

The First IEEE International Workshop on Management, Measurement, Data Transmission

The First IEEE International Workshop on Management, Measurement, and Data Transmission of IoT (MMDT) will be organized in conjunction with 39th IEEE IPCCC on November 6th-8th, 2020. Internet of Things (IoT) will play an important role in the near future. The management, measurement, and data transmission of IoT are key aspects in IoT related research. The 1th IEEE Workshop on management, measurement, data transmission of IoT is focused on the management, measurement, and data transmission of IoT. The workshop's scope ranges from IoT network management to IoT protocol analysis. The workshop will bring together researchers from IoT management, communication and analysis. Papers on practical as well as on theoretical topics and problems related to IoT are invited, with special emphasis on novel techniques and tools to manage, measure IoT network. We invite submissions in a wide range of IoT management, including but not limited to:

- IoT network management.
- IoT network measurement.
- IoT resource allocation and management.
- IoT network control and management
- Advanced techniques on IoT data exchange.
- IoT nodes cooperative communication.
- Data transmission Via MQTT protocol.
- Power control and management.
- Attack detection, traceback, and attribution in MQTT.
- Methods for reconstruction of MQTT nodes.
- Vulnerability & threat detection for MQTT nodes.
- Topology control and management.
- Novel large-scale IoT nodes measurement.
- Tools and services for IoT management.
- Machine-to-Machine Communication and IoT.
- IoT data Management.
- Power control and management.
- IoT data protocols.
- Data collection, processing, aggregation, and communication.

Important Dates:

- Paper submission deadline: August 24, 2020.
- Author notification: September 15, 2020.
- Camera ready due: September 25, 2020.
- Workshop date: November 6-8, 2020.

General Co-Chairs:

- Peng Liu (Pennsylvania State University, University Park, USA)
- Jiahai Yang (Tsinghua University, China)
- Fu Chen, (Central University of Finance and Economics, China)

Organizing Committee:

- Bo Cheng (Beijing Univ. of Posts and Telecommunications, China)
- Shengzhi Zhang (Boston University MET College, USA)
- Hongbin Luo (Beihang University, China)
- Hongtao Guan (Institute of Computing Technology, Chinese Academy of Sciences, China)
- Nengfu Xie (Agricultural Information Institute of Caas, China)

Technical Program Committee:

- Bo Chen (Michigan Technological University, USA).
- Shizhan Chen (Tianjin University, China)
- Wenlong Chen (Capital Normal University, China)
- Yueping Cai, (Chongqing University, China)
- Shuiguang Deng (Zhejiang University, China)
- Dan Fan (Central University of Finance and Economics, China)
- Weiyu Guo (Central University of Finance and Economics, China)
- Jiwei Huang (China University of Petroleum, China)
- Xiaohong Huang (Beijing University of Posts and Telecommunications, China)
- Rongheng Lin (Beijing University of Posts and Telecommunications, China)
- Weiping Li (Peking University, China)
- Tao Lin (Amazon. USA)
- Bo Luo (The University of Kansas, USA)
- Zhen Liu (Beijing Jiaotong University, China)
- Yutao Ma (Wuhan University, China)
- Guangjun Shi (Computer Network Information Center, Chinese Academy of Sciences, China)
- En Wang (Jilin University, China)
- Puwei Wang (Renmin University of China, China)
- Hui Wang (Tsinghua University, China)
- Chunhe Xia (Beihang University, China)
- Changbing Zhou (China University of Geosciences, China)
- Zijian Zhang (Beijing Institute of Technology, China)

Proceedings

Workshop papers will be published in the same set of proceedings as the main conference, and available on IEEE Xplore.

Submission Procedure:

Paper submissions should be formatted according to the IEEE standard double-column format with a font size of 10 pt or larger with a maximum of 6 pages for workshop papers. Please refer to the IEEE formatting instruction for details:

http://www.ieee.org/conferences_events/conferences/publishing/templates.html.

All papers should be submitted through EDAS:

<https://www.edas.info/newPaper.php?c=27710&track=103671>

COVID-19 STATEMENT

The safety and well-being of all conference participants is our priority. After evaluating the current COVID-19 situation, the decision has been made to transform the in-person component of IPCCC into an all-digital, virtual conference experience – IPCCC 2020 will now be an online event. Therefore, IPCCC will no longer take place in Austin, Texas and will instead take place virtually. The conference dates remain the same – November 6th - 8th, 2020. Proceedings will not be cancelled, and publications will continue as planned. All authors will present their work remotely at the virtual conference. For questions, please contact the program chairs.