

Call for Papers of 6G Research and Technology Conference - 6G SUMMIT[®] in San Francisco, June 1-2, 2023

Please submit your papers (**4-6 pages** in IEEE paper format) in Word or PDF to: **6Gsummit@gmail.com**
Paper submission deadline: **January 15th, 2023** (California Time)

The 2023 6G Summit[®] will be organized by **6G SUMMIT[®]**, a division of **Palo Alto Research**; Technical Program and Publication will be produced by **West Lake[®]** research and education services; other technical services are jointly provided by **GEELY[®]** and **RENREN[®]**.

Call for Papers

6G is not just talking about wireless! Towards next generation in mobile, wireless and satellite communications and technologies for next decade, a new paradigm shift is required to deal with challenges on explosively growing requirements in user-centric mobile applications (instead of traditional carrier-centric), truly personal communications (instead of traditional cellular mobile services), convergence of multiple mobile devices (instead of just mobile phone), convergence of Starlink and terrestrial wireless networks, mobile data traffic volume (1000x), number of connected devices (10-100x), typical end user data rate (10-100x), booming mobile enterprise services, booming Wireless as a Service (WaaS) and device/network lifetime (10x). In order to accommodate these emerging demands, next generation 6G and 5G++ mobile and wireless communication systems, infrastructures and applications need to be further evolved based on fundamental and innovative rethinking of the conventional mobile and wireless communications and technologies. Although the matured 4G+ and current 5G technologies have been successfully evolving to fulfill current demands up to now, satisfying all the new emerging requirements is still beyond their capacity, especially for the enterprise solutions during the global pandemic and the Starlink/Terrestrial convergence during the War. Hence, it is inevitable to face a wide variety of issues on new system concepts and technological enablers to break through the current limitations. We invite high quality original research papers describing recent and expected challenges or discoveries along with potential solutions for 6G or 5G++ mobile and wireless communications, technologies and welcome both theoretical and experimental papers as well as new research initiatives. Accepted papers will be published in Proceeding.

Potential topics include, but are not limited to:

- Mobile Wireless Enterprise solutions (infrastructure, services, applications)
- Mobile Cloud platform for NG mobile messaging network and others
- Mobile virtualization modeling and virtualized mobile service operation model
- Evolution from conventional cellular mobile to future personal communications
- Convergence of terrestrial and airborne mobile communications
- Convergence of terrestrial and Starlink wireless communications
- Mobile Wireless LAN and converged WLAN/Cellular networks
- Converged WLAN, WPAN, BWA and cellular mobile networks
- Mobile voice over WiFi IP networks and WiFi Voice services
- Multi-layered wireless networks for Internet-of-Thing (IoT) connections
- Big data analytical modeling for 6G or 5G+ converged mobile/wireless networks
- Advanced interference management and optimization
- Mobile health with next generation mobile networks
- mmWave and Massive MIMO for integrated cellular and WiFi networks
- Multiple access/modulation schemes beyond OFDMA
- Ultradense networks, moving networks, and fully distributed networks
- Heterogeneous networks and self-organizing networks
- Device-to-device/machine-to-machine communications
- Cooperative communications and wireless network coding
- Cognitive radio networks and software defined radio
- Wireless as a Service (WaaS) and Network as a Service (NaaS)
- Energy-aware network optimization in mobile wireless environment
- Evaluation, modeling and usage of reliability and security in 6G or 5G+
- Measurement and control methodologies for 6G or 5G+
- 6G or 5G+ communication applications (Internet of things, future Internet, etc.)
- Any research topics including enhanced 802.11/15 for 6G or 5G++ era