The 12th International Conference on COMmunication Systems and NETworkS (COMSNETS) will be held in Bangalore, India, during January 7 - 11, 2020. COMSNETS is a premier international conference dedicated to advances in Networking and Communications Systems and related current areas. The conference will include a highly selective technical program consisting of submitted papers, a small set of invited papers from well-known leaders in the field, and poster. Focused workshops and panel discussions will be held on emerging topics to allow for a lively exchange of ideas.

**Topics of Interest**

The topics of interest include (but not limited to) the following:

- 5G and wireless broadband networks
- Technologies for 6-100 GHz spectrum
- Visible light communications
- Heterogeneous networks (HetNets)
- Cognitive radio & white-space networking
- Economics of networks
- Energy-efficient communications
- Cloud computing
- Enterprise, data center, & storage-area networks
- Internet architecture and protocols, Internet science & emergent behavior
- Mobility and location management
- Mobile sensing
- Traffic analysis and engineering
- Internet of Things (IoT)
- Caching & delivery systems
- Information/Content centric networks (ICN)
- Network management and operations
- Network security and privacy
- Trusted computing
- Network science
- Online social networks
- Overlay communications, content distribution
- Wireless adhoc & sensor networks
- Systems & networks for smarter energy & sustainability
- Vehicular communications
- Smart Grid communications & networking
- Machine Learning and AI in Networking
- Big Data/ IoT Analytics in Networking
- Cognition and Cognitive Computing in Networking

Selected best papers from COMSNETS 2020 will be invited for submission of their significant extended versions in a special issue of Elsevier Ad Hoc Networks journal (2018 I.F. 3.490). High quality papers with novel contributions may be considered for fast track publication (after significant extension) in Elsevier Pervasive & Mobile Computing journal (2018 I.F. 2.769).

**Conference Highlights**

- Keynote/Invited/Banquet Talks
- Technical Paper and Poster Sessions
- Graduate Research Forum
- Panel Discussions
- Demos & Exhibits
- Mentoring Sessions
- Intelligent Transport Systems
- Cyber Security & Blockchain
- ACM IMOBILE AIMS
- NetHealth

COMSNETS provides generous travel grants to international student applicants who have an accepted paper in the conference. Please see the home page for details.

**Keynote Speakers**

- Carla F. Chiasserini, Politecnico di Torino, Italy
- Gerhard P. Fettweis, TU Dresden, Germany
- Rahul Mangharam, UPenn, USA

**Banquet Speaker**

- Hussihesh B. Acharya, RIT, USA

**Invited Speakers**

- Supratik Mukhopadhyay, LSU, USA
- Salil Kanhere, UNSW Sydney, Australia
- Rahul Jha, UNSW Sydney, Australia
- Prasant Misra, TCS Innovation Labs, India
- R K Pathak, Department of Telecommunications, India
- Alok Ranjan, VCU, USA

**Session Chairs**

- Swades De, IIT Delhi, India
- Falko Dressler, University of Paderborn, Germany
- Vijay Raghunathan, Purdue University, USA
- Sandip Chakraborty, IIT Kharagpur, India
- Ashutosh Dutta, Johns Hopkins University, USA
- JeongGil Ko, APU University, Korea
- Vijay Gabale, Pune, India
- Prasant Misra, TCS Innovation Labs, India
- Amit Kumar Saha, CISCO, India
- Kuldeep Yadav, VideoKen, India
- R K Pathak, Department of Telecommunications, India
- Alok Ranjan, VCU, USA
- Ashish Ashok, Georgia State University, USA
- Seshan Srinragaran, IIT Delhi, India
- Giridhar Mandyam, Qualcomm, USA
- Prashant Pillai, University of Wolverhampton, UK
- Abhisek Appaji, B.M.S College of Engg, India
- Swarup Kumar Mohalik, Ericsson Research, India
- MITNS Workshop Co-Chairs
- Salim Bukhari, IIT Guwahati, India
- Rakesh Kumar, IIT Madras, India
- LastMileS Workshop Co-Chairs
- Ashwin Ashok, Georgia State University, USA
- Seshan Srinragaran, IIT Delhi, India
- Carla F. Chiasserini, Politecnico di Torino, Italy

**ComSJob Co-Chairs**

- Sandip Chakraborty, IIT Kharagpur, India
- Prasant Misra, TCS Innovation Labs, India
- Amit Kumar Saha, CISCO, India
- Joe Novak, Raytheon, USA
- Sushmita Ruj, VideoKen, India

**Travel Grants Chair**

- S.V. R. Anand, IIT Bombay, India

**Posters**

COMSNETS 2020 Poster Session is a forum to showcase preliminary/ongoing work in the area of computer networking and communications. Accepted posters will be published in the conference proceedings.

**Important Dates**

- **December, 2019**
  - Notification of Acceptance
  - Paper Submission
- **January, 2020**
  - Notification of Acceptance
  - Camera-Ready Submission
  - Workshops

**Sponsors**

- ASCI, India
- IIT Delhi, India
- IIT Madras, India
- IIT Hyderabad, India
- Astra Security, India
- TCS Innovation Labs, India
- IEEE, USA
- ACM, USA
- Cisco, India
- Microsoft, India
- VideoKen, India
- Co-sponsored by VideoKen, India

**Conference Patron:**

- ARISTA