



*IUGG Inter Association
IAGA-IASPEI-IAVCEI*

EMSEV2026 in Kumamoto

Electromagnetic Studies of Earthquakes and Volcanoes

Photo taken: July 8, 2026



August 24-28, 2026, Kumamoto, Japan

**Aso Kumamoto Rinku Campus, Tokai University
and**

Kumamoto city International Center



THIS MEETING IS SUPPORTED BY THE IUGG MEETING SUPPORT GRANT IN 2026

Preface

In October 2024, Kumamoto, Japan, was selected as the host city for EMSEV 2026. This decision was made in recognition of the significance of the year 2026, which marks the tenth anniversary of the 2016 Kumamoto Earthquake and the fifteenth anniversary of the 2011 Great East Japan (Tohoku) Earthquake.

The 2016 Kumamoto Earthquake caused extensive damage to the Faculty of Agriculture of Tokai University. It was subsequently confirmed that the Aso Campus had been situated directly above the Futagawa Fault Zone, which ruptured during the earthquake. Today, the former campus has been preserved as the Kumamoto Earthquake Memorial Museum (KIOKU), serving as a lasting reminder of the disaster and contributing to disaster education for future generations.



The previous EMSEV conference held in Japan took place in 2012 in Gotemba, Shizuoka Prefecture, at the foot of Mount Fuji. It is therefore a great pleasure to welcome the EMSEV community back to Japan after an interval of fourteen years.

While the final preparations for EMSEV 2026 were underway, the Kumamoto Earthquake of 28 July 2026 (MJMA 7.1; Mw 6.8) struck, causing considerable damage, particularly in the southern part of Kumamoto Prefecture. Fortunately, the conference venue and the surrounding area in central Kumamoto were not significantly affected. After careful consideration, the Organizing Committee confirmed that EMSEV 2026 would proceed as scheduled.

We sincerely hope that this conference will not only provide an outstanding forum for scientific exchange but also offer participants an opportunity to reflect on the lessons learned from recent earthquakes and to strengthen international collaboration in advancing research on earthquakes, volcanoes, and related geophysical phenomena.

EMSEV Chair

EMSEV2026 LOC Chair

Toshiyasu Nagao

Local Organizing Committee

Chairperson **Toshiyasu Nagao** (EMSEV Chair)

Invited Professor: Tokai University and the University of Shizuoka

Representative Director, Earthquake Prediction Society of Japan (General Incorporated Association)

LOC from the Board of Directors of the Earthquake Prediction Society of Japan

Katsumi Hattori, Chiba University

Yasuhide Hobara, The University of Electro-Communications

Kuniyuki Motojima, Gunma University

Ken Umeno, Kyoto University

Ryoichi Kouda, Former affiliation: National Institute of Advanced Industrial Science and Technology

Masashi Hayakawa, The University of Electro-Communications

Tokai University Executive

Hitoshi Kinouchi, Vice President for Kyushu Campus, Tokai University

Yoshikazu Hoshi, Dean of the School of Agriculture, Tokai University

Hiroshi Saito, Dean of the School of Marine Science and Technology, Tokai University

Akihiko Tanaka, School of Marine Science and Technology, Tokai University

Atsushi Mikami, School of Architecture and Urban Planning, Tokai University

Japanese EMSEV members and Collaborators

Takeshi Hashimoto, Hokkaido University

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Minoru Tsutsui, Kyoto Sangyo University

Masashi Kamogawa, University of Shizuoka

Kazuyoshi Z. Nanjyo, University of Shizuoka

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Scientific committee

Chairperson

NAGAO, Toshiyasu, Institute of Oceanic Research and Development, Tokai University (EMSEV Chair)

Committee Members (EMSEV executives)

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past EMSEV executives

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NINA, Aleksandra, Institute of Physics Belgrade, National Institute of the Republic of Serbia, University of Belgrade, Serbia

Thematic Fields

- (1) Electromagnetic signals associated with earthquakes and volcanoes
- (2) Electromagnetic methods for seismicity monitoring.
- (3) Investigating the mechanisms and impacts of earthquake triggering.
- (4) Integration of electromagnetic and other geophysical observations (mechanical, geochemical, seismological, geodetic, etc.).
- (5) Reliability of precursor signals of earthquakes and volcanic eruptions.
- (6) Satellite Remote Sensing for volcanic and seismic hazard.
- (7) Theoretical and laboratory studies for understanding seismic and volcanic phenomena.
- (8) Ongoing international initiatives (EMSO, EPOS, GEOSS, etc.), recent and future satellite missions (CSES, Swarm, PRELUDE, etc.).
- (9) Lithosphere, atmosphere, and ionosphere couplings associated with earthquakes and volcanic activities.
- (10) Electromagnetic imaging and modeling of seismic and volcanic structures.
- (11) Signal recognition, data processing, and modeling, especially using AI techniques.



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