

# IASPEI Newsletter

March 2025

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## Joint IAGA – IASPEI Scientific Assembly 2025



## Foreword

Dear Readers,

I hope this Newsletter finds you all well.

In this short Newsletter, we remind you of the **abstract-submission deadline** for our forthcoming Assembly in Lisbon, Portugal and repeat the call for an IASPEI Medal awardee 2025.

Further, we have the EMSEV 2024 Report and the Meetings Calendar. Please do not forget to send me information or corrections about international conferences and workshops with IASPEI related topics. This list can only be complete and correct if I receive information about such events and can update the Meetings Calendar of future Newsletters.

Best regards,

Johannes Schweitzer  
Secretary General

**The IAGA / IASPEI Joint Scientific Meeting will be held 31 August – 5 September 2025 in Lisbon, Portugal.**

IASPEI together with the LOC organizes an **IASPEI School for Early Career Scientists** in the week before the Assembly, this time, in collaboration with the IAGA School. Details about the program and how to apply for one of the participant places can be found on the Assembly website.

**12 March 2025 – Abstract Submission Deadline**

**12 March 2025 – Application Deadline for IASPEI School**

**17 April 2025 – Abstract Acceptance / Travel Grants Notification / IASPEI School Acceptance**

**21 May 2025 – Early Bird registration deadline**

## Call for IASPEI Medal 2025 nominations

The award of an IASPEI medal has been decided during the 2011 General Assembly in Melbourne.

The IASPEI medal is awarded for sustaining IASPEI goals and activities and for scientific merits in the field of seismology and physics of the Earth's interior. The IASPEI Bureau is in charge of taking the decision about who, among the candidates nominated at large, will be the medal recipient.

Until now, the IASPEI Medal has been awarded to Robin Adams (2013), Willie H.K. Lee (2015), Bob Engdahl (2017), Brian Kennett (2019), Barbara Romanowicz (2021) and Harsh Gupta (2023).

Nominations of candidates for the IASPEI Medal 2025 are due until **31 March 2025**. The Medal will then be presented during the Opening Plenary of the Assembly, 1 September 2025.

Please send nominations attached with a CV of the candidate and a letter of motivation for the nomination to:

Johannes Schweitzer, IASPEI Secretary  
General (iaspei@norsar.no)

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## 2024 EMSEV Report

EMSEV ('Electromagnetic Studies of Earthquakes and Volcanoes') is an Inter-Association Working Group of the IUGG and the EMSEV activities are supported by IAGA, IASPEI and IAVCEI.

EMSEV has continuously investigated earthquakes and active volcanoes and has worked to better understand the physical and dynamic processes. Based on the expertise of a worldwide community of now 401 researchers and students, EMSEV sustains innovative

research and findings mainly on electromagnetism (EM), integrating with other geophysical data.

### ADMINISTRATION

In 2024, a EMSEV General Meeting was held after six years in Chania, Greece. At this EMSEV2024 meeting, a Bureau business meeting was held to approve a proposed new board structure until the 2026 General Meeting. Six new board members were added, considering national balance and gender issues. Professor Qinghua Huang (IASPEI liaison) of Peking University was elected vice chairperson of EMSEV. Details can be found at: <https://www.emsev-iugg.org/emsev/profile.html>

The most important activity of 2024 was the organization of EMSEV2024 from October 6th to 9th. The meeting was attended by 70 people from 16 countries and regions, and there were 44 oral and 29 poster presentations.

A highlight worth mentioning was a two-day training course for young/new researchers that was held before EMSEV2024 started entitled "Advances in Space and Ground base studies of Earthquakes and Volcanoes. New Concepts". Around 10 researchers participated in this event, and lectures were given on the latest research results and analysis methods.

Furthermore, EMSEV related sessions were proposed at several other Assemblies (EGU, JpGU, IWEP, AGU, SSA, ESC, etc.) as well as at IUGG-related scientific meetings.

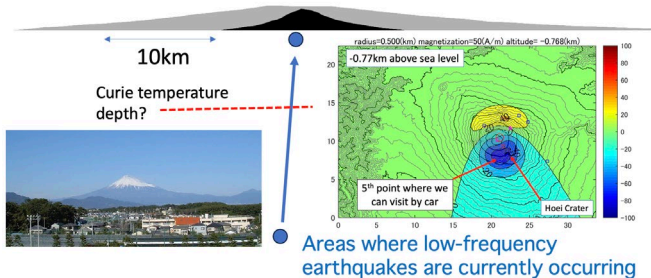
### SELECTED JOINT RESEARCH ACTIVITIES

#### Activity on volcanoes (Mt. Fuji, Japan)

In 2024, a new 3-year grant from the Ministry of Education, Culture, Sports, Science and Technology of Japan (MEXT) was awarded to establish a new geomagnetic station on Mt. Fuji, around the 5th point of southern flank, with the EMSEV chair as the principal investigator. Using this grant, a geomagnetic station will be established at the southern foot of the mountain.

Professor Kazuyoshi Z. Nanjo, EMSEV collaborator, applied a matched-filter method to low-frequency volcanic earthquakes on Mt. Fuji and found that volcanic earthquakes had increased and changed in structure following a magnitude 5.9 earthquake that occurred almost directly beneath Mt. Fuji four days after the devastating (M9) Tohoku Earthquake (M9). (Nanjo et al., 2023, <https://doi.org/10.1038/s41598-023-37735-4>).

### Mt. Fuji and Mauna Loa (no-vertical exaggeration)



The figure is a model calculation of ascending magma. Based on observations of low-frequency volcanic earthquakes, it is believed that the magma reservoir is currently distributed around 20 km underground. The calculation results assume that the radius of the magma reservoir is 500 m, that this spherical area is completely demagnetized, and that it rises toward the summit.

### Satellite-based Earthquake and Volcanic Eruption Prediction Project

In 2018, EMSEV concluded an MoU with the Institute of Crustal Dynamics, China Earthquake Administration (at the time) in China, particularly regarding satellite observation data.

In addition, in recent years, EMSEV has been involved in many activities based on satellite data. EMSEV will continue to support these activities and will have the plan to continue to organize training courses at a biennial EMSEV meeting.

T. Nagao, V. Tramutoli, Q. Huang, J-Y Liu, EMSEV bureau members.

## Meetings Calendar

We report below forthcoming meetings relevant to the interests of IASPEI scientists. If you are aware of events not listed below or changes regarding these events, please inform the Secretary General. The meeting calendar is also available on the IASPEI website.

### 2025

#### SSA Annual Meeting 2025

April 14 – 18, 2025, Baltimore, Maryland, USA

URL: [https://](https://www.seismosoc.org/meetings/past-and-future-ssa-annual-meetings)

[www.seismosoc.org/meetings/past-and-future-ssa-annual-meetings](https://www.seismosoc.org/meetings/past-and-future-ssa-annual-meetings)

#### EGU 2025 General Assembly

April 27 – May 2, 2025, Vienna, Austria

URL: <https://www.egu25.eu/>

#### 2025 Glacial Isostatic Adjustment Workshop

June 2 – 6, 2025, Sidney, British Columbia, Canada

URL: <https://polenet.org/2025-gia-workshop/>

#### International Symposium on Earthquake Forecasting to Commemorate the 50<sup>th</sup> Anniversary of the 1975 Haicheng M7.3 Earthquake

July 8 – 11, 2025, Shenyang, Liaoning, China

URL: <https://www.ief.ac.cn/hceq50>

#### IASPEI 43<sup>rd</sup> Scientific Assembly as 4<sup>th</sup> Joint Assembly with IAGA

August 31 – September 5, 2025, Lisbon, Portugal

URL: <https://iaga-iaspei-2025.org>

#### SnT2025

September 8 – 12, 2025, Vienna, Austria

URL: <https://conferences.ctbto.org/event/30/>

#### 9<sup>th</sup> Arab Conference on Astronomy and Geophysics (ACAG9)

October 13-16, 2025, Cairo, Egypt

URL: <http://www.acag-conf.org/>

## **SSA Fall Topical Meeting 2025: Environmental Seismology: Planning for the Planet's Future**

October 14 – 17, 2025, Denver, Colorado,  
USA

URL:

<https://www.seismosoc.org/environmental-seismology/>

## **2<sup>nd</sup> Eurasia Geoscience Congress (EGCE)**

November 2 – 6, 2025, Ankara, Türkiye

URL: <https://eurasiacongress.org>

## **AGU Fall Meeting**

December 15 – 19, 2025, New Orleans,  
Louisiana, USA

URL: <https://www.agu.org/Fall-Meeting>

## **2026**

### **SSA Annual Meeting 2026**

April 14 – 17, 2026, Pasadena, California,  
USA

URL: [https://](https://www.seismosoc.org/meetings/past-and-future-ssa-annual-meetings)

[www.seismosoc.org/meetings/past-and-future-ssa-annual-meetings](https://www.seismosoc.org/meetings/past-and-future-ssa-annual-meetings)

### **16<sup>th</sup> ASC General Assembly**

April 25 – 29, 2026, Tashkent, Uzbekistan

### **VI LACSC General Assembly**

August 3 – 9, 2026, Morelia, Mexico

### **12<sup>th</sup> SCAR Open Science Conference**

August 8 – 18, 2026, Oslo, Norway

### **40<sup>th</sup> ESC General Assembly**

September 6 – 11, 2026, Istanbul, Türkiye

## **AGU Fall Meeting**

December 7 – 11, 2026, San Francisco,  
California, USA

URL: <https://www.agu.org/Fall-Meeting>

## **2027**

### **IASPEI 44<sup>th</sup> General Assembly**

### **IUGG 29<sup>th</sup> General Assembly**

July 15 – 25, 2027, Incheon, Rep. of Korea

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## **General Information about IASPEI**

The International Association of Seismology and Physics of the Earth's Interior [IASPEI] is one of the eight Associations of the International Union of Geodesy and Geophysics (IUGG, <http://www.iugg.org/>).

The other seven IUGG Associations are:

- International Association of Cryospheric Sciences (<http://www.cryosphericciences.org/>)
- International Association of Geodesy (<http://www.iag-aig.org/>)
- International Association of Geomagnetism and Aeronomy (<http://www.iaga-aiga.org/>)
- International Association of Hydrological Sciences (<https://iahs.info/>)
- International Association of Meteorology and Atmospheric Sciences (<http://www.iamas.org/>)
- International Association for the Physical Sciences of the Oceans (<http://www.iugg.org/iapso/>)
- International Association of Volcanology and Chemistry of the Earth's Interior (<https://www.iavceivolcano.org/>)

### **Scientific Assemblies**

IASPEI holds an Ordinary General Assembly every four years in conjunction with each Ordinary General Assembly of IUGG. In the middle between the General Assemblies, IASPEI holds a Scientific Assembly, sometimes as joint meeting with one of the other IUGG Associations.

### **Participation in IASPEI Activities**

Since July 2015, all scientists participating in IASPEI activities are counted as members of IASPEI (see <http://www.iaspei.org/about/statutes-and-by-laws>). IASPEI welcomes all scientists throughout the world to join in seismological research.

IASPEI is subdivided into several Commissions, some of which have working groups for the study of particular subjects in their general areas of interest. On occasion, these internal IASPEI groups issue their own newsletters or circulars, and many maintain their own websites. At the IASPEI Assemblies, the groups organize specialist symposia, invite scholarly reviews and receive contributed papers that present up-to-the-minute results of current research. The IASPEI website gives, or provides links to, information on the range of IASPEI activities.