



Welcome

Time flies and we just got a lot of new information available to put in our 2nd newsletter for 2025. We hope you enjoy the newsletter and use it to get some updated and new information about our Flagship meetings, the activities of our URSI Member Committees, activities of our URSI Commissions and so much more...

At the time of sending out this newsletter, URSI hosted, as a member of the ISC GEO Unions, another webinar in the “International Decade of Science for Sustainable Development – Distinguished Lecture Series”. Please check it out on our YouTube channel.

Make sure to continue to follow URSI on social media channels as this is the fastest way to spread news in our community.

We remain at your service, and please feel free to contact us or to submit material which you might think to be interesting to publish here.

URSI Flagship Meetings

6th URSI Asia-Pacific Radio Science Conference (URSI AP-RASC)

Thank you!! Paper submission to [AP-RASC 2025](#) yielded record numbers and shows the interest of our community in presenting at the URSI Flagship meetings.

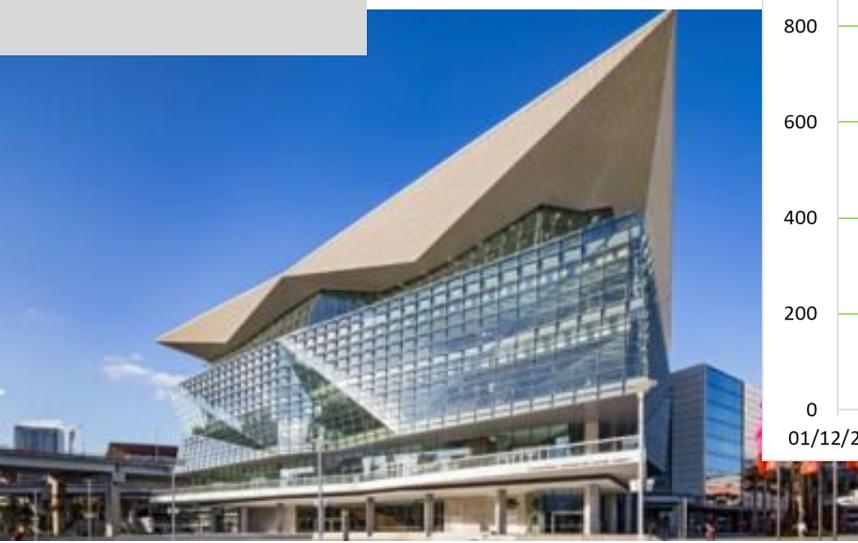
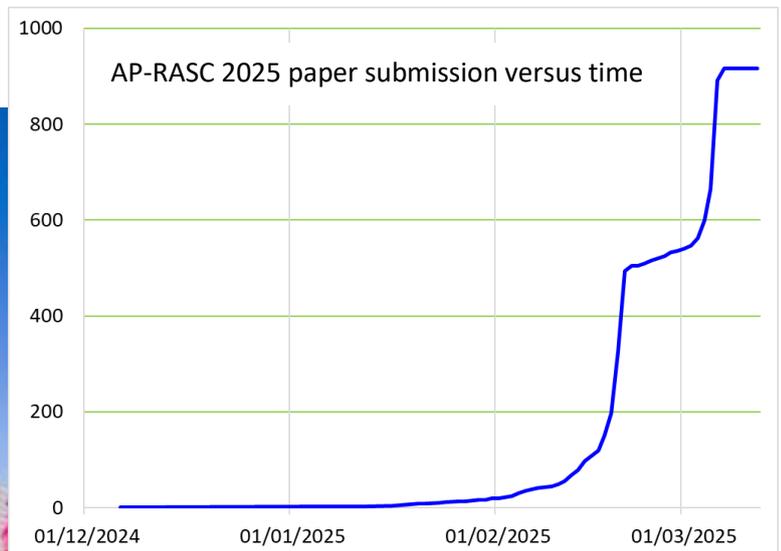
The extension of the paper submission deadline clearly paid off and offered to many of you the opportunity to submit a paper to AP-RASC 2025!

Registration is now open with a strict author registration deadline set at 7 June 2025. Make sure to register before that date to keep your paper in the programme.

Check the [website](#) for updated information on the programme, the venue and travel advice.

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URSI AP-RASC 2025 General Chairs

- Paul D. Smith, Macquarie University, Australia
- Elena Vinogradova, Macquarie University, Australia
- Kazuya Kobayashi, Chuo University, Japan
- Amitava Sen Gupta, The Northcap University, India

The preliminary programme will be online soon, but we can already announce the AP-RASC 2025 General Lectures and the Commission key note speakers.

AP-RASC 2025 General Lectures



The Impact of Computational Electromagnetics on the New Generation of Radio Telescopes

Prof. David Davidson, Curtin University, Western Australia, (Australia)



Broadband and resonant metamaterials for optical to THz frequencies

Prof. Venu Gopal Achanta, CSIR-National Physical Laboratory, New Delhi, (India)



Intelligent new spectrum communication for 6G

Prof. Nan Chi, Fudan University, Shanghai, (China)



Filling the Void in Ionosphere and Space Weather Monitoring with Unconventional GNSS Data

Prof. Jade Morton, University of Colorado, Boulder CO, (USA)

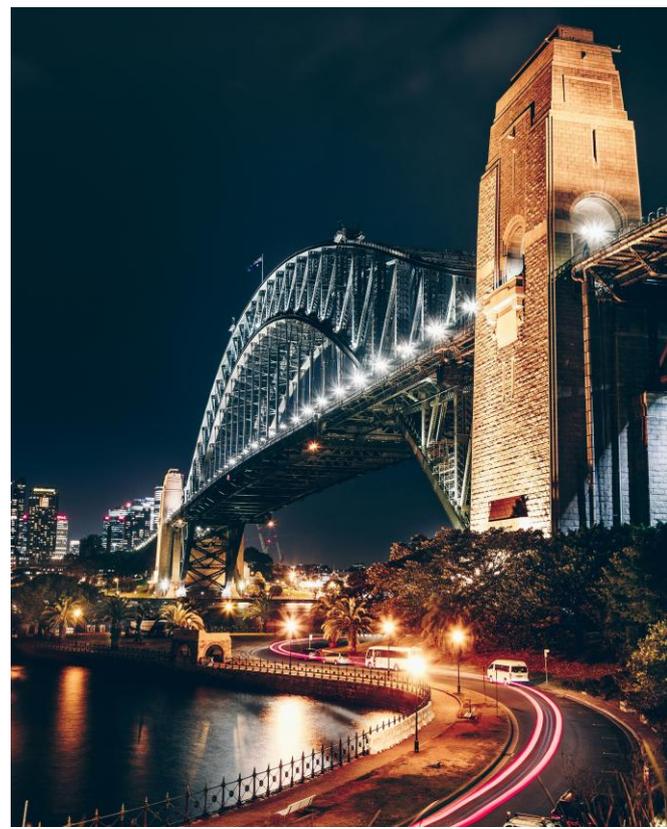


Cosmic dust studies using plasma interactions in the heliosphere and ionosphere

Prof Ingrid Mann, Inst. of Physics & Techn, UiT, Arctic University Norway, Tromsø, (Norway)

Important dates:

- Preliminary program available: 31 May 2025
- Author registration deadline: 7 June 2025 (required to have paper included in the program)
- Early-bird registration deadline: 7 June 2025
- Advance program available: 10 July 2025
- Final program available: 12 August 2025
- Conference: 17-22 August 2025



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Commission Keynote Lectures



COMMISSION A

Precision Measurement and Signal Generation to Test Fundamental Physics

Prof Michael E. Tobar, Dept of Physics, University of Western Australia, Australia



COMMISSION B

Physical Optics for Microwave and Antenna Modelling: Balancing Accuracy and Simplicity

Prof. Oscar Quevedo-Teruel, KTH Royal Institute of Technology, Sweden



COMMISSION C

Multimodal Generative AI and Machine Learning

Dr Raghuvveer Rao, DEVCOM Army Research Laboratory (ARL), Adelphi, MD, USA



COMMISSION D

3D/4D Printing Multi-Material and Shape-Memory Devices for Wireless Electronics

Prof Yang Yang, University of Technology, Sydney, Australia



COMMISSION E

Radio Spectrum Issues in Radio Astronomy

Dr. Anastasios Tzioumis, Space & Astronomy, CSIRO, Sydney, Australia



COMMISSION F

Tropical Precipitation Studies: Combining Radar, Radiometer, and Radio Propagation Measurements

Prof Animesh Maitra, Institute of Radio Physics & Electronics, Calcutta Univ., India



COMMISSION G

Reduced order emulation for operationalizing physics-based models in space weather

Prof Piyush Mehta, Assoc Prof of Space Systems, West Virginia University, USA



COMMISSION H

A New Ion beam Instability, Its Connection to Electron Beam Instabilities, and Radio Emissions Driven by Shocks

Prof Iver Hugh Cairns, Professor in Space Physics, University of Sydney, Australia



Square Kilometre Array Status

Dr Lewis Ball, Director of Operations, SKAO Global Headquarters, UK



COMMISSION K

Microwave Imaging Systems in Breast Health Applications

Dr. Lena Kranold, University of Western Australia and Harry Perkins Institute of Medical Research, Perth, WA, Australia

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URSI GASS 2026



In our previous newsletter we published a welcome address by Prof. Józef Modelski, URSI GASS 2026 General Chair.

However many more people are involved.

Scientific Program Coordinators - Co-Chairs



John Volakis

Professor, Florida International University, Miami, USA



Andrzej Krankowski

Professor, University of Warmia and Mazury, Olsztyn, Poland

Organizing Committee



Józef Modelski

Warsaw University of Technology



Artur Rydosz

AGH University of Kraków



Andrzej Witczak

Military University of Technology, Warsaw



Sławomir Ambroziak

Gdańsk University of Technology



Sławomir Hausman

Łódź University of Technology



Iwona Stanisławska

Space Research Center, Warsaw



Grzegorz Bogdan

Warsaw University of Technology

Hosted and organized by



Polish National Committee of URSI

Supported by



We look forward to welcoming you in Kraków, Poland in 2026 for the **36th URSI General Assembly and Scientific Symposium (URSI GASS 2026)**.

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URSI Member Committee Activities

URSI Member Committee – Finland

*XXXVII Finnish National Convention on Radio Science
10-11 March 2025 Sodankylä Arctic Space Centre*

The Finnish URSI National Convention was organized in the Sodankylä Arctic Centre in northern Finland, on 10-11 March 2025. This was the 37th time these “Radio Science Days” took place, the first convention having been arranged already in the year 1953.

The meeting started with a session on ionospheric propagation and space weather, with latest information about the transition of the European



Incoherent Scatter Scientific Association into the EISCAT AB company. This was followed by a remote sensing session covering snowmelt detection, snow water equivalent monitoring, and radar/radiometric instrument calibration and validation. As can be seen from the conference website (<https://www.ursi.fi/2025/>), many more radioscientific topics were discussed, like antenna arrays both for 6G communication purposes and radioastronomic applications.

To underline the importance of young radio scientists in the community, the tradition in the Finnish URSI conventions is to present a trophy to the best contribution by a young scientist. President of the Finnish URSI committee, Prof. Jaan Praks, presented the award of the year 2025 to Mr. Albert Salmi (Aalto University) for his presentation “Sparse Reactively Loaded Antenna Arrays”.



The Finnish member committee is grateful to Juha Lemmetyinen, Anna Kontu, and Jouni Pulliainen (Finnish Meteorological Institute) for providing excellent conditions to our convention, in particular for arranging spectacular aurora borealis during the night.

(communicated by Ari Sihvola)

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URSI Member Committee – United Kingdom

URSI UK Symposium 2025, 13 March 2025, Durham University

On 13 March, the URSI Member Committee in the United Kingdom organized its URSI UK Symposium 2025.

The programme of the symposium consisted of 11 oral presentations and 23 poster presentations.

The URSI UK Panel decided to have two Best Oral Paper Prizes and one Best Poster Paper Prize.

Best Oral Paper Prizes (each one gets 125 Euro):

- Lucy Downes (Durham University, UK)
- Hamidreza Taghvaei (University of Surrey, UK)



Best Poster Paper Prize (gets 250 Euro):

Zahra Rahimian Omam (University of Surrey, UK)

For more details on URSI UK:
please visit <https://ursi.org.uk/>.

(Communicated by: Prof. Tian Hong Loh)



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URSI Member Committee – France

URSI-France Workshop “Metrology at the heart of Today’s Technologies – Fundamentals, Methods and Instruments, from RF to Optics”

10-12 June 2025, PARIS 6E, CAMPUS DES CORDELIERS

Metrology is the science of measuring. It defines the principles and methods allowing to guarantee the confidence in measurements. To that aim, it develops and ensures that national reference standards are maintained, recognized internationally and allowing industry to reference their measuring instruments to the International System of Units (SI). (see: <https://www.lne.fr/fr/comprendre/la-metrologie>).

It is a transversal science that applies in all areas where quantitative measurements are carried out, relating to both fundamental issues and applications concerning everything that is measured. This is the reason why, even if we restrict ourselves to those for which electromagnetic waves play a role, we are dealing here with a multiplicity of subjects. This largely motivates the choice made for this URSI-France workshop 2025 (JS 25) of the following topics:

- Quantum clocks, oscillators, time scales and time-frequency dissemination
- Quantum metrology and detection, fundamental electrical metrology
- Electromagnetic and optical sensors
- High frequency measurements, calibration tools and methods
- Antenna measurements: techniques, instruments, dynamics, resolution and uncertainties
- Electromagnetic dosimetry and exposimetry
- Electromagnetic localization and radar, measurements of SER and signatures
- Electromagnetic measurements of biological objects, diagnostics and bio-detection
- Electromagnetic characterization of materials, non-destructive measurements
- Indirect and multiphysics measurements
- Quantification and control of uncertainties, modeling



Union Radio-Scientifique Internationale
Comité National Français de Radioélectricité Scientifique



The workshop will be structured around keynote and invited communications, and oral and poster sessions, with the aim of allowing a fruitful meeting between young scientists, experienced researchers and industry players, participants or exhibitors.

- ▶ The program will include an open session, allowing young scientists to present work on any subject relating to radioscience.
- ▶ Furthermore, the URSI policy of supporting the participation of women in radioscience strongly encourages them to make their work visible within the framework of JS 25 workshop.

The workshop will take place from Tuesday 10 June to Thursday 12 June morning (2 ½ days) at the Cordeliers campus (15 rue de l'École de médecine 75006 Paris). All information is available on the URSI-France website: <https://www.ursi-france.org>

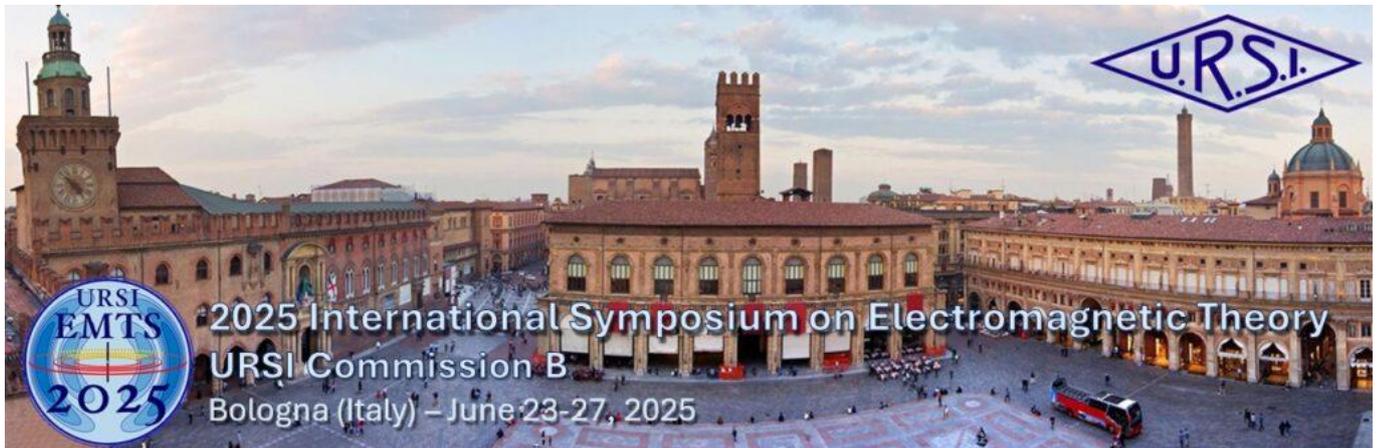
(Communicated by Alain Sibille)

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Meetings with financial support by URSI Commissions

EMTS 2025

23-27 June 2025, Bologna, Italy



The International Symposium on Electromagnetic Theory (EMTS 2025) will be held 23-27 June 2025, in Bologna, Italy. Organized by the Commission B (Fields and Waves) of the International Union of Radio Science (URSI) and the University of Bologna, EMTS 2025 marks the 25th event in this prestigious triennial series, which has a rich history dating back to 1953.

The symposium aims to advance the field of electromagnetic theory and foster its application across a diverse array of strategic domains, including wireless communication, sensing and industrial applications. Its scope encompasses all areas of electromagnetic theory and applications, including scattering, antennas, propagation, metasurfaces, and inverse problems, making it the major scientific event for Commission B, alongside the URSI General Assembly and Scientific Symposium, URSI Atlantic Radio Science Meeting (AT-RASC) and URSI Asia-Pacific Radio Science Conference (AP-RASC).



URSI EMTS 2025
General Chair
Prof. Vittorio Degli Esposti

In 2025, this premier event will take place

in the historic heart of Europe's oldest academic hub, Bologna, a city where Luigi Galvani and Augusto Righi unveiled the secrets of electricity, and Guglielmo Marconi realized the first wireless communications link using electromagnetic waves.

EMTS 2025 promises a rich program spanning all facets of electromagnetism. Attendees can look forward to keynote presentations by experts, dedicated sessions for emerging topics and young scholars, social activities, and a gala dinner in the heart of Italian cuisine.

Join us for an enriching experience amidst the academic, architectural, and culinary attractions of Bologna: welcome to Italy in 2025 !

[Check the website for more information.](#)

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IWAGPR 2025

2-4 July 2025, Thessaloniki, Greece

IWAGPR2025 is set to take place in Thessaloniki, Greece from 2 till 4 July 2025, and will be hosted by the [School of Geology](#) at the [Aristotle University of Thessaloniki](#).



Since its inception in 2001, IWAGPR has been a premier event for exploring advancements in Ground Penetrating Radar (GPR) research, techniques, and applications. This biennial workshop brings together scientists, engineers, industrial delegates, and end-users to share the latest developments in GPR, from fundamental advances in methods and technologies to compelling case studies.

IWAGPR2025 offers a unique opportunity for participants to network, discuss, exchange ideas and collaborate on future projects. We encourage you to [read more about the workshop](#) for detailed information about its specific content and sessions.

- 21.10.2024 – Paper Submission Opens
- 21.01.2025 – Paper Submission Deadline
- 17.03.2025 – Notification of Acceptance
- 16.04.2025 – Final Paper Submission
- 25.04.2025 – End of Early-Bird Registration

Radio 2025

27-30 October 2025, Mauritius



The 9th edition of IEEE RADIO will be held from 27 to 30 October 2025 in Mauritius. The aim of the conference is to discuss recent developments, theories and practical applications covering the whole scope of radio frequency engineering, including radio waves, antennas, propagation and electromagnetic compatibility.

Prospective authors are invited to submit original contributions on their latest research activities. Student papers are strongly encouraged. IEEE RADIO 2025 will feature three Best Student Paper Awards, a Young Scientist Award and an Industrial Engineering Paper Award. Proposals for special sessions, workshops

and tutorials are welcome. A panel of distinguished researchers will deliver keynote speeches/invited talks on recent technology trends and advances.

ISAP 2025

27-31 October 2025, Fukuoka, Japan

ISAP2025 is intended to provide an international forum for the exchange of information on the progress of research and development in antennas, propagation, electromagnetic wave theory, and related fields as shown in the SCOPE. It is also an important objective of this meeting to promote mutual interaction among participants.



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Beacon Satellite Symposium 2025

10-14 November 2025, Rome, Italy

We are pleased to announce the call for abstracts for the Beacon Satellite Symposium 2025 (BSS 2025), which will be held in Rome, Italy, from 10 till 14 November 2025.



This symposium, organized by INGV, ICTP, Boston College and Univ. of Warmia and Mazury in the framework of the International Union of Radio Science (URSI) Commission G activities, will gather leading researchers and experts in ionospheric science from around the world. The symposia provide a key platform for ionospheric scientists to meet, collaborate, and advance our understanding of ionospheric physics and its effects on radio propagation.

We invite you to submit your abstracts for presentation at the symposium. **The deadline for abstract submission is 15 June 2025.** For further details about the symposium, including abstract submission guidelines and session descriptions, please visit the BSS website: <https://bss2025.ingv.it/>

Pre-Symposium Workshop:

In addition, we are organizing a workshop in the week preceding the BSS, focused on "The Use of GNSS Data for Ionospheric Monitoring and Modelling." This workshop will provide PhD students and Early Career Scientists with lectures from top-level experts in the field. There is no registration fee for the workshop. **The application deadline for the workshop is also 15 June 2025.**

A limited number of grants are available to support selected participants in attending both this workshop and the Beacon Satellite Symposium 2025, with priority given to participants from developing countries.

Details about the workshop can be found on the dedicated ICTP webpage: <https://indico.ictp.it/event/10919>

We look forward to your contributions and to welcoming you to Rome.

Best regards,

Claudio Cesaroni

on behalf of the BSS and Workshop organizers

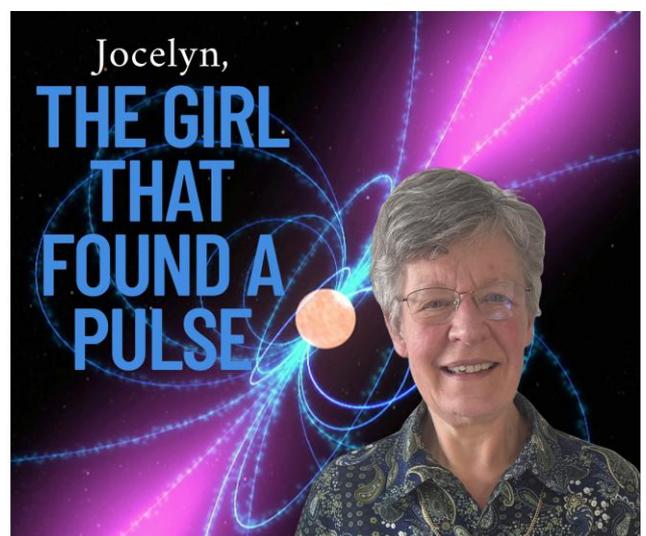
URSI WIRS – Women in Radio Science

WIRS Spain Chapter

The Spanish Chapter of Women in Radio Science (WIRS) of URSI-Spain is organizing several exciting activities this year. Following the warm reception from our community last year, we were proud to launch the second edition of the Award for the Best Project to Promote Female Scientific and Technical Vocations in Radio Science. More details are available [on this website](#).

We have received a number of highly relevant and impactful initiatives. The winners will be announced at the end of May, and the award ceremony will take place during the WIRS session at our upcoming [National Symposium in Tarragona](#).

Another highlight is the upcoming WIRS Webinar on 5 June 2025 showcasing research led by young Spanish women across various areas of Radio Science, including microwave antennas, 6G communications, microwave device design, and photonic biosensors. The webinar (in Spanish) will begin at 11:00 CEST / 09:00 UTC.



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The second part of the webinar, starting at 12:30 CEST / 10:30 UTC (in English), will feature an inspiring motivational talk by Prof. Dame Jocelyn Bell Burnell, aimed at encouraging and motivating young female scientists—and the broader scientific community—through her outstanding career.

Attendance at the WIRS webinar requires [prior registration](#).

For further information, follow the Chapter's news in the [dedicated section of the website](#).

(communicated by Cristina García Miró)

URSI Egypt Chapter

The Women in Radio Science Chapter of the Egyptian National Committee already held 3 sessions along with the NRSC conferences in 2018, 2023, and 2024. At the occasion of the 2025 edition, the WIRS Chapter in Egypt organised again a succesful session.

More information to follow in our next Newsletter.

(communicated by Rowayda Sadek)



URSI ECRs – Early Career Representatives

URSI ECR Spotlight - Ever Dreamed of Visiting Australia? Here's Your Chance!

Hello, Early Career Scientists!

The programme for URSI AP-RASC 2025 is being set up and it's already looking strong across a wide range of topics. From general lectures on mmWave 6G communications and terahertz sensing, to keynotes on time-frequency metrology, space weather, and AI-driven signal processing—there's valuable content for researchers at all stages.

Workshops and short courses will also be available, offering practical insights on radio science and engineering in disaster risk-assessment, management and alleviation.

You will be able to browse the [full programme here](#).

If you're planning to attend, be sure to take advantage of [early bird registration](#), which is open until 7 June, 2025.

Secure your spot!!

Finally, we'd like to hear your thoughts. From your perspective as a young scientist, what do you feel is missing in URSI conferences? Reach out to us at ECRnews@ursi.org—your input helps us improve how URSI supports the next generation.

Until next time, Ricardo Figueiredo, URSI ECR Editor

(Communicated by Ricardo Figueiredo)



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URSI Membership

The purpose of individual membership of URSI is to secure professional recognition of individual radio scientists and to establish their better connection with the URSI Board of Officers, Scientific Commissions, and URSI Member Committees. Three categories of individual membership (URSI Corresponding Member, URSI Senior Member and URSI Fellow) have been established.

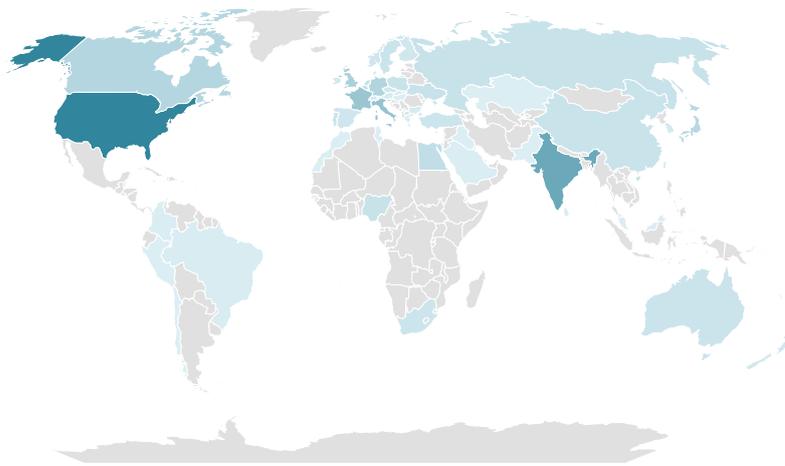
URSI Corresponding Membership is the first step into the URSI community and provides access to the proceedings of URSI Flagship Conferences via the website and notifications of new editions of URSI publications.

In addition, URSI Senior Members and URSI Fellows benefit from the following:

- Reduced registration fees at URSI Flagship Meetings.
- Reduced registration fees at some meetings organised by partnering organisations.
- A page charge reduction from 175 USD to 150 USD for papers published in the URSI journal, Radio Science Letters.
- An invitation to receive their individual membership certificate at an URSI Flagship meeting.

In order to provide some visibility to the URSI membership, we intend to publish, in each 1st issue of a new calendar year the current names of the URSI Fellows. In the 2nd issue of the calendar year we will publish the names and affiliations of the new URSI Senior Members.

URSI Senior Members



URSI Senior Members are now coming from 53 countries all over the world. Top 5 in number of Senior members are:

- USA: 153
- India: 102
- Italy: 63
- France: 59
- United Kingdom: 44

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URSI Senior Members – applications approved in 2024

At the end of 2023, URSI had 919 Senior Members and during 2024 the following new Senior Members joined our community:

Dr. Z. Akhter, Directed Energy Research Center, Technology Innovation Institute (United Arab Emirates)
 Dr. O. Allanson, Engineering Department, University of Birmingham (United Kingdom)
 Prof. M. Barbuto, Department of Engineering, Niccolò Cusano University (Italy)
 Dr. S.K. Biswas, Electronics and Communication Engineering, IIIT Delhi (India)
 Prof. J.O. Chibueze, Department of Mathematical Sciences, University of South Africa (South Africa)
 Prof. C. Cobos Sánchez, Universidad de Cádiz, Electronics (Spain)
 Dr. F. Cuccoli, Radar and Surveillance Systems Lab, CNIT (Italy)
 Dr. Z. Cui, Department of Electrical Engineering (ESAT), KU Leuven (Belgium)
 Prof. I. Cuiñas, Universidade de Vigo, Teoría do Sinal e Comunicaci3ns (Spain)
 Dr. M. Dalarsson, Electrical Engineering, KTH Royal Institute of Technology (Sweden)
 Dr. K.C. Durbhakula, Missouri Institute for Defense & Energy, University of Missouri-Kansas City (USA)

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Prof. L. Facheris, University of Florence, Department of Information Engineering (Italy)
 Prof. M. Ferrando-Bataller, ITEAM, Universitat Politècnica de València (Spain)
 Dr. B. Grison, Department of Space Physics, Institute of Atmospheric Physics of the Czech Academy of sciences (Czech Republic.)
 Dr. O. Gurav, Bharati Vidyapeeth, Department of Physics, Yashwantrao Mohite College of Arts, Science and Commerce (India)
 Prof. A. Iodice, DIETI, Università degli Studi di Napoli Federico II (Italy)
 Prof. L. Jofre-Roca, Signal Theory and Communications, Universitat Politècnica de Catalunya (Technical University of Catalonia) (Spain)
 Dr. T. Karacolak, School of Engineering and Computer Science, Washington State University Vancouver (USA)
 Dr. A. Kumari, Solar Physics Lab, NASA Goddard Space Flight Center (USA)
 Dr. A. Lazaro, Universitat Rovira i Virgili, Department of Electrical and Automatic Electronic Engineering (Spain)
 Dr. F. Mangini, Department of Information Engineering, Electronics and Telecommunications, Sapienza University of Rome (Italy)
 Ms. T.M. Martín-Guerrero, Ingeniería de Comunicaciones, E.T.S.I. Telecomunicación, Universidad de Málaga (Spain)
 Dr. N. Kumar Maurya, Vishnu Institute of Technology, Bhimavaram, Electronics and Communication Engineering (India)
 Prof. A. Monti, Mechanical, Electronic and Industrial Engineering, Roma Tre University (Italy)
 Dr. A. Navarrini, Central Development Laboratory, NRAO (USA)
 Dr. V. Palazzi, Engineering, University of Perugia (Italy)
 Mr. R.T. Parris, Air Force Research Laboratory, Office of the Deputy Technology Executive Officer (USA)
 Prof. W.W. Pascher, Institute of High-Frequency Technology, University of the Bundeswehr Munich (Germany)
 Dr. M. Pezzopane, Istituto Nazionale di Geofisica e Vulcanologia (Italy)
 Prof. A. Randazzo, Department of Electrical, Electronic, Telecommunications Engineering, and Naval Architecture, University of Genoa (Italy)
 Dr. T. Renkwitz, Radar Remote Sensing, Leibniz Institute of Atmospheric Physics at the University of Rostock (Germany)
 Prof. E.R. Reyes, Comunicaciones, Univ Politecnica de Valencia (Spain)
 Dr. B. Roy, School of Electronics Engineering, VIT-AP University (India)
 Ms. N. Saha, Electrical Engineering, The University of Texas at Dallas (USA)
 Dr. A. Santra, Collins Aerospace, Communication, Navigation and Surveillance (India)
 Dr. F.K. Schinzel, National Radio Astronomy Observatory, (USA)
 Prof. D. Segovia-Vargas, Teoría de la Señal y Comunicaciones, Universidad Carlos III de Madrid (Spain)
 Dr. H. Shaiek, Conservatoire National des Arts et Métiers (France)
 Dr. Z.I. Shaikh, University of California Berkeley, Space Sciences laboratory, (USA)
 Dr. S. Shome, Electronics & Communication Engineering, Bengal College of Engineering & Technology (India)
 Prof. H. Sone, Data Synergy Organization, Tohoku University (Japan)
 Dr. S.K. V, Department of Space, National Remote Sensing Centre (NRSC), ISRO (India)
 Dr. L. Wu, University of Luxembourg, Interdisciplinary Centre for Security, Reliability and Trust (SnT) (Luxembourg)
 Dr. P. Zucca, Astronomy Group, ASTRON - Netherlands Institute for Radio Astronomy (Netherlands)

URSI as a member of the ISC GeoUnions

International Decade of Science for Sustainable Development – Distinguished Lecture Series

At the time of writing, we just finished another webinar in the series of Distinguished Lectures in the framework of the International Decade of Science for Sustainable Development.

The third in the new series was presented by Professor William G. Moseley (Dewitt Wallace Professor of Geography and Director of the Program for Food, Agriculture and Society, Macalester College, Saint Paul, MN USA) on Tuesday 13 May 2025 and was entitled “Decolonizing African Agriculture: Food Security, Agroecology and the Need for Radical Transformation”

The webinar was recorded and is now available on the [URSI YouTube channel](#).

Prof William Moseley's new book analyzes the history of food security and agricultural development initiatives in post-colonial Africa and outlines a vision for future prosperity. The book's main argument has three parts.

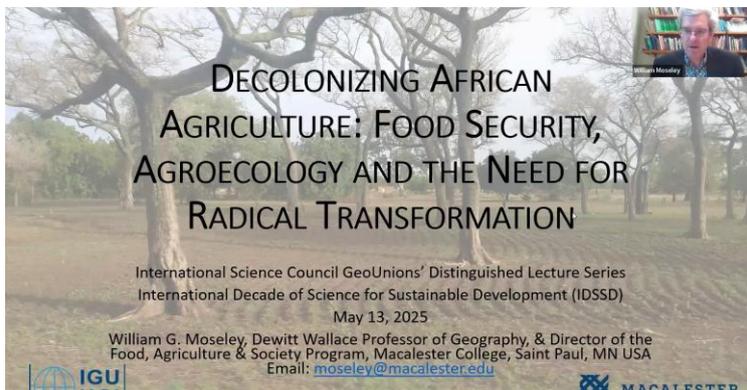
First, development organizations and governments will only begin to seriously address food insecurity (SDG2) in Africa when they more fully question the assertion that a narrow focus on production agriculture is the solution, an



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idea that is central to crop science or agronomy. Second, agricultural development must be seen as more than the first step in an industrial development process, but as a sustainable livelihood that has value in and of itself. Third, an agroecological approach, combined with good governance, will allow people to have greater control over their food systems, produce healthy food more sustainably, and enhance access to food by the poorest of the poor. Following a broad conceptual introduction emphasizing political agronomy and political ecology, Moseley reviews past food security and agricultural development experiences in four countries where he has undertaken research: Mali, Burkina Faso, South Africa and Botswana. He then examines successful efforts in each of the aforementioned countries and outlines future directions that emphasize agroecology, or the application of ecological principles to agricultural systems. He concludes with some ideas about institutions at the national, regional and international levels. To build more resilient food systems and a different kind of development, new institutions will need to emerge that support agroecology and vibrant rurality.

Professor William G. Moseley is DeWitt Wallace Professor of Geography, and Director of the Food, Agriculture and Society Program, at Macalester College in Saint Paul, MN. His research focuses on tropical agriculture, food security, environment and development, particularly in Africa. He is the author or co-author of more than 100 peer reviewed journal articles and book chapters, as well as 12 books. His research has been funded by the US National Science Foundation, the US Fulbright-Hays Program, and the American Geographical Society. In 2022-2023, he was a Phi Beta Kappa scholar and in 2016 he was awarded the Kwadwo Konadu-Agyemang Distinguished Scholar Award by the AAG. He currently serves as president of the Mandé Studies Association (MANSA) and Vice President of the American Association of Geographers (AAG). He previously served as a member of the United Nations High Level Panel of Experts for Food Security and Nutrition (HLPE-FSN). His commentaries have appeared in the New York Times, the Washington Post and Al Jazeera English.



URSI Channel on YouTube

Keep on checking our YouTube channel... we add new recordings on the channel.

URSI and IAGA formed a joint working group at the occasion of the 2023 URSI General Assembly in Sapporo, Japan in 2023. This working group



organises on a regular basis webinars and presentations. These can be found on the [GeoDAWG YouTube channel](#), but we also added them to our URSI YouTube channel.

Make sure to check them out and subscribe to our channel!

Stimulating and co-ordinating, on an international basis, studies, research, applications, scientific exchange, and communication in the fields of radio science

Implementing data assimilation into the BAS Radiation Belt Model

Matthew Lang, Sarah Glauert, Richard Horne

British Antarctic Survey

IGA GeoDAWG Virtual Seminar Series

06 May 2025

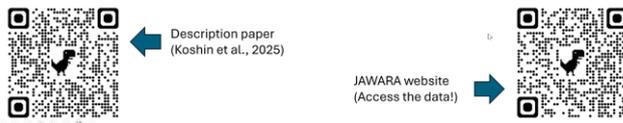
Matt Lang

GeoDAWG seminar 2025-04-01

The JAGUAR-DAS Whole neutral Atmosphere Reanalysis: JAWARA

Dai Koshin^{*1,2}, Kaoru Sato³, Shingo Watanabe⁴, and Kazuyuki Miyazaki⁵

¹JSPS Overseas Research Fellow
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³The University of Tokyo
⁴Japan Agency for Marine-Earth Science and Technology
⁵Jet Propulsion Laboratory, California Institute of Technology



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Dai Koshin



Developments in a data assimilation algorithm for ion drift estimations

Presenter: Jiahui Hu
 Advisor: Seebany Datta-Barua

IGA GeoDAWG Virtual Seminar Series

04 March 2025

Jiahui Hu



Local Mapping of Polar Ionospheric Electrodynamics (Lompe)

Karl Laundal
 Thanks to:
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github.com/klaundal/lompe
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