

ACM Sensys 2018

Nov 4 - 7

Shenzhen, China



Call for Papers

The ACM Conference on Embedded Networked Sensor Systems (SenSys 2018) is the premier computer systems conference focused on the architecture, design, implementation, and performance of networked sensing systems, sensor-oriented data modeling and analytics, in addition to sensor-enabled applications. ACM SenSys brings together academic, industry, and government professionals to a single-track, highly selective forum, that takes a broad view on the areas of computing that are relevant to the future of sensor systems. Topics of interests include, but are not limited to, the following:

- New platforms and hardware designs for networked sensor systems.
- Systems software, including operating systems and network stacks
- Low power operation, energy harvesting, and energy management
- Applications, and deployment experiences
- Resource-efficient machine learning for embedded and mobile platforms
- Wireless media access control, network, and transport-layer protocol designs
- New communication paradigms for ubiquitous connectivity
- Innovations in learning algorithms and models for sensor perception and understanding
- Mobile and pervasive systems
- System services such as time and location estimation
- Data management and analytics, including quality, integrity, and trustworthiness
- Learning, adaptation, and autonomy in cyber-physical systems
- Heterogeneous collaborative sensing, including human-robot sensor systems
- Fault-tolerance, reliability, and verification
- Security and privacy in sensor-enabled applications and systems

We invite technical papers describing original ideas, ground-breaking results, and real-world experiences involving innovative sensor systems. Successful submissions will explain why the topic is relevant to a vision of the future of sensing systems. Submissions will be judged on originality, significance, clarity, relevance, and correctness. This year up to a limit of eighteen best papers in the ACM SenSys proceedings will be selected into the ACM Transactions on Sensor Networks with minor revision, upon authors' agreement.

Important Dates

- Paper Registration and Abstract: April 1, 2018
- Paper Submission Deadline: April 8, 2018
- Notification of Paper Acceptance: July 20, 2018
- Camera-Ready Deadline: Sept 20, 2018

Organization

- Lin Zhang (General co-chair)
- Pei Zhang (General co-chair)
- Tian He (TPC co-chair)
- Nic Lane (TPC co-chair)