

## IEEE INTERNATIONAL CONFERENCE ON PERVASIVE COMPUTING AND COMMUNICATIONS

### PerCom 2027 - Call for Papers

The 25th IEEE PerCom will be held in Goa, India, in March 2027 as an in-person physical event. PerCom is the premier annual scholarly venue in pervasive computing and communications. PerCom 2027 solicits research contributions in all areas pertinent to pervasive computing and communications, especially those that cross traditional research boundaries:

**Advances in pervasive systems and infrastructures:** middleware systems and services; data engineering for pervasive computing; cloud, fog and edge computing; integrations of smartphones in pervasive experiences; applications of device-to-device coordination,

**Foundational theory and modeling for pervasive computing:** context modeling & reasoning; programming paradigms, spatio-temporal modeling techniques, complex networks, adaptive computing,

**Technological innovations:** architectures, protocols, and technologies for pervasive communications; energy-harvesting, self-powered, or battery-less systems; mobile and wearable systems; smart devices and environments; positioning, navigation, timing, and tracking technologies; and device-free human sensing,

**Domain-specific challenges and novel applications:** activity and emotion recognition; urban/mobile crowdsensing & intelligence; pervasive healthcare and well-being; pervasive cyber-physical systems; smart homes and pervasive virtual assistants; sports analytics; pervasive nowcasting; service robotics; pervasive AR/VR; smart vehicles; disaster sensing and management,

**New techniques for user-level interaction:** participatory and social sensing; fairness; user interface, interaction, and persuasion; online and offline social networking; human-machine collaboration,

**Enablers for actual Pervasive computing instrumentations:** Pervasive security, privacy and trust; Ethical aspects of Pervasive Computing,

**Intersections of PerCom with:** IoT and sensor systems; AI methods and models; opportunistic networks; pervasive data science; cyber-physical systems; 3D networks; green networking.

We welcome analytical, empirical, technological, methodological contributions. Strong systems engineering contributions backed by solid and appropriate evaluations are encouraged. Impact should be demonstrated in the context of pervasive computing and communications applications. Accepted papers must be presented in person by one of the authors.

### Organizing Committee

#### General Co-Chairs

Jiannong Cao, *HKPU, Hong Kong*  
Sandip Chakraborty, *IIT KGP, IN*

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#### Workshop Chairs

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### Two presentation modes

**Spotlight:** A brief oral presentation followed by a poster session.

**Interactive:** A longer oral presentation followed by a poster session, enabling more in-depth discussion.

### Best Paper Award

IEEE PerCom awards the prestigious **Mark Weiser Best Paper Award**

### Workshops and Events

PerCom features quality workshops on focused topics. We also welcome contributions to the PhD Forum, Work In Progress Posters, live Demos and an N2Women event.

### Submission Information

Paper registration: Sep 4, 2026 AoE  
Paper submission: Sep 11 2026 AoE  
1st stage notification: Nov 20, 2026  
Rebuttal submission: Nov 27, 2026  
Final notification: Dec 18, 2026  
Camera ready: Feb. 2027