

CALL FOR PAPERS

ICEAA IEEE APWC

Cape Town, South Africa,
September 5-9, 2022

FORMAT > Live & in person. A hybrid in-person plus virtual format will be enacted if the situation demands it.

ICEAA 2022
International
Conference on
Electromagnetics
in Advanced
Applications

IEEE APWC 2022
IEEE-APS Topical
Conference on
Antennas and
Propagation in Wireless
Communications

The 23rd edition of the ICEAA and 11th edition of the IEEE APWC will take place jointly on 5-9 September 2022 in Cape Town, South Africa. The format is live & in person, however, a hybrid format will be enacted if needed. The conferences are technically sponsored by the Politecnico di Torino and by Stellenbosch University. The conferences consist of invited and contributed papers, and share a common organization, registration fee, submission site, workshops and short courses, banquet, and social events. Papers may be submitted to the IEEE Xplore Digital Library.



5 - 9 September 2022
Cape Town, SOUTH AFRICA

www.iceaa-offshore.org

ICEAA Topics

- Adaptive and reconfigurable antennas
- Complex media
- Electromagnetic applications to biomedicine
- Electromagnetic applications to nanotechnology
- Electromagnetic education
- Electromagnetic measurements
- Electromagnetic modeling of devices and circuits
- Electromagnetic packaging
- Electromagnetic properties of materials
- Electromagnetic theory
- EMC/EMI/EMP
- Finite methods
- Frequency selective surfaces
- High power electromagnetics
- Integral equation and hybrid methods
- Intentional EMI
- Inverse scattering and remote sensing
- Metamaterials and metasurfaces
- Microwave antennas, components and devices
- Optoelectronics and photonics
- Phased and adaptive arrays
- Plasma and plasma-wave interactions
- Printed and conformal antennas
- Radar cross section and asymptotic techniques
- Radar imaging
- Radio astronomy (including SKA)
- Random and nonlinear electromagnetics
- Reflector antennas
- Technologies for mm and sub-mm waves

APWC Topics

- Active antennas
- AI in electromagnetic applications
- Antennas and arrays for security systems
- Channel modeling
- Channel sounding techniques for MIMO systems
- Cognitive radio
- Communication satellite antennas
- DOA estimation
- EMC in communication systems
- Emergency communication technologies
- Indoor and urban propagation
- Low-profile wideband antennas
- MIMO systems
- Mobile networks
- Multi-band and UWB antennas and systems
- OFDM and multi-carrier systems
- Propagation models
- RFID technologies
- Signal processing antennas and arrays
- Small mobile device antennas
- Smart antennas and arrays
- Space-time coding
- Vehicular antennas
- Wireless communications
- Wireless mesh networks
- Wireless power transmission and harvesting
- Wireless security
- Wireless sensor networks

Information for Authors

Authors must submit an extended abstract or a summary paper electronically by March 20, 2022. Authors of accepted contributions must submit the executed copyright form and registration electronically by June 1, 2022. Each registered author may present up to two papers, with the second paper incurring an additional fee. All papers must be presented by one of the authors. Please refer to the website for submission instructions and further details.

Deadlines (2022)

Paper or extended abstract submission	March 20
Notification of acceptance	May 10
Presenter registration	June 1

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