



CALL for PAPERS - NAECON 2021 August 16-19, 2021

Abstracts Due: May 14, 2021 Full Paper Due: September 30, 2021

Submission Details: attend.ieee.org/naecon-2021

The 2021 IEEE National Aerospace and Electronics Conference (NAECON) will be conducted virtually, as per IEEE HQ conference guidelines.



NAECON is the oldest and premier IEEE Conference presenting research in all aspects of theory, design, and applications of aerospace systems and sensors.

Sponsored by: IEEE Dayton Section and University of Dayton

Supported by: Air Force Institute of Technology, Wright State University, The Ohio State University, IEEE Circuits & Systems Society (CAS), and IEEE Aerospace & Electronics Systems Society (AESS)

NAECON 2021 Sessions and Call for Papers for 16-19 August, 2021:

AES Focused Sessions:

- **Aerospace Power Systems and Power Electronics** (Chairs: Roshan Kini, Pacific Northwest National Laboratory, Bang Tsao, University of Dayton Research Institute, and Dong Cao, University of Dayton)
- **Autonomous Systems** (Chairs: Todd Jenkins, Air Force Research Laboratory, Chris Stewart, Ohio State University)
- **Integrated Photonics** (Chairs: Nicholaos Limberopoulos, Air Force Research Laboratory, Paul McManamon, University of Dayton)
- **Radar, Tomography and RF sensing** (Chairs: Brian Rigling, Wright State University, Andrew Bogle, University of Dayton)
- **Machine Learning, Guidance and Control** (Chairs: Trevor Bihl, Air Force Research Laboratory, Tim Machin, Air Force Institute of Technology)
- **Terahertz and Millimeter Wave Devices** (Chairs: Elliott Brown, Wright State University, Kubilay Sertel, The Ohio State University)
- **Trusted Systems** (Chairs: Randy Geiger, Iowa State University, Nicholas Kovach, Air Force Research Laboratory)
- **Cyber Systems** (Chairs: Ken Hopkinson, Air Force Institute of Technology, Rob Williams, Discovery Lab)

CAS Focused Sessions:

- **Low SWaP Sensor Processing** (Chairs: Marc Hoffman, Stefan Westberg, Air Force Research Laboratory)
- **Emerging Electronics and Microsystems** (Chairs: Rashmi Jha, University of Cincinnati, Vamsy Chodavarapu, University of Dayton)
- **Digital Signal and Image Processing** (Chairs: Bradley Ratliff, University of Dayton, Barath Narayanan, University of Dayton Research Institute)
- **Deep Learning and Artificial Intelligence** (Chairs: Anca Ralescu, University of Cincinnati, Tem Kebede, Air Force Research Laboratory)
- **Quantum Enabling Technologies and Complex RF Signal Processing** (Chairs: Charles Cerny, Air Force Research Laboratory, LtC James Sattler, Air Force Institute of Technology)
- **Sensor Fusion** (Chairs: Erik Blasch, Air Force Office of Scientific Research, Jia Li, Oakland University)

NAECON Early Full Registration (Before July 30, 2021)- Cost includes CD Proceedings (mailed 6 months after the conference) and Tutorials. Authors: IEEE Member \$350, IEEE Student \$200 - Non-IEEE Member \$400, Non-IEEE Student \$250, Non-authors: IEEE Member \$25, Non-IEEE \$50



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SUBMISSION PROCEDURES FOR AUTHORS

Prospective authors are invited to submit a 50-word abstract and a 1000-word summary of their paper for consideration. All submissions will be considered by the technical program committee. All accepted submissions, require a full author registration. An author will be allowed to register for one paper only with his/her main registration. Note: All authors need to have full registration to attend and present a paper, even if another coauthor has registered a shared paper as an additional submission. Submission is in electronic form via the website. Acceptable format is: PDF (IEEE Xplore compatible PDF). Accepted papers will be published in the conference proceedings, subject to advance registration of at least one of the listed authors, and presentation of the papers. Papers should identify the "Subject Area" and include information about the contact author (name, mailing address, phone, and email). Authors should obtain company and government clearances prior to submission of papers. IEEE copyright release forms are required with the final camera-ready paper. All papers will be reviewed by the Program Committee. They will be judged with respect to their quality, originality, and relevance. Nominations will be solicited for the D.W. Repperger Best Paper Award (POC: Dr. Robert Ewing). The best student paper will be selected, and a Best Student Paper Award conferred.

Full submission details will be available on the conference website NLT 30 April:
<https://attend.ieee.org/naecon-2021>

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