



18th Australasian Symposium on Antennas

14th to 16th February 2024

<http://www.asasymp.org>

Call for Papers and Workshop Proposals

The 18th ASA will be held from the 14th to the 16th of February 2024, Sydney (venue to be confirmed). The aim of the ASA is to inform engineers, scientists, and industry representatives working on antennas, electromagnetics, and related areas of current and projected developments. The Symposium also provides a valuable opportunity for students to take part in a professional meeting. Submissions are invited from anyone in the Australasian region. A prize will be awarded for the best student presentation. The symposium will consist of a workshop sponsored by the Australian node of the Antenna Measurement Techniques Association (AMTA) and a two-day technical program.

Suggested Topics for technical programmes:

Our programme will strike a balance between theoretical and practical aspects of design, construction, and measurement of antennas and associated components across the EM spectrum:

- active and integrated antennas
- adaptive and signal processing antennas and arrays
- antenna theory and design
- antennas for space or astronomy applications
- antennas for wireless communications
- array analysis and design
- beamforming
- bio-medical effects, medical applications
- computational electromagnetic methods
- conformal antennas
- electromagnetic bandgap structures
- electromagnetic materials, metamaterials, etc.
- electromagnetic theory
- frequency selective surfaces
- horn and lens antennas
- integration, coupling and interaction
- interactions between antennas and adjacent bodies
- manufacturing techniques for antennas
- measurement techniques and instrumentation
- microstrip antennas
- millimetre-wave, sub-millimetre-wave and Terahertz antennas
- power handling, PIMP
- propagation topics related to antennas
- reconfigurable antennas
- reflector antennas, feed systems and networks
- scattering and diffraction techniques
- superconducting antennas
- vehicular and mobile antennas
- wide-band and multi-band antennas

Suggested Topics for AMTA workshop:

- measurement techniques and methods
- measurement facilities and instrumentation

Abstracts should be submitted by Friday, the 8th of December 2023 (please use the abstract template available for download on the ASA website).

Organising Committee: Stephanie Smith (CSIRO) | Michael Neve (University of Auckland) | Christophe Granet (Lyrebird Antenna Research Pty Ltd) | Ken Smart (CSIRO) | Maral Ansari (CSIRO) | Peiyuan Qin (UTS) | Withawat Withayachumnankul (University of Adelaide) | Jammy Chen (Flinders University) | Shulin Chen (UTS)

Terms and Conditions

1. The ASA is intended to encourage communication and networking within the antennas and electromagnetics community in Australasia.
2. The 18th ASA is open to anyone working or studying within the Australasian region which, for the purposes of this event, is defined as Australia, New Zealand and their respective territories.
3. As a minimum, all submissions are expected to consist of a one-page abstract (A4-format, including figures and references) and formatted according to the symposium template (available from the website).
4. To provide constructive feedback to authors, all abstracts will be subject to a single-pass review process.
5. All registrants will receive password access to the symposium website from which they will be able to access the submitted abstracts.
6. All student submissions will be assessed in advance of the symposium by a judging panel to nominate a shortlist of presentations for the event in February 2024. It is expected that all students who make submissions will be able to present as part of the symposium, should they be nominated. Any student not wishing to present will not be considered for the student prize.
7. By making a submission to the symposium website, all registrants acknowledge that their submissions will be made available to all other registrants via the symposium website. Authors should keep this requirement in mind when considering what material they intend to include.
8. All registrants are encouraged to actively participate during the symposium (during which opportunities to ask questions of the presenters will be provided), and to access any and all of the submissions on the symposium website and to communicate with the authors directly if they have any questions after the event.
9. **Please note: This symposium will not be indexed on SCOPUS, IEEExplore or any similar indexing service.**