

IPTComm 2020

Principles, Systems and Applications of IP Telecommunications

October 13–14, 2020 // Virtual Conference

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.

The list of topics for IPTComm includes but is not limited to:

Emerging technologies	Management and resilience for IP communications
<ul style="list-style-type: none">• Programmable networks and edge computing• WebRTC and cloud-based IP communications• Augmented and virtual reality applications• Public safety applications and next generation 9-1-1• 5G networks: proof of concepts and research issues• Communication applications (e.g., finance, energy, healthcare, education, transportation)	<ul style="list-style-type: none">• Scaling, monitoring and management• Benchmarking• Quality of Experience (QoE)• Network Function Virtualization (NFV) and Service Function Chaining (SFC)• 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	<ul style="list-style-type: none">• Implementation of natural language engines• Conversational AI frameworks• Scalable pipelines in natural language understanding, learning, and processing• Voice biometrics and authentication• Best practices for the collection, generation, and annotation of voice data

Submission Guidelines

- Papers should be uploaded to EDAS - <https://edas.info/N27261>
- Regular papers are limited to 8 pages, work-in-progress papers to 4-6 pages.
- Page limits include figures, references and appendices. All submissions should be double-column and follow the guidelines available at [IEEE website](#).
- Work-in-progress papers must include 'Work in progress' in the title.

Important Dates

Paper submission deadline: Monday, August 31, 2020, 18:00 EDT

Notification to authors: Monday, September 21, 2020, 18:00 EDT

Final camera-ready submission: Monday, October 26, 2020, 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