

IPTComm 2019

Principles, Systems and Applications of IP Telecommunications

October 14–16, 2019 / Chicago, IL, USA

Call for Papers

IPTComm brings together researchers from academia, industry and government to advance real-time IP communications. We invite paper submissions describing theoretical results, experiments, innovative systems, prototyping efforts, and case studies. The conference addresses current topics such as programmable network services, internet of things, and machine learning in interactive communications, with focus on reliability, security, privacy, performance and scalability. IPTComm 2019 is sponsored by the IEEE Chicago section. Accepted papers will be published in IEEE Xplore. The topics include but are not limited to:

Emerging Technologies and Applications	Management and Resiliency
<ul style="list-style-type: none">• Programmable networks and edge computing• WebRTC and cloud-based IP communications• Augmented Reality and Virtual Reality• 5G Networks: applications and research issues• Public safety applications and NG 9-1-1• Communication applications in industries (e.g., finance, energy, healthcare, education)	<ul style="list-style-type: none">• Scaling, monitoring and management• Benchmarking• Quality of Experience (QoE)• Network Function Virtualization (NFV) and Service Defined Networks (SDN)• Autonomous Network Management
Security in IP Communications	Machine Learning in IP Communications
<ul style="list-style-type: none">• Identity management and privacy• Blockchains in communications• Middlebox challenges• Intrusion detection and prevention• Forensics and diagnostics• Autonomous security operations	<ul style="list-style-type: none">• Context-based chatbots, voice assistants, etc.• Machine Learning, Natural Language Processing (NLP), and Computer Vision (CV) models for communications analysis (Chats, Audio calls, Video feeds, etc.)• Operational analytics• Autonomous workflow management

Submission Guidelines

- All paper submission will be done via EDAS - <https://edas.info/N25823>
- Regular papers are limited to 8 pages in IEEE double-column format. All submissions should follow the guidelines available at [IEEE website](#).
- Work-in-progress papers should have no more than 4 pages in IEEE double-column format, including figures, references and appendices. Work-in-progress papers must include 'Work in progress' in the title.

Important Dates

Paper submission deadline: **Monday, July 01, 2019, 18:00 EDT**

Notification to authors: **Monday, August 05, 2019, 18:00 EDT**

Final camera-ready submission: **Monday, September 16, 2019, 18:00 EDT**

Additional details can be found on the conference website, <http://iptcomm.org>. If you have any questions about conference or paper submissions please contact the TPC chairs tpc@iptcomm.org