**Mini-Symposium on key technologies and applications of** **cyber energy systems oriented to new-type urbans**

**Description**

China is experiencing the largest urbanization process in the world history. The new-type urban possesses basic characteristics as urban-rural balance, urban-rural integration, production-city interaction, intensive conservation, ecological livability and harmonious development.

As an important support to promote the development of new-type urban and the transformation to clean energy structure, the cyber energy system is a kind of specific form of the energy internet technology, which will combine the new generation information technology, internet technology with the production, transmission, storage, consumption, and energy markets of the urban energy.

The cyber energy systems oriented to new-type urbans have the typical characteristics of strong energy-information coupling, multiple energy interactions, complex energy transaction modes, and deep participation of multiple stakeholders. These characteristics will bring new challenges to the related coordinated planning, optimization operation, energy transaction, and comprehensive evaluation.

This symposium focuses on the key scopes of cyber energy systems oriented to new-type urbans, including architecture and form, fusion modeling, coordinated planning, situation awareness, security and reliability analysis, operation optimization, transaction mode and cyber support technology, technology and economic evaluation theory and method. The advanced achievements, latest developments and future development directions under the deep integration of “information-energy-market” will be discussed together.

**Time**

May 21, 2019, 14:00-16:00

**Organizer**

*Yanli Liu,* Tianjin University, liuyanli\_linda@163.com

*Can Wan*, Zhejiang University, canwan@zju.edu.cn

**Invited Guests and Attendances (TBD, will be updated soon)**

Yuping Zheng (NARI Technology Co., Ltd., China)

Wei-Jen Lee (The University of Texas at Arlington)

Jianhui Wang (Sothern Methodist University)

Dong Liu (Shanghai Jiaotong University)

Qi Huang (University of Electronic Science and Technology of China)

Jianxue Wang (Xi’an Jiaotong Univeristy)

Can Wan (Zhejiang University)

**Draft Schedule (will be finalized soon)**

|  |  |
| --- | --- |
| Time | Content arrangement |
| 14:00-14:05 | Opening remark |
| 14:05-14:40 | Introductions of the progress on related national R&D Researches  |
| 14:40-15:20 | Invited Speeches |
| 15:20-15:50 | Discussion |
| 15:50-16:00 | Concluding speech |