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ICEAA INTERNATIONAL CONFERENCE ON ELECTROMAGNETICS IN ADVANCED APPLICATIONS **IEEE APWC** IEEE-APS TOPICAL CONFERENCE ON ANTENNAS AND PROPAGATION IN WIRELESS COMMUNICATIONS

VENICE/ITALY OCTOBER 9-13 2023

The 24th edition of the ICEAA and 12th edition of the IEEE APWC will take place jointly on 9-13 October 2023 in Venice, Italy. An in-person presentation format is envisaged with no virtual presentations. The conferences are supported by the Politecnico di Torino with the principal technical cosponsorship of the IEEE Antennas and Propagation Society and the technical cosponsorship of the International Union of Radio Science (URSI). 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. The proceedings of the conferences will be submitted to the IEEE Xplore Digital Library.

INFORMATION FOR AUTHORS

Authors must submit an extended abstract or a summary paper electronically by May 10, 2023.

The extended abstract (1 page max) and/or the summary paper (2-6 pages) are definitive and therefore require a single submission. Authors of accepted contributions must register electronically by June 30, 2023. Instructions are found on the website. 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

Extended abstract or Summary paper submission > May 10, 2023 Notification of acceptance > lune 15, 2023 Presenter registration > June 30, 2023

The extended abstract (1 page max) and/or the summary paper (2-6 pages) are definitive and therefore require a single submission

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ICEAA TOPICS

- Adaptive and reconfigurable antennas
- 2. Complex media
- 3. Electromagnetic applications to biomedicine
- Electromagnetic applications to nanotechnology
- 5. Electromagnetic education
- 6. Electromagnetic measurements
- Electromagnetic modeling of devices and circuits
- 8 Electromagnetic packaging
- Electromagnetic properties of materials q
- 10. Electromagnetic theory
- 11. EMC/EMI/EMP
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- 13 Frequency selective surfaces
- 14. High power electromagnetics
- 15. Integral equation and hybrid methods
- 16. Intentional EMI
- Inverse scattering and remote sensing 17.
- 18 Metamaterials and metasurfaces
- Microwave antennas, components and devices 19
- Optoelectronics and photonics
- 21. Phased and adaptive arrays
- Plasma and plasma-wave interactions
- 23 Printed and conformal antennas
- Radar cross section and asymptotic techniques
- 25. Radar imaging
- Radio astronomy (including SKA)
- 27 Random and nonlinear electromagnetics
- Reflector antennas
- Technologies for mm and sub-mm waves

APWC TOPICS

- Active antennas
- Al in electromagnetic applications
- 3. 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
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- Signal processing antennas and arrays
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- Wireless mesh networks
- 27 Wireless power transmission and harvesting 28 Wireless security
- Wireless sensor networks







