

IPSN 2020
APRIL 21-24, 2020
SYDNEY, AUSTRALIA

THE 19TH ACM/IEEE INTERNATIONAL CONFERENCE ON
INFORMATION PROCESSING IN SENSOR NETWORKS
[HTTPS://IPSN.ACM.ORG/2020](https://ipsn.acm.org/2020)



IPSN is the leading annual forum on research at the intersection of networked embedded sensing, control, and systems design, and has been at the forefront of the development of today's "smart" systems. IPSN brings together researchers across theoretical and experimental research on all aspects of networked systems of sensors and actuators. Of special interest are contributions at the confluence of multiple areas. IPSN 2020 continues its co-location with CPS-IoT WEEK, the premier venue for research and development of cyber-physical systems. IPSN is co-sponsored by both the ACM and IEEE, and emphasizes research that bridges multiple research communities. Topics of interest include, but are not limited to:

- Sensor data storage, retrieval, processing
- Coding, compression, & information theory
- Theoretical foundations & bounds
- Network & system architecture & protocols
- IoT gateway platform arch. & services
- Outdoor, wide-area, or crowdsourced sensing systems
- Localization, synchronization, RFID, and RF sensing
- Programming models, languages, & systems
- Programming models for IoT ensembles
- Modeling, simulation & measurement tools
- Operating systems & runtime environments
- Appls. in health, wellness & sustainability
- Appls. in smart cities and urban health
- Experiences, challenges, comparisons
- Discovery, coordination, & IoT services
- Security and privacy
- IoT reliability, adaptability, & dependability
- Technical assessment of IoT standards
- Wearable systems & data processing algs.
- Sensor-enabled drone / autonomous vehicle platforms and algorithms
- Machine & deep learning on sensor data
- New hardware and system design to enable machine learning on sensor data
- Novel embedded ML algorithms
- Data issues: methods, tools, & analysis
- Fairness, equity, & transparency issues in IoT and CPS
- Computer vision for resource-constrained & mobile platforms

In addition to the *Best Paper Award*, IPSN 2020 will also have a *Best Research Artifact Award*, given to the authors who have contributed the research artifact (such as code, data sets, and tools). Submissions are double-blind, 12 pages including references in ACM master format.



Abstract Registration:	16 October 2019
Paper Submission Deadline:	23 October 2019
Acceptance Notification:	10 January 2020
Camera-Ready Deadline:	16 February 2020

