# COMSNETS 2020
12th International Conference on COMmunication Systems & NETworkS

**Technical Co-Sponsors:** IEEE · IEEE ComSoc (IEEE Communications Society) · IEEE Future NETWORKS

**In Cooperation with:** acm In-Cooperation · sigmobile · sigcomm · MeitY · Digital India Power To Empower

**7 – 11 January Bangalore, India**
http://www.comsnets.org/

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 & content 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 and 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).
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> 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
- COMSJOB
- Co-located Workshops
  - MINDS
  - LastMileS
  - Intelligent Transportation 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
- Gerrhard P. Fettweis, TU Dresden, Germany
- Rahul Mangharam, UPenn, USA
- Saravanan Radhakrishnan, Cisco, India
- Sriram Rajamani, Microsoft Research, India

## Banquet Speaker
## Invited Speakers
- Hrishikesh B. Acharya, RIT, USA
- Claudio Casetti, Politecnico di Torino, Italy
- Sanjay Jha, UNSW Sydney, Australia
- Salil Kanhere, UNSW Sydney, Austraila
- Supratik Mukhopadhyay, LSU, USA
- Vishnu Navda, Microsoft Research, India
- Nirmalya Roy, UMBC, USA
- Sumit Roy, University of Washington, USA
- Simone Silvestri, University of Kentucky, USA
- Krishna Sivalingam, IIT Madras, India

### Important Dates & Deadlines for the Main Conference

| | |
|---|---|
| Abstract Submission | 15th September, 2019, 11:59 pm AoE |
| Paper Submission | 15th September, 2019, 11:59pm AoE |
| Notification of Acceptance | 31st October, 2019 |
| Camera-Ready Submission | 15th November, 2019 |
| Main Conference | 8th – 10th January 2020 |
| Workshops | 7th and 11th January 2020 |

## Poster Session
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 & Deadlines for Posters

| | |
|---|---|
| Paper Submission | 7th November, 2019, 11:59 pm AoE |
| Notification of Acceptance | 28th November, 2019 |
| Camera-Ready Submission | 7th December, 2019 |

## Demos and Exhibits
COMSNETS 2020 invites demos from researchers, startups, and corporates showcasing cutting-edge technologies and their applications. All accepted demos will be considered for the Best Demo Award.

### Important Dates & Deadlines for Demos: 8th - 9th January, 2020

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|---|---|
| Paper Submission | 1st November, 2019, 11:59 pm AoE |
| Notification of Acceptance | 1st December, 2019 |
| Camera-Ready Submission | 15th December, 2019 |

**Conference Venue:** The Chancery Pavilion Hotel, Bangalore, India (comsnets.conference@gmail.com)

**Conference Patron:** CISCO · Microsoft

**Video Partner:** VideoKen
**WiFi Partner:** ARISTA

**Travel Grant Sponsor:** sigmobile · LRN FOUNDATION · sigcomm

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Ashutosh Dutta, Johns Hopkins University, USA
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SaiDhiraj Amuru, WiSig Networks, India
Nabanita Das, ISI Kolkata, India

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Vijay Gabale, Huew, India
Prasant Misra, TCS Innovation Labs, India

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Amit Kumar Saha, CISCO, India
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T. Venkatesh, IIT Guwahati, India

**Panel Co-Chairs**
Monisha Ghosh, University of Chicago, USA
Pamela Kumar, TSDSI, India
R K Pathak, Department of Telecommunications, India

**Mentoring Sessions Co-Chairs**
Abhishek Appaji, B.M.S College of Engg, India
Swarup Kumar Mohalik, Ericsson Research, India

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**ITS Workshop Co-Chairs**
Bhargava Rama Chilukuri, IIT Madras, India
Tarun Rambha, IISc Bangalore, India

**LastMileS Workshop Co-Chairs**
Ashwin Ashok, Georgia State University, USA
Seshan Srirangarajan, IIT Delhi, India

**Cyber Security & Blockchain Workshop Co-Chairs**
Giridhar Mandyam, Qualcomm, USA
Prashant Pillai, University of Wolverhampton, UK

**NetHealth Workshop Co-Chairs**
Dr. Dayaprasad G Kulkarni, Syracuse Univ., USA
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