

ACM SenSys 2019

New York, USA

November 10-13



Call for Papers

The ACM Conference on Embedded Networked Sensor Systems (SenSys 2019) is the premier computer systems conference focused on the architecture, design, implementation, and performance of networked sensing systems, sensor-oriented data modeling and analytics, and 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 relevant to the future of networked embedded sensor systems. Topics of interests include, but are not limited to, the following:

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

We invite technical papers describing original ideas, groundbreaking results, and real-world experiences involving innovative networked embedded 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.

Important Dates

- Paper registration and abstract: April 5, 2019
- Paper submission: April 12, 2019
- Notification of paper acceptance: July 23, 2019
- Camera-ready submission: September 20, 2019

Organization

- *General chair*: Raghu K. Ganti (IBM Research, USA)
- *General chair*: Xiaofan Jiang (Columbia Univ., USA)
- *TPC chair*: Gian Pietro Picco (Univ. of Trento, Italy)
- *TPC chair*: Xia Zhou (Dartmouth College, USA)