**Call for Papers**

COVID-19 Update / Hybrid Conference Format: Authors and participants can attend the conference in person or remotely.

The LATINCOM 2021 Organizing Committee is inviting submissions of original, unpublished, high-quality research papers focused on (but not limited to) the following topics of interest:

- **Mobile and Wireless Networking**
  - Cellular systems, 4G/5G/6G/7G
  - Cognitive radio networking
  - Device-to-device/machine-to-machine communications
  - Green wireless networking
  - Large-scale LED satellite networking
  - Opportunistic wireless networks
  - Pervasive and wearable computing and networking
  - Reconfigurable wireless networks
  - Software-defined wireless networks
  - Underwater wireless networks
  - Vehicular networks
  - UDN
  - Wireless networking virtualization
  - Wireless multimedia networks
  - WLAN, WPAN, and other home/personal networking technologies
  - Wireless networking techniques based on AI

- **Communication Services, Software and Multimedias Applications**
  - Cooperative networking for streaming media content
  - E-health, E-governance, E-agriculture, etc.
  - High quality service provisioning for multimedia applications
  - Location-based services
  - ML techniques for video delivery and service
  - ML techniques for multimedia content analysis
  - Multimedia cloud, streaming, multicast and broadcast services
  - Multimedia topology computation and communication
  - QoE and QoS

- **Quality-oriented routing algorithms**
  - Real time communication services
  - Service orchestration and management
  - Security services and privacy
  - Triple and quaduple play services

- **Communication QoS, Reliability and Performance Modeling**
  - Networks and communication systems modeling
  - Networks and communications performance evaluation
  - Reliability of systems and networks
  - Traffic measurement, modeling, visualization, and engineering
  - Security and trust in network design
  - Integration aspects in IoT and Big Data systems
  - Design of cloud, edge and other distributed computing systems
  - QoS and network efficiency

- **Optical Networks**
  - AI and ML for optical networks
  - Big data driven optical networking
  - Elastic, flexible rate and flex-grid optical networks
  - Free-space optical networks
  - Optical network control and management
  - Optical network survivability and availability
  - Optical vehicular networks
  - Optical and wireless convergence
  - Routing and spectrum assignment for optical networks
  - Software defined optical networks
  - Ultrafast communications and networks
  - Underwater optical communications
  - Virtualization and slicing in optical networks
  - Visible light communications

- **Communications Theory & Signal Processing**
  - Communication theory of ad-hoc and sensor networks
  - Communication theory of distributed and edge computing
  - Communication theory of networks and cross-layer design
  - Multi-antenna, multi-carrier and multi-node systems
  - Radio communications
  - Satellite & space communications
  - Signal processing techniques in 5G/6G/7G
  - Signal processing for QoS and QoE based applications
  - Signal processing for smart grid and green communications
  - Signal processing for sensor networks and IoT
  - Signal processing for software defined and cognitive radio
  - Signal processing for power line communications
  - Signal processing for millimeter and terahertz communications
  - Theoretical aspects of blockchain and ML in networks

- **Next-generation Networking and Internet**
  - 5G/6G/7G architecture
  - Blockchain in next generation communications and networks
  - Content-centric networking
  - Centralized-RAN and Cloud-RAN architectures
  - Future Internet and next-generation networking architectures
  - High speed architectures for next generation routers/switches
  - Management of service-oriented control plane in 5G/6G
  - Network functions virtualization
  - Next-generation access networks
  - Next-generation anomaly-intrusion-attack detection/prevention
  - Next-generation flow management
  - Next-generation IP multimedia sub-system
  - Next-generation network management and control
  - Parallel architectures for next generation routers/switches
  - Software-defined networking
  - AI, Big Data and ML for Networking
  - AI and ML for 5G/6G/7G and network slicing
  - AI and ML for virtualized and software-defined networks
  - AI, neural networks, and deep learning for network management
  - Big data for smart cities and smart homes
  - Big data for cloud computing and networking
  - Big data for communications and networking
  - Big data for smart grids
  - Big data with IoT and cyber-physical systems
  - Cloud and network data analytics, modeling and visualization
  - Cooperative learning for software-defined and virtualized networks
  - Data analytics for QoS and traffic classification
  - Data analytics for faults and root-cause analysis
  - Data-driven management of virtualized infrastructure
  - Data-driven management of IoT and cyber physical systems
  - Data-driven management of SDN and data centers
  - ML based distributed training and learning over-the-air
  - Operational analytics and intelligence
  - Predictive analytics and real-time analytics
  - Selected Areas in Communications
  - Blockchain in communications and networks
  - Cloud, fog and edge computing
  - Internet-of-Things
  - Smart cities and urban computing
  - Smart grid communications
  - Social networks, crowdfunding, and crowdsensing
  - Tactile Internet

**IMPORTANT DATES:**

- **September 12, 2021**: Paper submission deadline
- **September 12, 2021**: Submission of tutorial proposal
- **October 5, 2021**: Notification of acceptance
- **October 18, 2021**: Camera-ready papers
- **November 17-19, 2021**: Conferences dates Santo Domingo, DR