IoT-SNAP2021

IoT Enabling Sensing/Network/AI and Photonics Conference 2021

Call for Papers

IoT Enabling Sensing/Network/AI and Photonics Conference 2021
Virtual Conference

Date: 20 (Tue.) – 22 (Thu.) April 2021

Co-located with Optics and Photonics International Congress 2021

OPIC

Conference Chair:

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Sponsored by The Graduate School for the Creation of New Photonics Industries

Scope:

The Internet of Things (IoT) smart objects on the planet are predicted to reach 200 billion entities by 2020, and by 2022 M2M traffic is expected to constitute almost a half of the whole Internet traffic. IoT offers a great market opportunity both for sensor device and M2M communication platformer as well as Over-The-Top (OTT) players or the application platformers.

This IoT conference covers multiple aspects, including core technologies of IoT, applications and use cases, and photonic technologies. See the more details of the three categories as follows.

The participants from various sectors over the world, including the industries and academia can expect to hear the cutting-edge technology of IoT as well as the novel use cases and exchange opinions on the IoT perspectives.

Category 1
Core Technologies for Sensing/Network/AI

- Cyber physical systems
- IoT wired/wireless networks
- Beyond 5G/6G
- AI/machine learning
- Big data analytics/science
- Mobile edge computing
- Image processing
- Connected sensor systems
- Compressive sensing
- Others

Category 2
Applications and use cases

- Prevention and control for pandemics, COVID-19
- Healthcare and biomedical applications
- Smart city
- Smart mobility/MaaS
- Precision/smart agriculture
- Smart factory
- Smart civil engineering, construction and monitoring
- xR (VR/AR/MR) applications
- Field trial and social implementation
- Others

Category 3
Photonics Technologies

- Sensor/fiber sensor
- Imaging/image sensor
- Virus/biomedical sensor
- LiDAR
- Active and passive devices
- Integrated photonics
- Metasurface devices
- Terahertz
- Robotics
- Optical interconnect
- Visual light communications
- Underwater applications
- Others

Extended submission deadline: 21 January, 2021

http://iot-snap.opicon.jp/