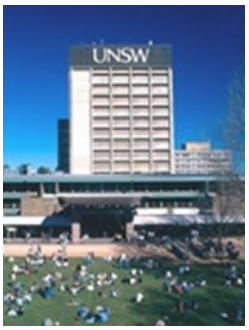
ITNAC
INTERNATIONAL TELECOMMUNICATION NETWORKS AND APPLICATIONS CONFERENCE

IEEE

24-26 November 2021, Sydney, Australia

itnac.org.au



31st ITNAC Call for Papers

ITNAC 2021 is technically co-sponsored by the IEEE. Presented papers indexed by IEEE, Ei COMPENDEX and Google Scholar.

With the increasing number of emerging robust networks, the challenges to design new networking protocols, techniques, and applications are never ending. ITNAC has been a leading forum for researchers and engineers to present and discuss topics related to advanced telecommunication network technologies, services, and applications. ITNAC 2021 seeks to address and capture highly innovative and state-of-the-art research from academia, communications industry and standardization bodies that covers distributed, mobile, cognitive and cloud computing, modelling and simulation, computer and data communications, local and metropolitan networks, optical, wired and wireless telecommunication networks and applications. Contributions are welcome on all advanced research topics, particularly (but not limited to) the following:

Mobile & Wireless Networks

- Modelling and Simulation
- Wireless access and routing protocols
- Internet of Things
- Green, energy efficient and sustainable networking
- Nature and bio-inspired approaches to networking
- Network-based mobile positioning and tracking
- Cognitive and cooperative networking
- Mobile social and ambient networks
- Delay tolerant networks
- Mobile and wireless broadband access networks
- 5G/6G networks
- Wireless sensor networks
- Vehicular Ad-hoc networks
- Cognitive networks

Internet Technologies and Applications

- Network modeling and simulation
- Software defined networking
- Smart Cities and Smart Grids
- Traffic engineering, congestion and admission control
- Content delivery networking
- Datacenter networks and Cloud Computing
- Sustainable networking
- Peer-to-peer networks and overlays
- Novel network-enabled applications and services
- Future Internet routing schemes or transport concepts
- IPv6 and future network addressing
- High performance network virtualization
- Networking standards and regulations
- QoS/QoE provisioning and resource management

Network Management, Privacy and Security

- Next generation network regulation
- Broadband network management
- Intrusion detection and prevention
- Key distribution and management
- Large-scale attacks and defense
- Security and privacy in wireless networks
- Network security policy, theory and tools
- Secure Mobile Agents and Mobile Code
- Trusted computing and management
- Security and privacy
- Network resiliency and network security
- Cyber-security and cyber-crime

Optical Networking and Applications

- Modelling and Simulation
- Optical switching and routing
- Optical Network on Chips
- Visible light communication
- Optical Ethernet, EPON/GPON, 100Gb/s Ethernet
- WDM Access Networks, WDM-PON
- Wired/wireless convergence, Telecom/broadcast convergence, IPTV
- Optical-wireless access networks, Radio-over-fiber
- Large capacity optical transmission, WDM, OTDM
- OFDM and advanced modulation in photonics
- Energy efficient optical networks

Selected papers will be invited for submission to IJICTA or JTDE. For paper submission guidelines, please refer to the Conference website.

Important Dates:

Paper submission: 15 September 2021

Notification of acceptance: 2 October 2021

Organizing Committee:

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