The Third International Workshop on Management, Measurement, and Data Transmission of IoT (MMDT)

The Second IEEE International Workshop on Management, Measurement, and Data Transmission of IoT (MMDT) will be organized in conjunction with 41th IEEE IPCCC held in Austin, Texas, USA, November 11--13, 2022. 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.
- Deep learning research in IoT.
- 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.
- IoT data protocols.
- Data collection, processing, aggregation, and communication.

Important Dates:

- Paper submission deadline: July 15, 2022.
- Author notification: August 1, 2022.
- Camera ready due: August 15, 2022.
- Workshop date: November 13, 2022.

General Co-Chairs:

- Jiahai Yang (Tsinghua University, China)
- Fu Chen, (Central University of Finance and Economics, China)
- Tao Lin (Amazon. USA)

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)
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- Xiaohong Huang (Beijing University of Posts and Telecommunications, China)
- Rongheng Lin (Beijing University of Posts and Telecommunications, China)
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- 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

The workshops will be an integral part of IPCCC 2022 and will be fully incorporated into its logistical and budget planning process. Workshop papers will be published in the same set of proceedings as the main conference, and available on IEEE Xplore. At least one author of each accepted paper is required to register at the full registration rate and needs to present the paper at the workshop. No-show workshop papers will be excluded from the conference proceedings.

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://edas.info/N29290.

COVID-19 Statement

We are closely monitoring the COVID-19 pandemic and the guidelines from IEEE, WHO and US/Texas/Austin CDC. Currently, we intend to host IEEE IPCCC 2022 in person, but will provide flexible presentation and attendance options to authors under travel restrictions such as remote virtual presentations. All presented papers will be included in the conference proceedings and published in IEEE Xplore.