

# IPTComm 2021 - Principles, Systems and Applications of IP Telecommunications

## October 13, 2021

### Call for Papers

The 14th IPTComm international conference invites paper submissions in the area of real-time communications describing architecture design, theoretical results, experiments, innovative systems, prototyping efforts, and case studies. The IPTComm conference brings together researchers from academia, industry, and government to advance real-time IP communications. It addresses current topics such as programmable network services, internet of things, confidential computing, 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
<ul style="list-style-type: none"><li>• Programmable networks and edge computing</li><li>• 5G/6G Networks: applications and research</li><li>• Autonomous transportation</li><li>• Augmented and virtual reality</li><li>• Application Innovation (e.g., public safety, finance, energy, healthcare, education sectors)</li><li>• Privacy-aware computation</li></ul>	<ul style="list-style-type: none"><li>• Scaling, monitoring, and management</li><li>• Reliability engineering</li><li>• Performance benchmarking</li><li>• Quality of Experience (QoE)</li><li>• Network Function Virtualization (NFV) and Service Function Chaining (SFC)</li><li>• Autonomous network management</li></ul>
Security & Privacy	AI/ML in IP Communications
<ul style="list-style-type: none"><li>• Identity management and privacy</li><li>• IoT Security and Privacy models</li><li>• Intrusion detection and prevention</li><li>• Confidential Computing</li><li>• Autonomous security testing models</li><li>• Blockchains in communications</li><li>• Disinformation: challenges and models</li></ul>	<ul style="list-style-type: none"><li>• Natural language engines: Optimization &amp; Explanation</li><li>• Voice/Video biometrics and authentication</li><li>• Best practices for the collection, generation, and annotation of text/voice/video data</li><li>• ML Operations</li><li>• Conversational AI frameworks</li></ul>

The IPTComm conference will be held on October 13, 2021 as a track within the Real Time Communications Conference and Expo, an IEEE International Conference, sponsored by the Chicago Section of the IEEE. Papers that are accepted and presented at the conference will be submitted for publication in IEEE Xplore.

#### Submission Guidelines

- Papers should be uploaded to EDAS - <https://edas.info/N28222>
- 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, July 19, 2021, 18:00 EDT

Notification to authors: Monday, August 30, 2021, 18:00 EDT

Final camera-ready submission: Monday, October 4, 2021, 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](mailto:tpc@iptcomm.org)