6.2 FrB2.4 WeA2.3 ThA3.2 WeB8.1 ThB2.6 ThB2.6 ThB8.2	1472 1547 1054 1467 1467 1587 496 501 341 645 814 19 1286 1151 1613 53 747 573 1024	Csiszár, Gábor Csiszar, Orsolya Cui, Tianxiang Cui, Yongcheng D da Silva, Carlos J. T. Dahal, Laxman Dai, Yang-Tao Daneshmand, Mahmoud Dang, Truong Das, Laxmi Rani Dasgupta, Dipankar Dawood, Ahmed De Jesus, Sara de Lima, Gustavo	WeB6.2 WeB8.6 FrB5.5 ThA7.2 FrB4.1 ThC6.2 ThA8.1 WeB7 WeB4.1 ThA6.4 ThB6.3 ThA6 ThB6 ThB6 ThB6.1 WeB5.2 ThC6.3 ThA5.6 ThA5.2	501 501 603 1735 891 1668 647 914 0 413 867 1158 0 0 1145 463 649 842
Casas-Ordaz, Angel Castillo-Herrera, Francisco Castro, Citlali Castro, Emmanuel Catrambone, Vincenzo Ceberio, Martine Cenikj, Gjorgjina Ceretta Nunes, Raul Chai, Tianyou Chairez, Isaac Chan, Francois Chang, Yu-Cheng Chatten, Martha Jane Chauhan, Vikas Chen, Bruce Chen, Chun-Hua	FrA6.5 FrA8.5 FrA8.5 ThB3.5 FrA6.4 FrA6.4 FrB1.5 WeB6.1 WeB6.2 WeB2.2 ThC6.1 ThA5.2 WeA1.4 FrA1.6 ThB6.2 FrB2.4 WeA2.3 ThA3.2 WeB8.1 ThB2.6 ThB2.6 ThA8.2 ThB2.2	1472 1547 1054 1467 1467 1587 496 501 341 645 814 19 1286 1151 1613 53 747 573 1024 920 998	Csiszár, Gábor Csiszar, Orsolya Cui, Tianxiang Cui, Yongcheng D da Silva, Carlos J. T. Dahal, Laxman Dai, Yang-Tao Daneshmand, Mahmoud Dang, Truong Das, Laxmi Rani Dasgupta, Dipankar Dawood, Ahmed De Jesus, Sara de Lima, Gustavo de Lima Silva, Luís Alvaro	WeB6.2 WeB8.6 FrB5.5 ThA7.2 FrB4.1 ThC6.2 ThA8.1 WeB7 WeB4.1 ThA6.4 ThB6.3 ThA6 ThB6 ThB6.1 WeB5.2 ThC6.3 ThA5.6 ThA5.2 WeA2.4	501 501 603 1735 891 1668 647 914 0 413 867 1158 0 0 1145 463 649 842 814
Casas-Ordaz, Angel Castillo-Herrera, Francisco Castro, Citlali Castro, Emmanuel Catrambone, Vincenzo Ceberio, Martine Cenikj, Gjorgjina Ceretta Nunes, Raul Chai, Tianyou Chairez, Isaac Chan, Francois Chang, Yu-Cheng Chatten, Martha Jane Chauhan, Vikas Chen, Bruce Chen, Chun-Hua Chen, David	FrA6.5 FrA8.5 FrA8.5 ThB3.5 FrA6.4 FrA6.4 FrB1.5 WeB6.1 WeB6.2 WeB2.2 ThC6.1 ThA5.2 WeA1.4 FrA1.6 ThB6.2 FrB2.4 WeA2.3 ThA3.2 WeB8.1 ThB2.6 ThA8.2 ThB2.6 ThA8.2 ThB2.2 FrB1.1	1472 1547 1054 1467 1467 1587 496 501 341 645 814 19 1286 1151 1613 53 747 573 1024 920	Csiszár, Gábor Csiszar, Orsolya Cui, Tianxiang Cui, Yongcheng D da Silva, Carlos J. T. Dahal, Laxman Dai, Yang-Tao Daneshmand, Mahmoud Dang, Truong Das, Laxmi Rani Dasgupta, Dipankar Dawood, Ahmed De Jesus, Sara de Lima, Gustavo de Lima Silva, Luís Alvaro de Souza, Gabriel Henrique De Vos, Maarten de Vries, Luciënne	WeB6.2 WeB8.6 FrB5.5 ThA7.2 FrB4.1 ThC6.2 ThA8.1 WeB7 WeB4.1 ThA6.4 ThB6.3 ThA6 ThB6 ThB6.1 WeB5.2 ThC6.3 ThA5.6 ThA5.2 WeA2.4 FrB1.5 ThC4.1	501 501 603 1735 891 1668 647 914 0 413 867 1158 0 0 1145 463 649 842 814 58
Casas-Ordaz, Angel Castillo-Herrera, Francisco Castro, Citlali Castro, Emmanuel Catrambone, Vincenzo Ceberio, Martine Cenikj, Gjorgjina Ceretta Nunes, Raul Chai, Tianyou Chairez, Isaac Chan, Francois Chang, Yu-Cheng Chatten, Martha Jane Chauhan, Vikas Chen, Bruce Chen, Chun-Hua	FrA6.5 FrA8.5 FrA8.5 ThB3.5 FrA6.4 FrA6.4 FrB1.5 WeB6.1 WeB6.2 WeB2.2 ThC6.1 ThA5.2 WeA1.4 FrA1.6 ThB6.2 FrB2.4 WeA2.3 ThA3.2 WeB8.1 ThB2.6 ThA8.2 ThB2.2 FrB1.1 ThA8.3	1472 1547 1054 1467 1467 1587 496 501 341 645 814 19 1286 1151 1613 53 747 573 1024 920 998 1560	Csiszár, Gábor Csiszar, Orsolya Cui, Tianxiang Cui, Yongcheng D da Silva, Carlos J. T. Dahal, Laxman Dai, Yang-Tao Daneshmand, Mahmoud Dang, Truong Das, Laxmi Rani Dasgupta, Dipankar Dawood, Ahmed De Jesus, Sara de Lima, Gustavo de Lima Silva, Luís Alvaro de Souza, Gabriel Henrique De Vos, Maarten	WeB6.2 WeB8.6 FrB5.5 ThA7.2 FrB4.1 ThC6.2 ThA8.1 WeB7 WeB4.1 ThA6.4 ThB6.3 ThA6 ThB6 ThB6.1 WeB5.2 ThC6.3 ThA5.6 ThA5.2 WeA2.4 FrB1.5 ThC4.1	501 501 603 1735 891 1668 647 914 0 413 867 1158 0 0 1145 463 649 842 814 58 1587 631
Casas-Ordaz, Angel Castillo-Herrera, Francisco Castro, Citlali Castro, Emmanuel Catrambone, Vincenzo Ceberio, Martine Cenikj, Gjorgjina Ceretta Nunes, Raul Chai, Tianyou Chairez, Isaac Chan, Francois Chang, Yu-Cheng Chatten, Martha Jane Chauhan, Vikas Chen, Bruce Chen, Chun-Hua Chen, David Chen, Jiawei Chen, Jun	FrA6.5 FrA8.5 FrA8.5 ThB3.5 FrA6.4 FrA6.4 FrB1.5 WeB6.1 WeB6.2 WeB2.2 ThC6.1 ThA5.2 WeA1.4 FrA1.6 ThB6.2 FrB2.4 WeA2.3 ThA3.2 WeB8.1 ThB2.6 ThB2.6 ThB2.2 FrB1.1 ThA8.3 WeA6.3	1472 1547 1054 1467 1467 1587 496 501 341 645 814 19 1286 1151 1613 53 747 573 1024 920 998 1560 926	Csiszár, Gábor Csiszar, Orsolya Cui, Tianxiang Cui, Yongcheng D da Silva, Carlos J. T. Dahal, Laxman Dai, Yang-Tao Daneshmand, Mahmoud Dang, Truong Das, Laxmi Rani Dasgupta, Dipankar Dawood, Ahmed De Jesus, Sara de Lima, Gustavo de Lima Silva, Luís Alvaro de Souza, Gabriel Henrique De Vos, Maarten de Vries, Luciënne	WeB6.2 WeB8.6 FrB5.5 ThA7.2 FrB4.1 ThC6.2 ThA8.1 WeB7 WeB4.1 ThA6.4 ThB6.3 ThA6 ThB6 ThB6.1 WeB5.2 ThC6.3 ThA5.6 ThA5.2 WeA2.4 FrB1.5 ThC4.1 FrA7	501 501 603 1735 891 1668 647 914 0 413 867 1158 0 0 1145 463 649 842 814 58 1587 631
Casas-Ordaz, Angel Castillo-Herrera, Francisco Castro, Citlali Castro, Emmanuel Catrambone, Vincenzo Ceberio, Martine Cenikj, Gjorgjina Ceretta Nunes, Raul Chai, Tianyou Chairez, Isaac Chan, Francois Chang, Yu-Cheng Chatten, Martha Jane Chauhan, Vikas Chen, Bruce Chen, Chun-Hua Chen, David Chen, Jiawei Chen, Jun Chen, Qiang	FrA6.5 FrA8.5 FrA8.5 FrA6.4 FrA6.4 FrA6.4 FrB1.5 WeB6.1 WeB6.2 WeB2.2 ThC6.1 ThA5.2 WeA1.4 FrA1.6 ThB6.2 FrB2.4 WeA2.3 ThA3.2 WeB8.1 ThB2.6 ThA8.2 ThB2.6 ThA8.2 ThB2.6 ThA8.2 ThB2.1 ThA8.3 WeA6.3 FrB6.1	1472 1547 1054 1467 1467 1587 496 501 341 645 814 19 1286 1151 1613 53 747 573 1024 920 998 1560 926 200 1741	Csiszár, Gábor Csiszar, Orsolya Cui, Tianxiang Cui, Yongcheng D da Silva, Carlos J. T. Dahal, Laxman Dai, Yang-Tao Daneshmand, Mahmoud Dang, Truong Das, Laxmi Rani Dasgupta, Dipankar Dawood, Ahmed De Jesus, Sara de Lima, Gustavo de Lima Silva, Luís Alvaro de Souza, Gabriel Henrique De Vos, Maarten de Vries, Luciënne Deb, Kalyanmoy	WeB6.2 WeB6.2 WeB8.6 FrB5.5 ThA7.2 FrB4.1 ThC6.2 ThA8.1 WeB7 WeB4.1 ThA6.4 ThB6.3 ThA6 ThB6 ThB6.1 WeB5.2 ThC6.3 ThA5.6 ThA5.2 WeA2.4 FrB1.5 ThC4.1 FrA7 FrA7.1	501 501 603 1735 891 1668 647 914 0 413 867 1158 0 0 1145 463 649 842 814 58 1587 631
Casas-Ordaz, Angel Castillo-Herrera, Francisco Castro, Citlali Castro, Emmanuel Catrambone, Vincenzo Ceberio, Martine Cenikj, Gjorgjina Ceretta Nunes, Raul Chai, Tianyou Chairez, Isaac Chan, Francois Chang, Yu-Cheng Chatten, Martha Jane Chauhan, Vikas Chen, Bruce Chen, Chun-Hua Chen, David Chen, Jiawei Chen, Jun Chen, Qiang Chen, Qingda	FrA6.5 FrA8.5 FrA8.5 FrA8.5 FrA6.4 FrA6.4 FrB1.5 WeB6.1 WeB6.2 WeB2.2 ThC6.1 ThA5.2 WeA1.4 FrA1.6 ThB6.2 FrB2.4 WeA2.3 ThA3.2 WeB8.1 ThB2.6 ThB2.6 ThB2.2 FrB1.1 ThA8.3 WeA6.3 FrB6.1 WeB5.3	1472 1547 1054 1467 1467 1587 496 501 341 645 814 19 1286 1151 1613 53 747 573 1024 920 998 1560 926 200 1741 470	Csiszár, Gábor Csiszar, Orsolya Cui, Tianxiang Cui, Yongcheng D da Silva, Carlos J. T Dahal, Laxman Dai, Yang-Tao Daneshmand, Mahmoud Dang, Truong Das, Laxmi Rani Dasgupta, Dipankar Dawood, Ahmed De Jesus, Sara de Lima, Gustavo de Lima Silva, Luís Alvaro de Souza, Gabriel Henrique De Vos, Maarten de Vries, Luciënne Deb, Kalyanmoy Decleyre, Nicholas Deen Muhammad, Sumaiya	WeB6.2 WeB6.2 WeB8.6 FrB5.5 ThA7.2 FrB4.1 ThC6.2 ThA8.1 WeB7 WeB4.1 ThA6.4 ThB6.3 ThA6 ThB6 ThB6.1 WeB5.2 ThC6.3 ThA5.6 ThA5.2 WeA2.4 FrB1.5 ThC4.1 FrA7 FrA7.1 WeA3.5 WeB4.3	501 501 603 1735 891 1668 647 914 0 413 867 1158 0 0 0 1145 463 649 842 814 58 1587 631 0
Casas-Ordaz, Angel Castillo-Herrera, Francisco Castro, Citlali Castro, Emmanuel Catrambone, Vincenzo Ceberio, Martine Cenikj, Gjorgjina Ceretta Nunes, Raul Chai, Tianyou Chairez, Isaac Chan, Francois Chang, Yu-Cheng Chatten, Martha Jane Chauhan, Vikas Chen, Bruce Chen, Chun-Hua Chen, David Chen, Jiawei Chen, Jun Chen, Qiang Chen, Qingda Chen, Qingda Chen, Richard	FrA6.5 FrA8.5 FrA8.5 FrA8.5 FrA6.4 FrA6.4 FrB1.5 WeB6.1 WeB6.2 WeB2.2 ThC6.1 ThA5.2 WeA1.4 FrA1.6 ThB6.2 FrB2.4 WeA2.3 ThA3.2 WeB8.1 ThB2.6 ThB2.6 ThB2.2 FrB1.1 ThA8.3 WeA6.3 FrB6.1 WeB5.3 FrB6.5	1472 1547 1054 1467 1467 1587 496 501 341 645 814 19 1286 1151 1613 53 747 573 1024 920 998 1560 926 200 1741 470 1767	Csiszár, Gábor Csiszar, Orsolya Cui, Tianxiang Cui, Yongcheng D da Silva, Carlos J. T. Dahal, Laxman Dai, Yang-Tao Daneshmand, Mahmoud Dang, Truong Das, Laxmi Rani Dasgupta, Dipankar Dawood, Ahmed De Jesus, Sara de Lima, Gustavo de Lima Silva, Luís Alvaro de Souza, Gabriel Henrique De Vos, Maarten de Vries, Luciënne Deb, Kalyanmoy Decleyre, Nicholas	WeB6.2 WeB6.2 WeB8.6 FrB5.5 ThA7.2 FrB4.1 ThC6.2 ThA8.1 WeB7 WeB4.1 ThA6.4 ThB6.3 ThA6 ThB6 ThB6.1 WeB5.2 ThC6.3 ThA5.6 ThA5.2 WeA2.4 FrB1.5 ThC4.1 FrA7 FrA7.1 WeA3.5 WeB4.3	501 501 603 1735 891 1668 647 914 0 413 867 1158 0 0 1145 463 649 842 814 58 1587 631 0 1479 103
Casas-Ordaz, Angel Castillo-Herrera, Francisco Castro, Citlali Castro, Emmanuel Catrambone, Vincenzo Ceberio, Martine Cenikj, Gjorgjina Ceretta Nunes, Raul Chai, Tianyou Chairez, Isaac Chan, Francois Chang, Yu-Cheng Chatten, Martha Jane Chauhan, Vikas Chen, Bruce Chen, Chun-Hua Chen, David Chen, Jiawei Chen, Jun Chen, Qiang Chen, Qingda Chen, Qingda Chen, Richard Chen, T. Donna	FrA6.5 FrA8.5 FrA8.5 FrA6.4 FrA6.4 FrA6.4 FrB1.5 WeB6.1 WeB6.2 ThC6.1 ThA5.2 WeA1.4 FrA1.6 ThB6.2 FrB2.4 WeA2.3 ThA3.2 WeB8.1 ThB2.6 ThB2.2 FrB1.1 ThA8.3 WeA6.3 FrB6.1 WeB5.3 FrB6.5 FrB6.4	1472 1547 1054 1467 1467 1587 496 501 341 645 814 19 1286 1151 1613 53 747 573 1024 920 998 1560 926 200 1741 470 1767 1759	Csiszár, Gábor Csiszar, Orsolya Cui, Tianxiang Cui, Yongcheng D da Silva, Carlos J. T Dahal, Laxman Dai, Yang-Tao Daneshmand, Mahmoud Dang, Truong Das, Laxmi Rani Dasgupta, Dipankar Dawood, Ahmed De Jesus, Sara de Lima, Gustavo de Lima Silva, Luís Alvaro de Souza, Gabriel Henrique De Vos, Maarten de Vries, Luciënne Deb, Kalyanmoy Decleyre, Nicholas Deen Muhammad, Sumaiya	WeB6.2 WeB6.2 WeB8.6 FrB5.5 ThA7.2 FrB4.1 ThC6.2 ThA8.1 WeB7 WeB4.1 ThA6.4 ThB6.3 ThA6 ThB6 ThB6.1 WeB5.2 ThC6.3 ThA5.6 ThA5.2 WeA2.4 FrB1.5 ThC4.1 FrA7 FrA7.1 WeA3.5 WeB4.3 FrA3.4	501 501 603 1735 891 1668 647 914 0 413 867 1158 0 0 1145 463 649 842 814 58 1587 631 0 1479 103 427
Casas-Ordaz, Angel Castillo-Herrera, Francisco Castro, Citlali Castro, Emmanuel Catrambone, Vincenzo Ceberio, Martine Cenikj, Gjorgjina Ceretta Nunes, Raul Chai, Tianyou Chairez, Isaac Chan, Francois Chang, Yu-Cheng Chatten, Martha Jane Chauhan, Vikas Chen, Bruce Chen, Chun-Hua Chen, David Chen, Jiawei Chen, Jun Chen, Qiang Chen, Qingda Chen, Richard Chen, T. Donna Chen, Xinan	FrA6.5 FrA8.5 FrA8.5 FrA6.4 FrA6.4 FrA6.4 FrB1.5 WeB6.1 WeB6.2 WeB2.2 ThC6.1 ThA5.2 WeA1.4 FrA1.6 ThB6.2 FrB2.4 WeA2.3 ThA3.2 WeB8.1 ThB2.6 ThB8.1 ThB2.6 FrB1.1 ThA8.3 WeA6.3 FrB6.1 WeB5.3 FrB6.4 ThB8.1	1472 1547 1054 1467 1467 1587 496 501 341 645 814 19 1286 1151 1613 53 747 573 1024 920 998 1560 926 200 1741 470 1767 1759 1221	Csiszár, Gábor Csiszar, Orsolya Cui, Tianxiang Cui, Yongcheng D da Silva, Carlos J. T Dahal, Laxman Dai, Yang-Tao Daneshmand, Mahmoud Dang, Truong Das, Laxmi Rani Dasgupta, Dipankar Dawood, Ahmed De Jesus, Sara de Lima, Gustavo de Lima Silva, Luís Alvaro de Souza, Gabriel Henrique De Vos, Maarten de Vries, Luciënne Deb, Kalyanmoy Decleyre, Nicholas Deen Muhammad, Sumaiya Del Ser, Javier	WeB6.2 WeB6.2 WeB8.6 FrB5.5 ThA7.2 FrB4.1 ThC6.2 ThA8.1 WeB7 WeB4.1 ThA6.4 ThB6.3 ThA6 ThB6 ThB6.1 WeB5.2 ThC6.3 ThA5.6 ThA5.2 WeA2.4 FrB1.5 ThC4.1 FrA7 FrA7.1 WeA3.5 WeB4.3 FrA3.4 FrA5.2	501 501 603 1735 891 1668 647 914 0 413 867 1158 0 0 1145 463 649 842 814 58 1587 631 0 1479 103 427 1346
Casas-Ordaz, Angel Castillo-Herrera, Francisco Castro, Citlali Castro, Emmanuel Catrambone, Vincenzo Ceberio, Martine Cenikj, Gjorgjina Ceretta Nunes, Raul Chai, Tianyou Chairez, Isaac Chan, Francois Chang, Yu-Cheng Chatten, Martha Jane Chauhan, Vikas Chen, Bruce Chen, Chun-Hua Chen, David Chen, Jiawei Chen, Jun Chen, Qiang Chen, Qingda Chen, Richard Chen, T. Donna Chen, Xinan Chen, Xinan Chen, Yingwu	FrA6.5 FrA8.5 FrA8.5 ThB3.5 FrA6.4 FrA6.4 FrA6.4 FrB1.5 WeB6.1 WeB6.2 WeB2.2 ThC6.1 ThA5.2 WeA1.4 FrA1.6 ThB6.2 FrB2.4 WeA2.3 ThA3.2 WeB8.1 ThB2.6 ThB2.2 FrB1.1 ThA8.3 WeA6.3 FrB6.1 WeB5.3 FrB6.5 FrB6.4 ThB8.1 ThB8.1 ThA8.3	1472 1547 1054 1467 1467 1587 496 501 341 645 814 19 1286 1151 1613 53 747 573 1024 920 998 1560 926 200 1741 470 1767 1759 1221 926	Csiszár, Gábor Csiszar, Orsolya Cui, Tianxiang Cui, Yongcheng D da Silva, Carlos J. T Dahal, Laxman Dai, Yang-Tao Daneshmand, Mahmoud Dang, Truong Das, Laxmi Rani Dasgupta, Dipankar Dawood, Ahmed De Jesus, Sara de Lima, Gustavo de Lima Silva, Luís Alvaro de Souza, Gabriel Henrique De Vos, Maarten de Vries, Luciënne Deb, Kalyanmoy Decleyre, Nicholas Deen Muhammad, Sumaiya Del Ser, Javier	WeB6.2 WeB6.2 WeB8.6 FrB5.5 ThA7.2 FrB4.1 ThC6.2 ThA8.1 WeB7 WeB4.1 ThA6.4 ThB6.3 ThA6 ThB6 ThB6.1 WeB5.2 ThC6.3 ThA5.6 ThA5.2 WeA2.4 FrB1.5 ThC4.1 FrA7 FrA7.1 WeA3.5 WeB4.3 FrA3.4 FrA5.2 ThC8.2	501 501 603 1735 891 1668 647 914 0 413 867 1158 0 0 1145 463 649 842 814 58 1587 631 0 1479 103 427 1346 1414
Casas-Ordaz, Angel Castillo-Herrera, Francisco Castro, Citlali Castro, Emmanuel Catrambone, Vincenzo Ceberio, Martine Cenikj, Gjorgjina Ceretta Nunes, Raul Chai, Tianyou Chairez, Isaac Chan, Francois Chang, Yu-Cheng Chatten, Martha Jane Chauhan, Vikas Chen, Bruce Chen, Chun-Hua Chen, David Chen, Jiawei Chen, Jiawei Chen, Qiang Chen, Qingda Chen, Richard Chen, T. Donna Chen, Xinan Chen, Yingwu Chen, Jingwu Chen, Jingwu Chen, Jingwu Chen, Xinan Chen, Xinan Chen, Xinan Chen, Xinguu Chen, Yingwu Chen, Zhijian	FrA6.5 FrA8.5 FrA8.5 ThB3.5 FrA6.4 FrA6.4 FrA6.4 FrB1.5 WeB6.1 WeB6.2 WeB2.2 ThC6.1 ThA5.2 WeA1.4 FrA1.6 ThB6.2 FrB2.4 WeA2.3 ThA3.2 WeB8.1 ThB2.6 ThB2.2 FrB1.1 ThA8.3 WeA6.3 FrB6.1 WeB5.3 FrB6.5 FrB6.4 ThB8.1 ThA8.3 FrA8.6	1472 1547 1054 1467 1467 1587 496 501 341 645 814 19 1286 1151 1613 53 747 573 1024 920 998 1560 926 200 1741 470 1767 1759 1221 926 1553	Csiszár, Gábor Csiszar, Orsolya Cui, Tianxiang Cui, Yongcheng D da Silva, Carlos J. T Dahal, Laxman Dai, Yang-Tao Daneshmand, Mahmoud Dang, Truong Das, Laxmi Rani Dasgupta, Dipankar Dawood, Ahmed De Jesus, Sara de Lima, Gustavo de Lima Silva, Luís Alvaro de Souza, Gabriel Henrique De Vos, Maarten de Vries, Luciënne Deb, Kalyanmoy Decleyre, Nicholas Deen Muhammad, Sumaiya Del Ser, Javier. Delgado, David Joaquín	WeB6.2 WeB6.2 WeB8.6 FrB5.5 ThA7.2 FrB4.1 ThC6.2 ThA8.1 WeB7 WeB4.1 ThA6.4 ThB6.3 ThA6 ThB6 ThB6.1 WeB5.2 ThC6.3 ThA5.6 ThA5.2 WeA2.4 FrB1.5 ThC4.1 FrA7 FrA7.1 WeA3.5 WeB4.3 FrA3.4 FrA5.2 ThC8.2 WeA2 WeA2	501 501 603 1735 891 1668 647 914 0 413 867 1158 0 0 1145 463 649 842 814 58 1587 631 0 1479 103 427 1346 1414 661
Casas-Ordaz, Angel Castillo-Herrera, Francisco Castro, Citlali Castro, Emmanuel Catrambone, Vincenzo Ceberio, Martine Cenikj, Gjorgjina Ceretta Nunes, Raul Chai, Tianyou Chairez, Isaac Chan, Francois Chang, Yu-Cheng Chatten, Martha Jane Chauhan, Vikas Chen, Bruce Chen, Chun-Hua Chen, David Chen, Jiawei Chen, Jun Chen, Qiang Chen, Qingda Chen, Richard Chen, T. Donna Chen, Xinan Chen, Xinan Chen, Yingwu	FrA6.5 FrA8.5 FrA8.5 FrA6.4 FrA6.4 FrA6.4 FrB1.5 WeB6.1 WeB6.2 WeB2.2 ThC6.1 ThA5.2 WeA1.4 FrA1.6 ThB6.2 FrB2.4 WeA2.3 ThA3.2 WeB8.1 ThB2.6 ThA8.2 ThB2.6 ThA8.2 ThB6.1 WeA6.3 FrB6.1 WeA6.3 FrB6.1 WeB5.3 FrB6.1 ThB8.1 ThA8.3 FrB6.4 ThB8.1 ThA8.3 FrB6.4 ThA8.3 FrA8.6 ThA8.3	1472 1547 1054 1467 1467 1587 496 501 341 645 814 19 1286 1151 1613 53 747 573 1024 920 998 1560 926 200 1741 470 1767 1759 1221 926	Csiszár, Gábor Csiszar, Orsolya Cui, Tianxiang Cui, Yongcheng D da Silva, Carlos J. T Dahal, Laxman Dai, Yang-Tao Daneshmand, Mahmoud Dang, Truong Das, Laxmi Rani Dasgupta, Dipankar Dawood, Ahmed De Jesus, Sara de Lima, Gustavo de Lima Silva, Luís Alvaro de Souza, Gabriel Henrique De Vos, Maarten de Vries, Luciënne Deb, Kalyanmoy Decleyre, Nicholas Deen Muhammad, Sumaiya Del Ser, Javier Delgado, David Joaquín Deligianni, Fani	WeB6.2 WeB8.6 FrB5.5 ThA7.2 FrB4.1 ThC6.2 ThA8.1 WeB7 WeB4.1 ThA6.4 ThB6.3 ThA6 ThB6 ThB6.1 WeB5.2 ThC6.3 ThA5.6 ThA5.2 WeA2.4 FrB1.5 ThC4.1 FrA7 FrA7.1 WeA3.5 WeB4.3 FrA7.2 ThC8.2 WeA2 WeA2 WeA2 WeA2	501 501 603 1735 891 1668 647 914 0 413 867 1158 0 0 1145 463 649 842 814 58 1587 631 0 1479 103 427 1346 1414 661 0

Desell, Travis	FrB8.6	1837	Fu,
Di Fede, Olga	FrB1.3	1572	Fuk
Diao, Cuijie	FrB6.2	1747	
Dimaridou, Valia	FrB2.1	1599	
Ding, Jinliang	WeA5	0	
	WeB5	0	Gab
	WeB5.3	470	
Ding, Shusheng	WeB8.6	603	
	FrB5.5	1735	
Dip Das, Joy	WeA3.4	97	
	WeB3.1	375	Gag
Dobos, Daniel	WeB4.1	413	Gala
Dong, Daoyi	FrA1	0	Gall
Dong, Junlan	FrA3.6	1359	Galv
Dong, Liangjie	WeA8.3	276	Gan
Dong, Ximing	WeB1.1	300	Gan
dos Santos, Davi Esteves	WeA2.4	58	Gao
Du, Ke-Jing	ThB2.2	998	Gao
Du, Kelvin	WeA3.6	109	Garl
Du, Shaoyi	WeA8.2	270	Gari
Dube, Michael	FrA4.5	1392	Gar
Dubey, Rahul		1078	
	ThB4.4	1084	Geo
Duerrbaum, Axel		180	Geo
Dwivedi, Rajesh	ThB2.5	1018	Gha
	FrA2.6	1322	Ghe
E			
Ebrahimi, Sevda		965	
Echanobe, Javier		207	Gina
Eftimov, Tome		335	Givi
		645	
Eiben, A.E.		1066	Gon
		1072	
			O
		1518	Gon
Eigner, Gyorgy	WeB6.1	1518 496	Gón Gón
Eigner, GyorgyEISheikh, Mostafa	WeB6.1 WeB5.2	496 463	
Eigner, Gyorgy EISheikh, Mostafa Emu, Mahzabeen	WeB6.1 WeB5.2 WeB2.3	496 463 347	Gón Gon Gon
Eigner, Gyorgy EISheikh, Mostafa Emu, Mahzabeen Engelbrecht, Andries	WeB6.1 WeB5.2 WeB2.3 ThB7.2	496 463	Gón Gon
Eigner, Gyorgy EISheikh, Mostafa Emu, Mahzabeen Engelbrecht, Andries Erdem, Ozan	WeB6.1 WeB5.2 WeB2.3 ThB7.2 FrA3.5	496 463 347 1189 1352	Gón Gon Gon Goo
Eigner, Gyorgy EISheikh, Mostafa Emu, Mahzabeen Engelbrecht, Andries Erdem, Ozan Esterle, Lukas	WeB6.1 WeB5.2 WeB2.3 ThB7.2 FrA3.5 FrB4.5	496 463 347 1189 1352 1696	Gón Gon Gon Goo Goo
Eigner, Gyorgy	WeB6.1 WeB5.2 WeB2.3 ThB7.2 FrA3.5 FrB4.5 ThB3.5	496 463 347 1189 1352 1696 1054	Gón Gon Gon Goo Gor Gor Got
Eigner, Gyorgy EISheikh, Mostafa Emu, Mahzabeen Engelbrecht, Andries Erdem, Ozan Esterle, Lukas Estrada-Cortez, Hector Evora, Saul	WeB6.1 WeB5.2 WeB2.3 ThB7.2 FrA3.5 FrB4.5 ThB3.5	496 463 347 1189 1352 1696	Gón Gon Gon Goo Gor Gott Gott
Eigner, Gyorgy EISheikh, Mostafa Emu, Mahzabeen Engelbrecht, Andries Erdem, Ozan Esterle, Lukas Estrada-Cortez, Hector Evora, Saul	WeB6.1 WeB5.2 WeB2.3 ThB7.2 FrA3.5 FrB4.5 ThB3.5 ThA5.4	496 463 347 1189 1352 1696 1054 829	Gón Gon Gon Gor Gor Gott Gow Gree
Eigner, Gyorgy	WeB6.1 WeB5.2 WeB2.3 ThB7.2 FrA3.5 FrB4.5 ThB3.5 ThA5.4	496 463 347 1189 1352 1696 1054 829	Gón Gon Gon Goo Gor Gott Gow Gree Gree
Eigner, Gyorgy	WeB6.1 WeB5.2 WeB2.3 ThB7.2 FrA3.5 FrB4.5 ThB3.5 ThA5.4	496 463 347 1189 1352 1696 1054 829	Gón Gon Gon Gor Gor Gott Gow Gree Grei
Eigner, Gyorgy	WeB6.1 WeB5.2 WeB2.3 ThB7.2 FrA3.5 FrB4.5 ThB3.5 ThA5.4 WeB2.3 WeA1.3	496 463 347 1189 1352 1696 1054 829 1239 347 13	Gón Gon Gon Gor Gott Gow Gree Grei Grol Gu,
Eigner, Gyorgy EISheikh, Mostafa Emu, Mahzabeen Engelbrecht, Andries Erdem, Ozan Esterle, Lukas Estrada-Cortez, Hector Evora, Saul F Fadakar, Elyas Fadlullah, Zubair Md Faleiros, Thiago de Paulo Fang, Yutong	WeB6.1 WeB5.2 WeB2.3 ThB7.2 FrA3.5 ThB3.5 ThA5.4 WeB2.3 WeA1.3 WeB8.6	496 463 347 1189 1352 1696 1054 829 1239 347 13 603	Gón Gon Gon Gor Gott Gow Gre Grel Grol Gu, Gu,
Eigner, Gyorgy	WeB6.1WeB5.2WeB2.3ThB7.2FrA3.5ThB3.5ThA5.4WeB2.3WeB2.3WeA1.3WeB8.6FrB5.5	496 463 347 1189 1352 1696 1054 829 1239 347 13 603 1735	Gón Gon Gon Gor Gott Gow Gre Grel Grol Gu, Gu,
Eigner, Gyorgy	WeB6.1WeB5.2WeB2.3ThB7.2FrA3.5ThB3.5ThA5.4WeB2.3WeB2.3WeA1.3WeB8.6FrB5.5FrB1.1	496 463 347 1189 1352 1696 1054 829 1239 347 13 603 1735 1560	Gón Gon Gon Gor Gott Gow Gre Grel Gu, Gu, Gui Guil
Eigner, Gyorgy	WeB6.1WeB5.2WeB2.3ThB7.2FrA3.5ThB3.5ThA5.4WeB2.3WeB1.3WeB1.3WeB1.1WeB8.6FrB5.5FrB1.1WeA4.3	496 463 347 1189 1352 1696 1054 829 1239 347 13 603 1735 1560 129	Gón Gon Gon Gor Gott Gow Gre Grel Gu, Gu, Gui Guil
Eigner, Gyorgy	WeB6.1WeB5.2WeB2.3ThB7.2FrA3.5ThB3.5ThA5.4WeB2.3WeB2.3WeB1.3WeB8.6FrB5.5FrB1.1WeA4.3WeB7.4	496 463 347 1189 1352 1696 1054 829 1239 347 13 603 1735 1560 129 553	Gón Gon Gon Gor Gott Gow Gre Grol Gu, Gui Gui Guo
Eigner, Gyorgy EISheikh, Mostafa Emu, Mahzabeen Engelbrecht, Andries Erdem, Ozan Esterle, Lukas Estrada-Cortez, Hector Evora, Saul F Fadakar, Elyas Fadlullah, Zubair Md Faleiros, Thiago de Paulo Fang, Yutong FARHADI, AYDA Farkaš, Igor Farooq, Muhammad Tallal Fasino, Adriana	WeB6.1WeB5.2WeB2.3ThB7.2FrA3.5ThB3.5ThA5.4WeB2.3WeB2.3WeB1.3WeB8.6FrB5.5FrB1.1WeA4.3WeB7.4ThB5.5	496 463 347 1189 1352 1696 1054 829 1239 347 13 603 1735 1560 129 553 1132	Gón Gon Gon Gor Gott Gow Gre Grel Gu, Gu, Guil Gua Gua Gua
Eigner, Gyorgy EISheikh, Mostafa Emu, Mahzabeen Engelbrecht, Andries Erdem, Ozan Esterle, Lukas Estrada-Cortez, Hector Evora, Saul F Fadakar, Elyas Fadlullah, Zubair Md Faleiros, Thiago de Paulo Fang, Yutong FARHADI, AYDA Farkaš, Igor Farooq, Muhammad Tallal Fasino, Adriana Feldhans, Robert	WeB6.1WeB5.2WeB2.3ThB7.2FrA3.5FrB4.5ThB3.5ThA5.4WeB2.3WeB2.3WeB1.3WeB8.6FrB5.5FrB1.1WeA4.3WeB7.4ThB5.5ThA5.5	496 463 347 1189 1352 1696 1054 829 1239 347 13 603 1735 1560 129 553 1132 836	Gón Gon Gon Gor Gott Gow Gre Gre Gro, Gu, Gui Gui Guo Guo Guo
Eigner, Gyorgy EISheikh, Mostafa Emu, Mahzabeen Engelbrecht, Andries Erdem, Ozan Esterle, Lukas Estrada-Cortez, Hector Evora, Saul F Fadakar, Elyas Fadlullah, Zubair Md Faleiros, Thiago de Paulo Fang, Yutong FARHADI, AYDA Farkaš, Igor Farooq, Muhammad Tallal Fasino, Adriana Feldhans, Robert	WeB6.1WeB5.2WeB2.3ThB7.2FrA3.5ThB3.5ThA5.4WeB2.3WeB2.3WeB1.3WeB8.6FrB1.1WeA4.3WeB7.4ThB5.5ThA5.5FrA2.1	496 463 347 1189 1352 1696 1054 829 1239 347 13 603 1735 1560 129 553 1132 836 1292	Gón Gon Gon Gor Gott Gow Gre Grol Gu, Gui Gui Guo Guo Guo Guo
Eigner, Gyorgy EISheikh, Mostafa Emu, Mahzabeen Engelbrecht, Andries Erdem, Ozan Esterle, Lukas Estrada-Cortez, Hector Evora, Saul F Fadakar, Elyas Fadlullah, Zubair Md Faleiros, Thiago de Paulo FARHADI, AYDA FARHADI, AYDA Farooq, Muhammad Tallal Fasino, Adriana Feldhans, Robert Ferro, Giulio	WeB6.1WeB5.2WeB2.3ThB7.2FrA3.5FrB4.5ThB3.5ThA5.4WeB2.3WeA1.3WeB8.6FrB5.5FrB1.1WeA4.3WeB7.4ThB5.5ThA5.5ThA5.5ThA5.5	496 463 347 1189 1352 1696 1054 829 1239 347 13 603 1735 1560 129 553 1132 836 1292 33	Gón Gon Gon Gor Gott Gow Gre Grol Gu, Gui Gui Guo Guo Guo Guo Guo
Eigner, Gyorgy EISheikh, Mostafa Emu, Mahzabeen Engelbrecht, Andries Erdem, Ozan Esterle, Lukas Estrada-Cortez, Hector Evora, Saul F Fadakar, Elyas Fadlullah, Zubair Md Faleiros, Thiago de Paulo Fang, Yutong FARHADI, AYDA FARHADI, AYDA Farkaš, Igor Farooq, Muhammad Tallal Fasino, Adriana Feldhans, Robert Ferro, Giulio Ferro, Giulio Fieldsend, Jonathan Edward	WeB6.1WeB5.2WeB2.3ThB7.2FrA3.5FrB4.5ThB3.5ThA5.4WeB2.3WeA1.3WeB8.6FrB5.5FrB1.1WeA4.3WeB7.4ThB5.5ThA5.5FrA2.1WeA1.6ThA8.6	496 463 347 1189 1352 1696 1054 829 1239 347 13 603 1735 1560 129 553 1132 836 1292 33 947	Gón Gon Gon Gor Gott Gow Gre Grol Gu, Gui Gui Gui Guo Guo Guo Guo Guo Guo
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Eigner, Gyorgy EISheikh, Mostafa Emu, Mahzabeen Engelbrecht, Andries Erdem, Ozan Esterle, Lukas Estrada-Cortez, Hector Evora, Saul F Fadakar, Elyas Fadlullah, Zubair Md Faleiros, Thiago de Paulo Fang, Yutong FARHADI, AYDA Farooq, Muhammad Tallal Fasino, Adriana Feldhans, Robert Ferro, Giulio Fieldsend, Jonathan Edward Finke, Axel	WeB6.1WeB5.2WeB2.3ThB7.2FrA3.5FrB4.5ThB3.5ThA5.4WeB2.3WeA1.3WeB8.6FrB5.5FrB1.1WeA4.3WeB7.4ThB5.5ThA5.5ThA5.5ThA5.5ThA5.6	496 463 347 1189 1352 1696 1054 829 1239 347 13 603 1735 1560 129 553 1132 836 1292 33 947 264 1104	Gón Gon Gon Gon Gor Gott Gow Gree Grol Gu, Gui Guo
Eigner, Gyorgy EISheikh, Mostafa Emu, Mahzabeen Engelbrecht, Andries Erdem, Ozan Esterle, Lukas Estrada-Cortez, Hector Evora, Saul F Fadakar, Elyas Fadlullah, Zubair Md Faleiros, Thiago de Paulo Fang, Yutong FARHADI, AYDA Farkaš, Igor Farooq, Muhammad Tallal Fasino, Adriana Feldhans, Robert Ferro, Giulio Fieldsend, Jonathan Edward Finke, Axel Forastiere, Laura	WeB6.1WeB5.2WeB2.3ThB7.2FrA3.5FrB4.5ThB3.5ThA5.4WeB2.3WeA1.3WeB8.6FrB5.5FrB1.1WeA4.3WeB7.4ThB5.5ThA5.5ThA5.5ThA5.5ThA5.5ThA5.5ThA5.5	496 463 347 1189 1352 1696 1054 829 1239 347 13 603 1735 1560 129 553 1132 836 1292 33 947 264 1104 992	Gón Gon Gon Gon Gor Gott Gow Gree Grol Gu, Gui Gui Guo
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Eigner, Gyorgy EISheikh, Mostafa Emu, Mahzabeen Engelbrecht, Andries Erdem, Ozan Esterle, Lukas Estrada-Cortez, Hector Evora, Saul F Fadakar, Elyas Fadlullah, Zubair Md Faleiros, Thiago de Paulo Farkaš, Igor Farkaš, Igor Farooq, Muhammad Tallal Fasino, Adriana Feldhans, Robert Ferro, Giulio Fieldsend, Jonathan Edward Finke, Axel Forastiere, Laura Francisco, Vega Franco, Leonardo Francois-Lavet, Vincent Fraser, Benjamin Frasheri, Mirgita Friel, Imelda	WeB6.1WeB5.2WeB2.3ThB7.2FrA3.5FrB4.5ThB3.5ThA5.4WeB2.3WeA1.3WeB8.6FrB5.5FrB1.1WeA4.3WeB7.4ThB5.5ThA5.5ThA5.5ThA5.5FrA2.1WeA1.6WeA1.6WeA8.1ThB5.1ThB5.1ThB2.1WeA5.2FrA4ThA1.6WeA1.1	496 463 347 1189 1352 1696 1054 829 1239 347 13 603 1735 1560 129 553 1132 836 1292 33 947 264 1104 992 158 0 695 1 1696 1078	Gón Gon Gon Gon Gor Gott Gow Gre Gre Gro Gui Gui Guo Guo Guo Gup Gut Guz Gyö Hab Hai Elai Hai
Eigner, Gyorgy EISheikh, Mostafa Emu, Mahzabeen Engelbrecht, Andries Erdem, Ozan Esterle, Lukas Estrada-Cortez, Hector Evora, Saul F Fadakar, Elyas Fadlullah, Zubair Md Faleiros, Thiago de Paulo. Fang, Yutong FARHADI, AYDA Farkaš, Igor Farooq, Muhammad Tallal Fasino, Adriana Feldhans, Robert Ferro, Giulio Fieldsend, Jonathan Edward Finke, Axel Forastiere, Laura Francisco, Vega Franco, Leonardo Francois-Lavet, Vincent Fraser, Benjamin Frasheri, Mirgita Friel, Imelda	WeB6.1WeB5.2WeB2.3ThB7.2FrA3.5FrB4.5ThB3.5ThA5.4WeB2.3WeB2.3WeA1.3WeB8.6FrB5.5FrB1.1WeA4.3WeB7.4ThB5.5ThA5.5FrA2.1WeA1.6WeA1.6WeA1.6WeA1.6WeA1.6WeA5.2FrA4ThB2.1WeA5.2FrA4ThB1.6WeA1.1	496 463 347 1189 1352 1696 1054 829 1239 347 13 603 1735 1560 129 553 1132 836 1292 33 947 264 1104 992 158 0 695 1 1696 1078 1084	Gón Gon Gon Gon Gor Gott Gow Gree Grei Gui Gui Gui Gui Gui Gui Gui Habi Haig
Eigner, Gyorgy EISheikh, Mostafa Emu, Mahzabeen Engelbrecht, Andries Erdem, Ozan Esterle, Lukas Estrada-Cortez, Hector Evora, Saul F Fadakar, Elyas Fadlullah, Zubair Md Faleiros, Thiago de Paulo Farkaš, Igor Farkaš, Igor Farooq, Muhammad Tallal Fasino, Adriana Feldhans, Robert Ferro, Giulio Fieldsend, Jonathan Edward Finke, Axel Forastiere, Laura Francisco, Vega Franco, Leonardo Francois-Lavet, Vincent Fraser, Benjamin Frasheri, Mirgita Friel, Imelda	WeB6.1WeB5.2WeB2.3ThB7.2FrA3.5FrB4.5ThB3.5ThA5.4WeB2.3WeB2.3WeB2.3WeB8.6FrB5.5FrB1.1WeA4.3WeB7.4ThB5.5ThA5.5FrA2.1WeA1.6ThB5.1WeA1.6ThB5.1WeA5.2FrA4ThB5.1WeA5.2FrA4ThB4.3ThB4.5ThB4.5	496 463 347 1189 1352 1696 1054 829 1239 347 13 603 1735 1560 129 553 1132 836 1292 33 947 264 1104 992 158 0 695 1 1696 1078	Gón Gon Gon Gon Gor Gott Gow Gre Gre Gro Gui Gui Guo Guo Guo Gup Gut Guz Gyö Hab Hai Elai Hai

Fu, Qiujia		778
Fukuyama, Yoshikazu		533
		565
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Gabbouj, Moncef	WeA15	25
Cabbodj, Worlder		407
		643
		1176
	FrA4.2	1372
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Gan, Yuxin		1747
Gandomi, Amir H		953
Gao, Meng		1814
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Garratt, Matthew		1300
Garssen, Johan		631
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George, Deborah	WeA7.5	252
George, Roy		873
Gharavian, Vida		807
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Givigi, Sidney		1421
Gong, Cheng		1398
Cong, Chang		1821
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González-Jaimes, Elvira Ivone	FrB2.6	1626
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González-Quesada, Juan Carlos		1497
Goodfellow, Marc		947
Gorelik, Kirill		525
Gottumukkala, Raju		1176
Gower-Winter, Brandon		1690 1808
Gremmelmaier, Helen		488
Grolig, Hannes		671
Gu, Huijie		778
Gu, Yu		891
Guidry, Jake		1176
Guillermo, Puriel	ThA7.1	885
Guo, Ping		979
Guo, Weisi		1
Guo, Wenjing		1753
Guo, Yuanjun		164
Gupta, Anjali		1322
Gupta, Kishor Datta		873 1158
Gutiérrez-Zaballa, Jon		207
Guzmán, Angélica		661
Gyöngyössy, Natabara Máté		587
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Habbab, Fatim Zahra	ThC7.2	653
Habigt, Moriz		836
		1292
Haighton, Rachel		1421
Hajamohideen, Faizal		1328
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Hamann, Heiko		463
Hammer, Barbara	I hA2.1	703

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		1004			323
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	ThA6.5	873	Ishibuchi, Hisao	WeB4.4	433
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	WeA8.6	294		ThA8.4	933
Hart, Emma	FrA8.2	1526		FrA4.6	1398
Hasan, Kazi Amit	ThB6.4	1164		FrA7.5	1503
Hasenjäger, Martina		1004		FrB8.3	1821
Hashimoto, Yasuhiro		188	Islam, Anik		547
Hassan, Md Yeakub		347	iolan, / tim		879
Hata, Keisuke		188	Islam, SM Mazharul		115
Haupt, Saskia		1566	Ivanov, Valentin		525
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Hayashi, Kaho				ThDO 0	1004
He, Cheng		972	Jakob, Jonathan		1004
He, Lei		926	Jarosch, Moritz		221
He, Lijun		0	Jha, Preeti		1018
He, Linjun		933			1322
He, Xi		651	Ji, Ran		603
He, Yubin		778	Jian, Tang	WeA5.4	170
Hees, Jörn		318		WeA5.5	174
Hein, Daniel		1674	Jiang, Zhengsong	ThA7.2	891
Heins, Jonathan	WeB2.5	361	Jiménez López, Diana Laura	ThC3.2	625
Heise, David	ThB5.2	1112	JIN, Zhihong	FrB6.2	1747
Hellwich, Olaf	WeA6.2	194	Johnson, DeAndre	FrB7.5	1800
Heminway, Ryan	FrB8.4	1829	Joseph, Tim	WeB5.6	488
Henderson, Benn	WeA8.5	288	Jovanovic, Raka		1245
Hendrickson, Daniel C.	FrB6.4	1759	Jungme, Park	WeA6.5	215
Henel, Daniel	FrA2.4	1310	K		
Henrique Nogalha de Lima, Rafael		7	Kachler, Dimitri Roman	ThR4 5	1090
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Herashchenko, Dmytro	WeA4.3	129			387
Herrera Viedma, Enrique		1497			633
Heuveline, Vincent		850			653
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Hickinbotham, Simon		1078	Kanniainen, Juho		25
Thekinbotham, Girion		1076	Manada Managan		407
		1004	Kapela, Ksawery		772
Ho, Sengbeng			Karatas, Melike Dila		947
Hoecker, Maximilian		850	Karimipour, Hadis		547
Hoffmann, Patrick		525			879
Hong, Jun		998	Kasabov, Nikola		0
Hoogendoorn, Mark		695			0
		1406	Katada, Yoshiaki		611
Hoque, Md Erfanul		146	Katagiri, Ryusei		565
Horn, MacKenzie		1662	Katragadda, Satya		1176
Horzyk, Adrian		1310	Kawaguchi, Shuhei		565
Hou, Zeng-Guang	エレハフ	0	Kadala Alausadan	1A1 - A 4 4	135
			Kedalo, Alexander	vveA4.4	133
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Houghten, Sheridan Hsiung, Li-Syun	FrA4.5 ThC5.1	1392	Kerr, Dermot	WeA8.5 WeA8.6	288
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Houghten, Sheridan Hsiung, Li-Syun Hsu, Gee-Sern Hua, Minh Tuan	FrA4.5 ThC5.1 ThC5.1 FrB7.4	1392 639 639	Kerr, Dermot Khan, Mehek	WeA8.5 WeA8.6 ThB3.3 ThB8.6	288 294 1043 1251
Houghten, Sheridan Hsiung, Li-Syun Hsu, Gee-Sern Hua, Minh Tuan Huang, Olive	FrA4.5 ThC5.1 ThC5.1 FrB7.4 WeB1.1	1392 639 639 1794	Kerr, Dermot Khan, Mehek Kheiri, Farnaz		288 294 1043 1251 539
Houghten, Sheridan	FrA4.5 ThC5.1 ThC5.1 FrB7.4 WeB1.1	1392 639 639 1794 300	Kerr, Dermot Khan, Mehek Kheiri, Farnaz Khosravani, Mohammad Sadegh		288 294 1043 1251 539 1316
Houghten, Sheridan	FrA4.5ThC5.1ThC5.1FrB7.4WeB1.1ThC7.1ThA3	1392 639 639 1794 300 651	Kerr, Dermot Khan, Mehek Kheiri, Farnaz Khosravani, Mohammad Sadegh Khosrowshahli, Rasa		288 294 1043 1251 539 1316 807
Houghten, Sheridan	FrA4.5ThC5.1FrB7.4WeB1.1ThC7.1ThA3ThB3	1392 639 639 1794 300 651 O	Kerr, Dermot		288 294 1043 1251 539 1316 807 631
Houghten, Sheridan Hsiung, Li-Syun Hsu, Gee-Sern Hua, Minh Tuan Huang, Olive Huang, Shuangxi Hussain, Amir	FrA4.5ThC5.1FrB7.4WeB1.1ThC7.1ThA3ThB3FrA3	1392 639 639 1794 300 651 O	Kerr, Dermot		288 294 1043 1251 539 1316 807 631 1579
Houghten, Sheridan Hsiung, Li-Syun Hsu, Gee-Sern Hua, Minh Tuan Huang, Olive Huang, Shuangxi Hussain, Amir	FrA4.5ThC5.1FrB7.4WeB1.1ThC7.1ThA3ThB3FrA3	1392 639 639 1794 300 651 O	Kerr, Dermot		288 294 1043 1251 539 1316 807 631 1579 1579
Houghten, Sheridan Hsiung, Li-Syun Hsu, Gee-Sern Hua, Minh Tuan Huang, Olive Huang, Shuangxi Hussain, Amir Hussein, Aya	FrA4.5FrB7.4WeB1.1ThC7.1ThA3ThB3FrA3FrB8.1	1392 639 639 1794 300 651 O O 1808	Kerr, Dermot		288 294 1043 1251 539 1316 807 631 1579 1579
Houghten, Sheridan Hsiung, Li-Syun Hsu, Gee-Sern Hua, Minh Tuan Huang, Olive Huang, Shuangxi Hussain, Amir Hussein, Aya	FrA4.5ThC5.1FrB7.4WeB1.1ThC7.1ThA3ThB3FrA3FrB8.1	1392 639 639 1794 300 651 O O 1808	Kerr, Dermot		288 294 1043 1251 539 1316 807 631 1579 1579 1620 1310
Houghten, Sheridan Hsiung, Li-Syun Hsu, Gee-Sern Hua, Minh Tuan Huang, Olive Huang, Shuangxi Hussain, Amir Hussein, Aya Ibarra, Alejandra IBRAHIM, Mohamed-Harith	FrA4.5ThC5.1FrB7.4WeB1.1ThC7.1ThA3ThB3FrA3FrB8.1	1392 639 639 1794 300 651 O O 1808	Kerr, Dermot		288 294 1043 1251 539 1316 807 631 1579 1579 1620 1310 609
Houghten, Sheridan Hsiung, Li-Syun Hsu, Gee-Sern Hua, Minh Tuan Huang, Olive Huang, Shuangxi Hussain, Amir Hussein, Aya Ibarra, Alejandra IBRAHIM, Mohamed-Harith Igarashi, Masato	FrA4.5ThC5.1FrB7.4WeB1.1ThC7.1ThA3ThB3FrA3FrB8.1FrB5.1FrB5.4WeB7.1	1392 639 639 1794 300 651 O O 1808	Kerr, Dermot		288 294 1043 1251 539 1316 807 631 1579 1579 1620 1310 609 427
Houghten, Sheridan Hsiung, Li-Syun Hsu, Gee-Sern Hua, Minh Tuan Huang, Olive Huang, Shuangxi Hussain, Amir Hussein, Aya Ibarra, Alejandra IBRAHIM, Mohamed-Harith Igarashi, Masato Iizaka, Tatsuya	FrA4.5ThC5.1ThC5.1FrB7.4WeB1.1ThC7.1ThA3ThB3FrA3FrB8.1FrB5.1FrB5.1WeB7.1	1392 639 639 1794 300 651 O O 1808 1712 1429 533 533	Kerr, Dermot		288 294 1043 1251 539 1316 807 631 1579 1579 1620 1310 609 427 1352
Houghten, Sheridan Hsiung, Li-Syun Hsu, Gee-Sern Hua, Minh Tuan Huang, Olive Huang, Shuangxi Hussain, Amir Ibarra, Alejandra IBRAHIM, Mohamed-Harith Igarashi, Masato Iizaka, Tatsuya	FrA4.5ThC5.1ThC5.1FrB7.4WeB1.1ThC7.1ThA3ThB3FrA3FrB8.1FrB5.1FrB5.1WeB7.1WeB7.1ThC1.1	1392 639 639 1794 300 651 O O 1808 1712 1429 533 533 609	Kerr, Dermot		288 294 1043 1251 539 1316 807 631 1579 1579 1620 1310 609 427 1352 836
Houghten, Sheridan Hsiung, Li-Syun Hsu, Gee-Sern Hua, Minh Tuan Huang, Olive Huang, Shuangxi Hussain, Amir Ibarra, Alejandra IBRAHIM, Mohamed-Harith Igarashi, Masato Iizaka, Tatsuya	FrA4.5ThC5.1ThC5.1FrB7.4WeB1.1ThC7.1ThA3ThB3FrB8.1FrB5.1FrB5.1WeB7.1WeB7.1ThC1.1ThB8.6	1392 639 639 1794 300 651 O O 1808 1712 1429 533 533	Kerr, Dermot		288 294 1043 1251 539 1316 807 631 1579 1579 1620 1310 609 427 1352

Kölker, Stefan	FrB1.2	1566	Li, Yongcui	FrB6.1	1741
Kooi, Jacob Eeuwe		695	Li, Yuzhe		19
Köring, Adrian	ThA1.5	689	Li, Zhi	WeA1.4	19
Korna, John		200	liang, shouyu	ThA4.1	778
Korošec, Peter	WeB2.1	335	Liew, Wei Shiung	FrB2.2	1603
Kosheleva, Olga	WeB6.1	496	Limouchi, Elnaz	ThB6.2	1151
	WeB6.2	501		FrB2.4	1613
Kougiatsos, Nikos	WeB6.4	512	Lin, Chin-Teng	WeA2.3	53
Kreinovich, Vladik	WeB6.1	496	Lin, Jianqing		972
		501	Lindoerfer, Daniel		747
Kroll, Andreas		180	Lindsay, Leeanne		288
Krupa, Marek		772			294
Kühne, Joana		194	Ling, Hongtao		1359
Kumano, Yusuke		1195	Liu, Chengbao		723
Kummert, Johannes		836	Liu, Jing		0
		1292	Liu, Qiang		476
Kunku, Kavitha		862	Liu, Qiang		619
Kuttichira, Deepthi	ThC3.3	627	Liu, Shixin		457
L La Maretta Constant	E-D4 0	4.572	Liu Chua		482
La Mantia, Gaetano		1572	Liu, Shuo		294
Laakom, Firas		643	Liu, Tiantian		891
Lai Manarath		1372	Liu, Xiao-Fang		914 953
Lai, Kenneth		1032	Liu, Xiaofeng		1603
		1638	Liu, Yaohui		1741
Lain Alayandar		1644	Liu, Yi		985
Lain, Alexander Lambert, James H		1632 1759	Lobo, Jesus L		1346
Lambert, James 11.		1800	Londt, Trevor		1814
Laña, Ibai		1346	Loo, ChuKiong		1603
Langås, Even Falkenberg		1788	López-Chau, Asdrúbal		1366
Langas, Even raikenberg		1794	Lopoz Griad, 7 todrabar		1626
Lawton, Roxana		1781	Lopez-Rincon, Alejandro		631
Lazar, Bogdan		1257			1593
Le, Hoang Thanh		1183	Lopez-Rodríguez, Domingo		0
Lecoeuche, Stéphane		1429	Lozano, Jose A		0
Lee, Kwang		795	Lu, Zhichao	ThB1.4	972
Legaria-Santiago, Valeria Karina		1449	Ludwig, Simone	WeB8.2	579
Lehnhoff, Sebastian		228	Lugo Torres, Gerardo	ThC2.2	617
Leipert, Martin		553		FrA6.3	1461
Lendek, Zsofia		1257	Lung, Rodica Ioana	ThA2.6	736
Leung, Carson	WeB3.4	395	Luo, Hao		270
Leyden, Connor	ThB2.6	1024		WeA8.3	276
Lezama, Fernando	ThA4	0	Luo, Jie		1518
	ThA4.2	783	Luo, Liu-Yue		920
	ThA4.3	789	Luo, Wenjian		1553
LI, Cheng'ao	WeB8.6	603	Luo, Xiong		240
		1735	1 72		753
LI, FEI		1603	Luo, Zili		1126
Li, Gang		47	Luviano-Cruz, David		637
Li, Hongbin		972	Luu Zimana		659
Li, Jiarui		603	Lyu, Zimeng M	F(B8.0	1837
Li, Jiayi		603		Th A 2 1	741
Li Mingyong		1735	M. Burhan, Amer Ma, Ping		741 1560
Li, Mingyang		312	Ma, Qing		902
Li, Shuo		723	Ma, Yue		
Li, Wei Li, Wenfeng		985 O	Mańdziuk, Jacek		312 O
Li, vveilleng		1741	Machmeier, Stefan		850
		1753	Macias, Cesar		1472
Li, Xiaoou		158	Madden, Kyle		288
Li, Alaoou		663			294
		885	Mahanti, Aniket		300
		1269	Mahmoud, Qusay		539
Li, Yi		306			807
Li, Yichun		665	Mahmud, Mufti		1328
Li, Yingchen		778			1334
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Li, Yiran	WeB8.6	603	Maier, Andreas	WeB7.4	553
Li, Tilali		603 1735	Maier, Andreas Makrehchi, Masoud		553 539

	TI 45 4	007		5 D4 0	4566
		807	Mütze, Ulrike		1566
Malawaki Eilin		1120	Mwaura, Jonathan N		1829
Maldanada Jauragui Juan		772 1054		Th A 1 1	665
Maldonado-Jauregui, JuanMalek-Podjaski, Matthew		69	Nair, Rajesh Nan, Yang		665 433
Malialis, Kleanthis		703	ivali, ralig		441
Mandal, Ranju		258			933
Mandumula, Sai Rithvick		215			1398
Mao, Rui		109			1503
Marcellin, Megan C.		1759			1821
Margapuri, Venkata Siva Kumar		621	Nagvi, Syed Mohsen		665
Márquez Ruiz, Karla Michelle		1060	Nastenko, levgen		1656
Marshallowitz, Sofia Tzvika	WeA4.5	140	Navarro, Mario A		1547
Martínez, M. Victoria	WeA6.4	207	Neilsen, Mitchell		621
Martinez-Corral, Unai	WeA6.4	207	Ngufor, Che	FrB1.1	1560
Martínez-Díaz, Saúl	WeB8.4	593	Nguyen, Quoc Minh	WeA1.5	25
Martinez-Peon, Dulce	ThB3.4	1049	Nguyen, Tien Thanh	WeB4.1	413
	ThB3.5	1054	Ni, Zhen	ThA2	0
Martinez-Seis, Bella	FrA6.6	1477			0
Martinez-Villaseñor, Lourdes		1060			0
		1340	Nilara Davis da Oala		0
Matson, Eric		1096	Niloy, Rounak Saha		1511
Matsui, Tetsuro		533	Nitschke, Geoff		1690
		609	NITSCHKE, GEOFFREY		152
Matthes, Elmar		194	Nitschke, Geoffrey		1526
Mazumder, Arul		234	Nogueira, Michele		822
Mazur, Aleksander		1310	Nousi, Paraskevi Nuno, Comenda		323 103
Mazzara, Manuel		135	O	vveA3.3	103
Mazzuchi, Thomas		1773	OBED SALOMON, CASILLAS BALTAZAR	P FrΔ6.6	1477
McCall, Johnmccoy, rozalina		413 1560	Oberski, Daniel		1593
McGill, Mark		47	Odeyomi, Olusola		1170
Mei, Yi		0	Oest, Frauke		228
Melaugh, Melissa		1043	Ohkura, Kazuhiro		611
Mendez, Eduardo		1712	Ohnishi, Kei		1195
Meng, Fanlin		795			1201
Menzel, Stefan		1704	Okada, Mariko		1579
Mera, Manuel	FrA1.5	1280	Oleksiienko, Illia	WeB1.5	323
Mesejo, Pablo	WeA8	0	Olenic, Kevin	FrA4.5	1392
	WeB8	0	Olguín-Díaz, Ernesto	ThB3.4	1049
Meyer, Bruno Henrique		822	Oliva, Diego		282
Middendorf, Martin		1183			1547
Miller, John		1560	Omar, Garcia-Vazquez		641
Miloradovic, Branko		1696	Oneto, Luca		33
Min, Cheol-Hong		1038	Oppenheimer, Michael		1096
Minasyan, Georgiy		747	Orozco Villanueva, Kevin Alejandro		1340
Miras, Karine		1090	Ortíz Jiménez, Xóchitl A.		1054
Mirchafiaa Mitra		1518	Ortiz-Bayliss, José Carlos		1274
Mirshafiee, Mitra		1012	Ortiz-Bayliss, Jose Carlos		1443
Misir, Mustafa Mizuta, Takanobu		369 75	Ortiz-Munoz, Diana Osada , Yuto		637 533
Moghadasi, Negin		1800	Osnaya Baltierra, Santiago	VVED7.1	1366
Molina-Porras, Alberto C		1263	Ovalle-Magallanes, Emmanuel		1443
Would F Grad, Alberto G		1443	Ovilla-Martinez, Brisbane		158
Mondol, Md Ashaduzzaman Rubel		115	Ovina Martinoz, Briobario		663
Montag, Carsten		228			885
Morales-Castañeda, Bernardo		1547			1269
Morente-Molinera, Juan Antonio		1497	Ozdogan, Emrecan		1132
Mosavi, Nasim Sadat		1304	Ozeki, Jin		329
Mostaghim, Sanaz		0	Р		323
		1386	Pan, Ya-Jun	ThA7.5	908
	FrA7.2	1485	PAN, YU		0
Motta, Luciana Paixão	WeA2.4	58	Panagiotakopoulos, Dimitrios		1
Mousavirad, Seyed Jalaleddin		1547	Panayiotou, Christos	ThA2.1	703
Mpampis, Emmanouil		598	Pandey, Pravin	FrA7.2	1485
	E-A 4 C	1200		141 5 4 4	400
Mukhamedov, Arthur		1286	Pang, Lie Meng		433
Muhamedov, Arthur	FrB2.3	1286 1607 533	Pang, Lie Meng	FrA4.6	433 1398 1821

Pantiskas, Leonardos		1406	Qu, Rong		0
Papadopoulos, Alessandro		1696	O de la la dia		0
Parasteh, Sirvan		1316	Quinn, Justin		288
Park, Deokgun		115		WeA8.6	294
Parodi, Guido		33	R	101 10 1	
Parola, Marco		1213	Radtke, Malin		228
		1572	Rahman, Shammi		288
Parra Perea, Francisco Ruben		200	Rahnamayan, Shahryar		539
Paseka, Alex		146			807
Passalis, Nikolaos		323			965
		381			1120
		598	Daitahanin Jamai Karaliina		1540
		897	Raitoharju, Jenni Karoliina		643
Detail One Breitrach		1599	Ramos-Michel, Alfonso		1547
Patel, Om Prakash		1251	Ranathungage, Thimani Dananjana		375
Doubitalia Cuatlana		1322	Rangel-Carrillo, Eduardo Rashno, Elyas		1724 1139
Pavlitska, Svetlana		671	Nasilio, Liyas		1164
Poorlings Amy		1620	Ratnaparkhe, Milind		1018
Peerlinck, Amy		1491 617	Natifaparkile, Willing		1322
Peralta, Diego Antonio			Ray, Tapabrata		1511
Pérez. Guillermo		1461	Rayment, George		387
,		1718	Nayment, George		
Perez, Guillermo		1718	Reppa, Vasso		633 512
Perez, Ignacio Javier		1497	11 7		1310
Pérez, José Luis Martínez		730	Retajczyk, Marcin		
Perez-Dominguez, Luis		637	Reuter, Julia		1485
Deves Environs Lovitse		659	Rezazadeh P., FarzadRibeiro Costa, Aurélio		180
Perez-Enriquez, Laritza		282	•		7
Pérez-Espinoza, Marcos		1054	Disalda Luis		13
Perotti Souza, Luigi		814	Ricalde, Luis		1730
Perrusquia, Adolfo		1	Richter, Miguel		1340
Pescador-Salas, Alejandro		1049	Rifat, Rakib Hossain		867
Petelin, Gašper		341	Piggs Pohort		1158
Defeated tolling		645	Riggs, Robert		1759
Petzold, Julian		463	Ríos, Héctor		1280
Picallo-Perez, Ana		801	Rios, Thiago		1704 1227
Pichardo-Lagunas, Obdulia		1477	Ripon, Kazi Shah Nawaz		33
Pielka, Maren		318	Robba, Michela		401
Pierce, Sean PIGNATON DE FREITAS. EDISON		421	Rodrigues, PauloRodriguez-Esparza, Erick		1547
-,		140	Rodriguez-Espaiza, Erick Rodriguez-Ramirez, Alma		637
Pillay, Nelishia		814 O	Rojas-Hernández, Rafael		1626
Pineda Cervantes, Pilar		1060	Rojas-Velazquez, David		631
Piran, Misagh		1800	Nojas-velazquez, Daviu		1593
Pöhlmann, Katharina		47	Rokhsatyazdi, Ehsan		1540
Polikar, Robi		1132	Rook, Jeroen		361
Pollick, Frank		47	Rosales-Huie, Juan Pablo		1049
Polmateer, Thomas L			Rosen, Gail		
Polycarpou, Marios		1759 703	Rossaint, Rolf		1132 836
Ponce, Hiram		1060	Rossaili, Roll		1292
Fonce, Finanti		1340	Rouzegar, Hamidreza		1120
Porter, Michael D		1800	Roy, Arunava		1145
Pothula, Aishwarya		115	Roy, Kaushik		856
•		829	Noy, Naustik		862
Poudyel, MeghPozo, Aurora		829 822			1170
Preuß, Oliver Ludger		361	Rudolph, Günter		1380
Price, Mark		1078	Runyu, Zhang		170
T floo, Wark		1076	Turiyu, Zhang		174
Principe, Jose C		0	S		1/7
Fillicipe, Jose C		0	Saad Al Deen, Mohammad Majd	\/\aR1 /	318
		Ö	Sababipour ASL, GOLNAZ		90
		ő	Sababipour ASL, GOLINAZ		395
Prol-Godoy, Irati		801	Sadaoui, Samira		1316
Pruyn, Jeroen		512	Sadman, Nafiz		1164
Q			Safarzadehvahed, Mahdieh		1139
Qi, Quan	WeA7.3	240	Saha, Peash Ranjan		1682
Qiu, Jiang		985	Saini, Krishanu		573
Qiu, Qinru		312	Sakurai, Yoshitaka		329
			Canara, Formana		323

Salgado, Ivan	FrA1.5	1280		FrA7 6	1511
Salomaa, Kai		1682	Singh, Rituraj		573
Sanchez, Jorge D.		1712	Singh, Sanjay		573
Sanchez, Oscar Didier		1607	Sinha, Soumen		1251
Garioricz, Oscar Didici		1712	Slutzky, David L.		1759
Sancho, Juan Manuel		765	Soares, Joao		783
· · · · · · · · · · · · · · · · · · ·		194	Soares, 10a0		789
Sandhu, Hanni					
Sanfilippo, Filippo		1775	Soares Correa da Silva, Flavio		152
		1788	Sohrab, Fahad		407
Ocates Advance		1794			643
Santana, Adamo		533			1176
Santana, Roberto		801			1372
Santos, Manuel Filipe		1304	Sokhansanj, Bahrad		1132
Santos, Silas Garrido Teixeira de Carvalho	ThA2.2	711	Solis Winkler, Agustin	FrA4.1	1366
	ThA2.3	717	Somashekar, Karthik	WeA6.5	215
	ThA2.5	730	Soto, Miguel		1472
Santos da Silva Júnior, Adelson	ThC1.3	613	Sperduti, Alessandro	WeA1	0
Sarkani, Shahram	FrB6.6	1773		WeB1	0
Sato, Takaomi	WeB7.6	565		ThA1	0
Saurav, Sumeet		573		ThB1	0
Sawade, Oliver		194	Srinivasan, Dipti	WeA7	0
Schulz, Alexander		836	Stellmacher, Martin	WeA6.2	194
Condiz, 7 loxaridor		1292	Stemmler, Maike		836
Schuman. Adam		747		FrA2.1	1292
			Sterzing, Volkmar	FrB4.2	1674
Schwartz, Howard		1421	Steup, Christoph		689
scott, christopher		1560	Stockton, Phil		413
Scott, Hallauer		1526	Stoican, Radu		1435
Seiler, Moritz Vinzent		361	· · · · · · · · · · · · · · · · · · ·		
Sen, Anuvab		234	Stucke, Christoph		228
Sen, Udayon	WeA7.2	234	Stuurman, Aart C		1072
Sendhoff, Bernhard	FrB4.6	1704	Subramanian, Karthikeyan		1328
Sethi, Anikeit	WeB8.1	573			1334
Shaffi, Noushath	FrA3.1	1328	Suciu, Mihai Alexandru		736
		1334	Suganthan, Ponnuthurai Nagaratnam		0
Shamsi, Kiarash		395	Sukegawa, Takuya	WeA6.1	188
Shang, Ke		433	Sukhija, Deepali	FrA2.6	1322
Sharig, No.		441	SUKHIJA, DEEPIKA	FrA2.6	1322
		449	Sun, Yanan	FrB8	0
			Suresh, Anirudh		1479
Oh and a hard of Oh a		1503	Suri, Neeraj		306
Shaposhnyk, Olha		1650	Swazinna, Phillip		1674
		1656	Szekeres, Béla János		587
		1662	Szilágyi, László		496
Sheikh, Aziz		0	T		730
		0	Takahashi, Kenjiro	WeD7.6	565
		0			
Sheppard, John		1491	Talukder, Sajedul		1158
Shi, Lin	ThB2.2	998	Tan, Benjamin		1012
Shi, Yuhui		0	Tan, Faith		677
Shimasaki, Yuichi		533	Tan, Pang Jin		1767
Shimizu, Tatsuhiro	ThA1.4	683	Tao, Shen		753
	ThB2.1	992	Tauritz, Daniel R		355
Shmerko, Vlad	FrB3.2	1638	Tefas, Anastasios	WeB1.5	323
Shu, Tianye	WeB4.4	433		WeB3.2	381
	WeB4.5	441		WeB8.5	598
		449		ThA7.3	897
		1503		FrB2.1	1599
Shujaee, Khalil		873	Terada, Yuna		329
Si, Jennie		0/3	Thakur, Aditya Shankar		1837
Sia, Justin		53	Thapaliya, Prapti		621
		867	Thavaneswaran, Aerambamoorthy		146
Siddique, Sunzida					375
		873			
Cife Defet		1158	Thavaneswarn, Aerambamoorthy		90
Sifa, Rafet		318	Thulasinana Dunana		97
Silva, José Júnior de Oliveira		711	Thulasiram, Ruppa		0
Simionato, Giada		1213			90
Singh, Arihant	ThA6.2	856			97
Singh, Ashay		1227			146
Singh, Hemant Kumar	FrA7	0		WeB3	0

	WeB3 1	375
		395
Thulasiraman, Parimala		300
Tian, Guohui		891
riari, Guoriui		902
Tian, Yuan		1164
Tian, Zhiqiang		270
		276
Tinoco-Ramírez, Isaac		1054
Tisdale, Braden N.		355
Tiwari, Aruna		573
		1018
	FrA2.6	1322
Tizhoosh, Hamid	FrA8.4	1540
Tokuhisa, Masato	FrB1.4	1579
Tomczak, Jakub	FrA8.1	1518
Tonda, Alberto	ThC4.1	631
	FrB1.6	1593
Tran, Dat Thanh		25
Trauernicht, Malte		228
Trautmann, Heike		361
Trefzer, Martin A.		0
Tripathi, Abhishek	ThB2 5	1018
Trujillo-Mora, Valentín		1626
		421
Tsang, Herbert H.		
Towards Odersto		677
Tsoumakas, Grigorios		381
Turna, Fatma		1183
Tyczka, Dale		747
Tyrrell, Andy		0
		1078
		1084
Tyska Carvalho, Jonata	ThA3.5	765
U		
Ude, Bassey	ThB6.5	1170
Udluft, Steffen		1674
Udluft, SteffenV	FrB4.2	1674
Udluft, Steffen	FrB4.2	1674 1560
Udluft, Steffen	FrB4.2 FrB1.1 FrB7.5	1560 1800
V Vachon, Celine Valdez, Rupa S Valdez-Rodríguez, José E	FrB4.2 FrB1.1 FrB7.5 ThC2.2	1560 1800 617
V Vachon, Celine Valdez, Rupa S Valdez-Rodríguez, José E	FrB4.2 FrB1.1 FrB7.5 ThC2.2 FrA6.3	1560 1800 617 1461
Vachon, Celine	FrB4.2 FrB1.1 FrB7.5 ThC2.2 FrA6.3 FrA8.5	1560 1800 617
V Vachon, Celine Valdez, Rupa S Valdez-Rodríguez, José E	FrB4.2 FrB1.1 FrB7.5 ThC2.2 FrA6.3 FrA8.5	1560 1800 617 1461
Vachon, Celine	FrB4.2FrB1.1FrB7.5ThC2.2FrA6.3FrA8.5ThC8.2	1560 1800 617 1461 1547
Vachon, Celine	FrB4.2FrB1.1FrB7.5ThC2.2FrA6.3FrA8.5ThC8.2ThA4.2	1560 1800 617 1461 1547 661
Vachon, Celine	FrB4.2FrB1.1FrB7.5ThC2.2FrA6.3FrA8.5ThC8.2ThA4.2	1560 1800 617 1461 1547 661 783 789
Vachon, Celine Valdez, Rupa S. Valdez-Rodríguez, José E. Valdivia G, Arturo. Valdovinos, Rosa María Vale, Zita Valenza, Gaetano	FrB4.2FrB1.1FrB7.5ThC2.2FrA6.3FrA8.5ThC8.2ThA4.2ThA4.3	1560 1800 617 1461 1547 661 783 789 1587
Vachon, Celine Valdez, Rupa S. Valdez-Rodríguez, José E. Valdivia G, Arturo. Valdovinos, Rosa María Vale, Zita Valenza, Gaetano Valle-Cruz, David.	FrB4.2FrB1.1FrB7.5ThC2.2FrA6.3FrA8.5ThC8.2ThA4.2ThA4.3FrB1.5	1674 1560 1800 617 1461 1547 661 783 789 1587 1626
Udluft, Steffen	FrB4.2FrB1.1FrB7.5ThC2.2FrA6.3FrA8.5ThC8.2ThA4.2ThA4.3FrB1.5FrB1.6	1674 1560 1800 617 1461 1547 661 783 789 1587 1626 1593
Vachon, Celine	FrB4.2FrB1.1FrB7.5ThC2.2FrA6.3FrA8.5ThC8.2ThA4.2ThA4.3FrB1.5FrB1.6FrB2.6	1674 1560 1800 617 1461 1547 661 783 789 1587 1626 1593 1298
Vachon, Celine Valdez, Rupa S. Valdez-Rodríguez, José E. Valdovinos, Rosa María Vale, Zita Valenza, Gaetano Valle-Cruz, David van der Laan, Sander W. van Heerden, Willem S. Vandevelde, Simon	FrB4.2FrB1.1FrB7.5ThC2.2FrA6.3FrA8.5ThC8.2ThA4.2ThA4.3FrB1.5FrB1.6FrB2.6FrB2.6FrA2.2WeA3.5	1674 1560 1800 617 1461 1547 661 783 789 1587 1626 1593 1298 103
Udluft, Steffen	FrB4.2FrB1.1FrB7.5ThC2.2FrA6.3FrA8.5ThC8.2ThA4.2ThA4.3FrB1.5FrB2.6FrB2.6FrB2.6FrA2.2WeA3.5	1674 1560 1800 617 1461 1547 661 783 789 1587 1626 1593 1298 103 O
V Vachon, Celine Valdez, Rupa S. Valdez-Rodríguez, José E. Valdivia G, Arturo. Valdovinos, Rosa María Vale, Zita Valenza, Gaetano Valle-Cruz, David van der Laan, Sander W. van Heerden, Willem S. Vandevelde, Simon Venayagamoorthy, Ganesh	FrB4.2FrB1.1FrB7.5ThC2.2FrA6.3FrA8.5ThC8.2ThA4.2ThA4.3FrB1.5FrB1.6FrB1.6FrA2.2WeA3.5WeA7	1674 1560 1800 617 1461 1547 661 783 789 1587 1626 1593 1298 103 O 246
V Vachon, Celine Valdez, Rupa S. Valdez-Rodríguez, José E. Valdivia G, Arturo. Valdovinos, Rosa María Vale, Zita Valenza, Gaetano Valle-Cruz, David van der Laan, Sander W. van Heerden, Willem S. Vandevelde, Simon Venayagamoorthy, Ganesh	FrB4.2FrB1.1FrB7.5ThC2.2FrA6.3FrA8.5ThC8.2ThA4.2ThA4.3FrB1.5FrB2.6FrB1.6FrB1.6FrA2.2WeA3.5WeA7WeA7.4	1674 1560 1800 617 1461 1547 661 783 789 1587 1626 1593 1298 103 0 246 252
Vachon, Celine	FrB4.2FrB1.1FrB7.5ThC2.2FrA6.3FrA8.5ThC8.2ThA4.2ThA4.3FrB1.5FrB1.6FrB1.6FrA2.2WeA7.4WeA7.4WeA7.5ThA4	1674 1560 1800 617 1461 1547 661 783 789 1587 1626 1593 1298 103 0 246 252 0
Vachon, Celine	FrB4.2FrB1.1FrB7.5ThC2.2FrA6.3FrA8.5ThC8.2ThA4.2ThA4.3FrB1.5FrB1.6FrB1.6FrA2.2WeA7.3WeA7WeA7.4WeA7.5ThA4WeA3.5	1674 1560 1800 617 1461 1547 661 783 789 1587 1626 1593 1298 103 0 246 252 0 103
Vachon, Celine	FrB4.2FrB1.1FrB7.5ThC2.2FrA6.3FrA8.5ThC8.2ThA4.2ThA4.3FrB1.6FrB1.6FrB2.6VeA3.5WeA7WeA7.4WeA7.5ThA4WeA3.5WeA7.6	1674 1560 1800 617 1461 1547 661 783 789 1587 1626 1593 1298 103 0 246 252 0 103 258
Vachon, Celine	FrB4.2FrB1.1FrB7.5ThC2.2FrA6.3FrA8.5ThC8.2ThA4.2ThA4.3FrB1.5FrB2.6FrB2.6FrA2.2WeA7.4WeA7.5WeA7.4WeA7.5ThA4WeA3.5WeA7.6ThC3.3	1674 1560 1800 617 1461 1547 661 783 789 1587 1626 1593 1298 103 0 246 252 0 103 258 627
Vachon, Celine	FrB4.2FrB1.1FrB7.5ThC2.2FrA6.3FrA8.5ThC8.2ThA4.2ThA4.3FrB1.5FrB2.6FrB2.6FrA2.2WeA7.4WeA7.4WeA7.5ThA4WeA7.5ThA4WeA3.5WeA7.6ThC3.3ThB1.2	1674 1560 1800 617 1461 1547 661 783 789 1587 1626 1593 1298 103 0 246 252 0 103 258 627 959
Vachon, Celine Valdez, Rupa S Valdez-Rodríguez, José E Valdivia G, Arturo Valdovinos, Rosa María Vale, Zita Valenza, Gaetano Valle-Cruz, David van der Laan, Sander W van Heerden, Willem S. Vandevelde, Simon Venayagamoorthy, Ganesh Vennekens, Joost Verma, Brijesh Verstoep, Kees	FrB4.2FrB1.1FrB7.5ThC2.2FrA6.3FrA8.5ThC8.2ThA4.2ThA4.3FrB1.6FrB2.6FrB1.6FrA2.2WeA3.5WeA7.4WeA7.5ThA4WeA7.5ThA4WeA3.5ThA4WeA3.5ThA4WeA3.5ThA4WeA3.5ThA4WeA3.5ThA4WeA3.5ThA4WeA3.5ThA4WeA3.5ThA4WeA3.5ThA4WeA3.5ThA4WeA3.5	1674 1560 1800 617 1461 1547 661 783 789 1587 1626 1593 1298 103 0 246 252 0 103 258 627 959 1406
Vachon, Celine	FrB4.2FrB1.1FrB7.5ThC2.2FrA6.3FrA8.5ThC8.2ThA4.2ThA4.3FrB1.5FrB2.6FrB1.6FrA2.2WeA7.5WeA7.4WeA7.5ThA4WeA7.5ThA4WeA7.5ThA4WeA7.6ThC3.3ThB1.2FrA5.1WeA2.4	1674 1560 1800 617 1461 1547 661 783 789 1587 1626 1593 1298 103 0 246 252 0 103 258 627 959 1406 58
Vachon, Celine Valdez, Rupa S Valdez-Rodríguez, José E Valdivia G, Arturo Valdovinos, Rosa María Vale, Zita Valenza, Gaetano Valle-Cruz, David van der Laan, Sander W van Heerden, Willem S. Vandevelde, Simon Venayagamoorthy, Ganesh Vernekens, Joost Verma, Brijesh Verstoep, Kees Vieira, Alex Borges Vilar Dias, João Luiz	FrB4.2FrB1.1FrB7.5ThC2.2FrA6.3FrA8.5ThC8.2ThA4.2ThA4.3FrB1.6FrB2.6FrB1.6FrA2.2WeA3.5WeA7.4WeA7.5ThA4WeA7.5ThA4WeA7.5ThA4WeA3.5ThA4WeA3.5ThA4WeA3.5ThA4WeA3.5ThA4WeA3.5ThC3.3ThB1.2FrA5.1WeA2.4	1674 1560 1800 617 1461 1547 661 783 789 1587 1626 1593 1298 103 0 246 252 0 103 258 627 959 1406 58 613
Vachon, Celine	FrB4.2FrB1.1FrB7.5ThC2.2FrA6.3FrA8.5ThC8.2ThA4.2ThA4.3FrB1.5FrB2.6FrB1.6FrA2.2WeA3.5WeA7.4WeA7.5ThA4WeA7.5ThA4WeA7.6ThC3.3ThB1.2FrA5.1WeA2.4ThC1.3ThB3.6	1674 1560 1800 617 1461 1547 661 783 789 1587 1626 1593 1298 103 246 252 0 103 258 627 959 1406 58 613 1060
V Vachon, Celine	FrB4.2FrB1.1FrB7.5ThC2.2FrA6.3FrA8.5ThC8.2ThA4.2ThA4.3FrB1.5FrB2.6FrB1.6FrB2.6FrA2.2WeA7.4WeA7.5WeA7.4WeA7.5ThA4WeA7.5ThC3.3ThB1.2FrA5.1WeA2.4ThC1.3ThB3.6FrA3.3	1674 1560 1800 617 1461 1547 661 783 789 1587 1626 1593 1298 103 246 252 0 103 258 627 959 1406 58 613 1060 1340
V Vachon, Celine	FrB4.2FrB1.1FrB7.5ThC2.2FrA6.3FrA8.5ThC8.2ThA4.2ThA4.3FrB1.5FrB2.6FrB1.6FrB2.6FrA2.2WeA7.4WeA7.5WeA7.4WeA7.5ThA4WeA7.5ThC3.3ThB1.2FrA5.1WeA2.4ThC1.3ThB3.6FrA3.3ThB3.6	1674 1560 1800 617 1461 1547 661 783 789 1587 1626 1593 1298 103 246 252 0 103 258 627 959 1406 58 613 1060
V Vachon, Celine	FrB4.2FrB1.1FrB7.5ThC2.2FrA6.3FrA8.5ThC8.2ThA4.2ThA4.3FrB1.5FrB2.6FrB1.6FrB2.6FrA2.2WeA7.4WeA7.5WeA7.4WeA7.5ThA4WeA7.5ThC3.3ThB1.2FrA5.1WeA2.4ThC1.3ThB3.6FrA3.3ThB3.6	1674 1560 1800 617 1461 1547 661 783 789 1587 1626 1593 1298 103 246 252 0 103 258 627 959 1406 58 613 1060 1340
V Vachon, Celine	FrB4.2FrB1.1FrB7.5ThC2.2FrA6.3FrA8.5ThC8.2ThA4.2ThA4.3FrB1.5FrB2.6FrB1.6FrB2.6FrA2.2WeA3.5WeA7WeA7.4WeA7.5ThA4WeA7.5ThC3.3ThB1.2FrA5.1WeA2.4ThC1.3ThB3.6FrA3.3ThC8.1FrA3.1	1674 1560 1800 617 1461 1547 661 783 789 1587 1626 1593 1298 103 246 252 O 103 258 627 959 1406 58 613 1060 1340 659
Udluft, Steffen	FrB4.2FrB1.1FrB7.5ThC2.2FrA6.3FrA8.5ThC8.2ThA4.2FrB1.6FrB1.6FrB2.6FrB1.6FrA2.2WeA3.5WeA7.4WeA7.5ThA4WeA7.5ThA4WeA7.6ThC3.3ThB1.2FrA5.1WeA2.4ThC1.3ThB3.6FrA3.3ThC8.1FrA3.1	1674 1560 1800 617 1461 1547 661 783 789 1587 1626 1593 1298 103 0 246 252 0 103 258 627 959 1406 58 613 1060 1340 659 1328
Vachon, Celine	FrB4.2FrB1.1FrB7.5ThC2.2FrA6.3FrA8.5ThC8.2ThA4.2FrB1.6FrB1.6FrB2.6FrB1.6FrA2.2WeA3.5WeA7.4WeA7.5ThA4WeA7.5ThA4WeA7.6ThC3.3ThB1.2FrA5.1WeA2.4ThC1.3ThB3.6FrA3.3ThC8.1FrA3.1	1674 1560 1800 617 1461 1547 661 783 789 1587 1626 1593 1298 103 0 246 252 0 103 258 627 959 1406 58 613 1060 1340 659 1328 1334

Wahby, Mostafa	.WeB5.2	463
Walters, Michael		246
Wan, Lucas		
		908
Wananabe, Takuya		609
Wang, Alan	.FrB1	0
Wang, Chenglong	.WeB5.5	482
Wang, Handing		941
Wang, Hongfeng		470
Wang, Hua		920
	.ThB2.2	998
Wang, Qin	.ThC2.3	619
Wang, Shanxia		1359
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Wang, Shibin		1359
Wang, Wenmin		1747
Wang, Xizhao	.ThC2.3	619
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Wang, Yifei		891
Wang, Yu-Kai		0
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Watanabe, Shinya		611
Watkins, Jason		519
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Weber, Marc	.FrB4.2	1674
Weber, Natalya		1352
Wei, Chun-Shu		64
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Weissl, Oliver	.ThB4.1	1066
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Werner, Daniel	.ThB7.1	1183
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Wilson, Alan	.WeB4.1	413
Wilson, Alan	.WeB4.1 .ThA1.3	413 677
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Wilson, Alan	.WeB4.1 .ThA1.3 .WeA5.3 .WeB4.4 .WeB4.6	413 677 164 433 449
Wilson, Alan	.WeB4.1 .ThA1.3 .WeA5.3 .WeB4.4 .WeB4.6 .FrA7.5	413 677 164 433 449 1503
Wilson, Alan	.WeB4.1 .ThA1.3 .WeA5.3 .WeB4.4 .WeB4.6 .FrA7.5	413 677 164 433 449 1503 902
Wilson, Alan	.WeB4.1 .ThA1.3 .WeA5.3 .WeB4.4 .WeB4.6 .FrA7.5	413 677 164 433 449 1503
Wilson, Alan Woo, Gideon Wu, Chengke Wu, Guotong Wu, Hao Wu, Kai	.WeB4.1 .ThA1.3 .WeA5.3 .WeB4.4 .WeB4.6 .FrA7.5 .ThA7.4	413 677 164 433 449 1503 902
Wilson, Alan Woo, Gideon Wu, Chengke Wu, Guotong Wu, Hao Wu, Kai	.WeB4.1 .ThA1.3 .WeA5.3 .WeB4.4 .WeB4.6 .FrA7.5 .ThA7.4	413 677 164 433 449 1503 902
Wilson, Alan Woo, Gideon Wu, Chengke Wu, Guotong Wu, Hao Wu, Kai X Xia, Heng	.WeB4.1 .ThA1.3 .WeA5.3 .WeB4.4 .WeB4.6 .FrA7.5 .ThA7.4 .ThA8	413 677 164 433 449 1503 902 0
Wilson, Alan Woo, Gideon Wu, Chengke Wu, Guotong Wu, Hao Wu, Kai X Xia, Heng	.WeB4.1 .ThA1.3 .WeA5.3 .WeB4.4 .WeB4.6 .FrA7.5 .ThA7.4 .ThA8	413 677 164 433 449 1503 902 0
Wilson, Alan Woo, Gideon Wu, Chengke Wu, Guotong Wu, Hao Wu, Kai X Xia, Heng Xiao, Qinge	.WeB4.1 .ThA1.3 .WeA5.3 .WeB4.4 .WeB4.6 .FrA7.5 .ThA7.4 .ThA8 .WeA5.4 .WeA5.5 .WeA5.3	413 677 164 433 449 1503 902 0 170 174 164
Wilson, Alan Woo, Gideon Wu, Chengke Wu, Guotong Wu, Hao Wu, Kai X Xia, Heng Xiao, Qinge Xing, Frank	.WeB4.1 .ThA1.3 .WeA5.3 .WeB4.4 .WeB4.6 .FrA7.5 .ThA7.4 .ThA8 .WeA5.4 .WeA5.5 .WeA5.3	413 677 164 433 449 1503 902 0
Wilson, Alan Woo, Gideon Wu, Chengke Wu, Guotong Wu, Hao Wu, Kai X Xia, Heng Xiao, Qinge	.WeB4.1 .ThA1.3 .WeA5.3 .WeB4.4 .WeB4.6 .FrA7.5 .ThA7.4 .ThA8 .WeA5.4 .WeA5.5 .WeA5.3	413 677 164 433 449 1503 902 0 170 174 164 109 603
Wilson, Alan Woo, Gideon Wu, Chengke Wu, Guotong Wu, Hao Wu, Kai X Xia, Heng Xiao, Qinge Xing, Frank	.WeB4.1 .ThA1.3 .WeA5.3 .WeB4.4 .WeB4.6 .FrA7.5 .ThA7.4 .ThA8 .WeA5.4 .WeA5.5 .WeA5.3 .WeA3.6 .WeB8.6	413 677 164 433 449 1503 902 0 170 174 164 109 603
Wilson, Alan Woo, Gideon Wu, Chengke Wu, Guotong Wu, Hao Wu, Kai X Xia, Heng Xiao, Qinge Xing, Frank Xiong, Xihan	.WeB4.1 .ThA1.3 .WeA5.3 .WeB4.4 .WeB4.6 .FrA7.5 .ThA7.4 .ThA8 .WeA5.4 .WeA5.5 .WeA5.3 .WeA3.6 .WeB8.6	413 677 164 433 449 1503 902 0 170 174 164 109 603 1735
Wilson, Alan Woo, Gideon Wu, Chengke Wu, Guotong Wu, Hao Wu, Kai X Xia, Heng Xiao, Qinge Xing, Frank Xiong, Xihan Xu, Baowen	.WeB4.1 .ThA1.3 .WeA5.3 .WeB4.4 .WeB4.6 .FrA7.5 .ThA7.4 .ThA8 .WeA5.4 .WeA5.5 .WeA5.3 .WeA3.6 .WeB8.6 .FrB5.5 .ThA2.4	413 677 164 433 449 1503 902 0 170 174 164 109 603 1735 723
Wilson, Alan Woo, Gideon Wu, Chengke Wu, Guotong Wu, Hao Wu, Kai X Xia, Heng Xiao, Qinge Xing, Frank Xiong, Xihan Xu, Baowen Xu, Danya	.WeB4.1 .ThA1.3 .WeA5.3 .WeB4.4 .WeB4.6 .FrA7.5 .ThA7.4 .ThA8 .WeA5.5 .WeA5.5 .WeA5.3 .WeA5.6 .FrB5.5 .ThA2.4 .WeA1.4	413 677 164 433 449 1503 902 0 170 174 164 109 603 1735 723 19
Wilson, Alan Woo, Gideon Wu, Chengke Wu, Guotong Wu, Hao Wu, Kai X Xia, Heng Xiao, Qinge Xing, Frank Xiong, Xihan Xu, Baowen Xu, Danya Xu, Kexuan	.WeB4.1 .ThA1.3 .WeA5.3 .WeB4.4 .WeB4.6 .FrA7.5 .ThA7.4 .ThA8 .WeA5.5 .WeA5.5 .WeA5.3 .WeA5.5 .WeB8.6 .FrB5.5 .ThA2.4 .WeB1.4	413 677 164 433 449 1503 902 0 170 174 164 109 603 1735 723
Wilson, Alan Woo, Gideon Wu, Chengke Wu, Guotong Wu, Hao Wu, Kai X Xia, Heng Xiao, Qinge Xing, Frank Xiong, Xihan Xu, Baowen Xu, Danya	.WeB4.1 .ThA1.3 .WeA5.3 .WeB4.4 .WeB4.6 .FrA7.5 .ThA7.4 .ThA8 .WeA5.5 .WeA5.5 .WeA5.3 .WeA5.5 .WeB8.6 .FrB5.5 .ThA2.4 .WeB1.4	413 677 164 433 449 1503 902 0 170 174 164 109 603 1735 723 19
Wilson, Alan Woo, Gideon Wu, Chengke Wu, Guotong Wu, Hao Wu, Kai X Xia, Heng Xiao, Qinge Xing, Frank Xiong, Xihan Xu, Baowen Xu, Danya Xu, Kexuan Xu, Xin-Xin	.WeB4.1 .ThA1.3 .WeA5.3 .WeB4.4 .WeB4.6 .FrA7.5 .ThA7.4 .ThA8 .WeA5.5 .WeA5.5 .WeA5.5 .WeA3.6 .WeB8.6 .FrB5.5 .ThA2.4 .WeB5.4 .ThA8.2	413 677 164 433 449 1503 902 0 170 174 164 109 603 1735 723 19 476 920
Wilson, Alan Woo, Gideon Wu, Chengke Wu, Guotong Wu, Hao Wu, Kai X Xia, Heng Xiao, Qinge Xing, Frank Xiong, Xihan Xu, Baowen Xu, Danya Xu, Kexuan Xu, Xin-Xin Xu, Yiteng	.WeB4.1 .ThA1.3 .WeA5.3 .WeB4.4 .WeB4.6 .FrA7.5 .ThA7.4 .ThA8 .WeA5.5 .WeA5.5 .WeA5.3 .WeA5.3 .WeB8.6 .FrB5.5 .ThA2.4 .WeB5.4 .ThA8.2	413 677 164 433 449 1503 902 0 170 174 164 109 603 1735 723 19 476 920 941
Wilson, Alan Woo, Gideon Wu, Chengke Wu, Guotong Wu, Hao Wu, Kai X Xia, Heng Xiao, Qinge Xing, Frank Xiong, Xihan Xu, Baowen Xu, Danya Xu, Kexuan Xu, Xin-Xin Xu, Yiteng XUE, Bing	.WeB4.1 .ThA1.3 .WeA5.3 .WeB4.4 .WeB4.6 .FrA7.5 .ThA7.4 .ThA8 .WeA5.5 .WeA5.5 .WeA5.3 .WeA5.3 .WeB8.6 .FrB5.5 .ThA2.4 .WeB5.4 .ThA8.2	413 677 164 433 449 1503 902 0 170 174 164 109 603 1735 723 19 476 920
Wilson, Alan Woo, Gideon Wu, Chengke Wu, Guotong Wu, Hao Wu, Kai X Xia, Heng Xiao, Qinge Xing, Frank Xiong, Xihan Xu, Baowen Xu, Danya Xu, Kexuan Xu, Xin-Xin Xu, Yiteng XUE, Bing Y	.WeB4.1 .ThA1.3 .WeA5.3 .WeB4.4 .WeB4.6 .FrA7.5 .ThA7.4 .ThA8 .WeA5.5 .WeA5.5 .WeA5.3 .WeA3.6 .FrB5.5 .ThA2.4 .WeB5.4 .ThA8.2 .ThA8.5 .ThA8.5	413 677 164 433 449 1503 902 0 170 174 164 109 603 1735 723 19 476 920 941 0
Wilson, Alan Woo, Gideon Wu, Chengke Wu, Guotong Wu, Hao Wu, Kai X Xia, Heng Xiao, Qinge Xing, Frank Xiong, Xihan Xu, Baowen Xu, Danya Xu, Kexuan Xu, Xin-Xin Xu, Yiteng XUE, Bing Y Yagi, Isao	.WeB4.1 .ThA1.3 .WeA5.3 .WeB4.4 .WeB4.6 .FrA7.5 .ThA7.4 .ThA8 .WeA5.5 .WeA5.5 .WeA5.3 .WeA5.3 .WeA5.5 .ThB5.5 .ThA2.4 .WeB5.4 .ThA8.2 .ThA8.2 .ThA8.5 .ThB5	413 677 164 433 449 1503 902 0 170 174 164 109 603 1735 723 19 476 920 941
Wilson, Alan Woo, Gideon Wu, Chengke Wu, Guotong Wu, Hao Wu, Kai X Xia, Heng Xiao, Qinge Xing, Frank Xiong, Xihan Xu, Baowen Xu, Danya Xu, Kexuan Xu, Xin-Xin Xu, Yiteng XUE, Bing Y	.WeB4.1 .ThA1.3 .WeA5.3 .WeB4.4 .WeB4.6 .FrA7.5 .ThA7.4 .ThA8 .WeA5.5 .WeA5.5 .WeA5.3 .WeA5.3 .WeA5.5 .ThB5.5 .ThA2.4 .WeB5.4 .ThA8.2 .ThA8.2 .ThA8.5 .ThB5	413 677 164 433 449 1503 902 0 170 174 164 109 603 1735 723 19 476 920 941 0
Wilson, Alan Woo, Gideon Wu, Chengke Wu, Guotong Wu, Hao Wu, Kai X Xia, Heng Xiao, Qinge Xing, Frank Xiong, Xihan Xu, Baowen Xu, Danya Xu, Kexuan Xu, Xin-Xin Xu, Yiteng XUE, Bing Y Yagi, Isao Yaman, Anil	.WeB4.1 .ThA1.3 .WeA5.3 .WeB4.4 .WeB4.6 .FrA7.5 .ThA7.4 .ThA8 .WeA5.5 .WeA5.5 .WeA5.3 .WeA3.6 .WeB8.6 .FrB5.5 .ThA2.4 .WeB5.4 .ThA8.2 .ThA8.5 .ThB5.4	413 677 164 433 449 1503 902 0 170 174 164 109 603 1735 723 19 476 920 941 0
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IMPORTANT DATES

15 November 2023

Special Session & Workshop Proposals Deadline

15 December 2023

Competition & Tutorial Proposals Deadline

15 January 2024

Paper Submission Deadline

15 March 2024

Paper Acceptance Notification

1 May 2024

Final Paper Submission & Early Registration Deadline

30 June - 5 July 2024

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