



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

### LISBOA / PORTUGAL SEPTEMBER 2-6, 2024

The 25th edition of the ICEAA and 13th edition of the IEEE APWC will take place jointly on 2-6 September 2024 in Lisbon, Portugal. An in-person presentation format is envisaged with no virtual presentations. The conferences are supported by the Politecnico di Torino, the Universidade de Aveiro, and the Politécnico de Leiria, 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 April 1, 2024. 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 May 30, 2024. 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.

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#### DEADLINES

Extended abstract or Summary paper submission >	April 1, 2024
Notification of acceptance >	May 15, 2024
Presenter registration >	May 30, 2024

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

#### ICEAA TOPICS

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

#### APWC TOPICS

1. Active antennas
2. AI in electromagnetic applications
3. Antennas and arrays for security systems
4. Channel modeling
5. Channel sounding techniques for MIMO systems
6. Cognitive radio
7. Communication satellite antennas
8. DOA estimation
9. EMC in communication systems
10. Emergency communication technologies
11. Indoor and urban propagation
12. Low-profile wideband antennas
13. MIMO systems
14. Mobile networks
15. Multi-band and UWB antennas and systems
16. OFDM and multi-carrier systems
17. Propagation models
18. Radio astronomy (including SKA)
19. RFID technologies
20. Signal processing antennas and arrays
21. Small mobile device antennas
22. Smart antennas and arrays
23. Space-time coding
24. Vehicular antennas
25. Wireless communications
26. Wireless mesh networks
27. Wireless power transmission and harvesting
28. Wireless security
29. Wireless sensor networks