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JOINT SCIENTIFIC MEETING

LISBON 2025

IAGA / IASPEI Joint Scientific Meeting

31 August - 5 September 2025
Lisbon, Portugal

BOOK OF ABSTRACTS



International Association
of Geomagnetism and Aeronomy



IASPEI

International Association of Seismology
and Physics of the Earth's Interior

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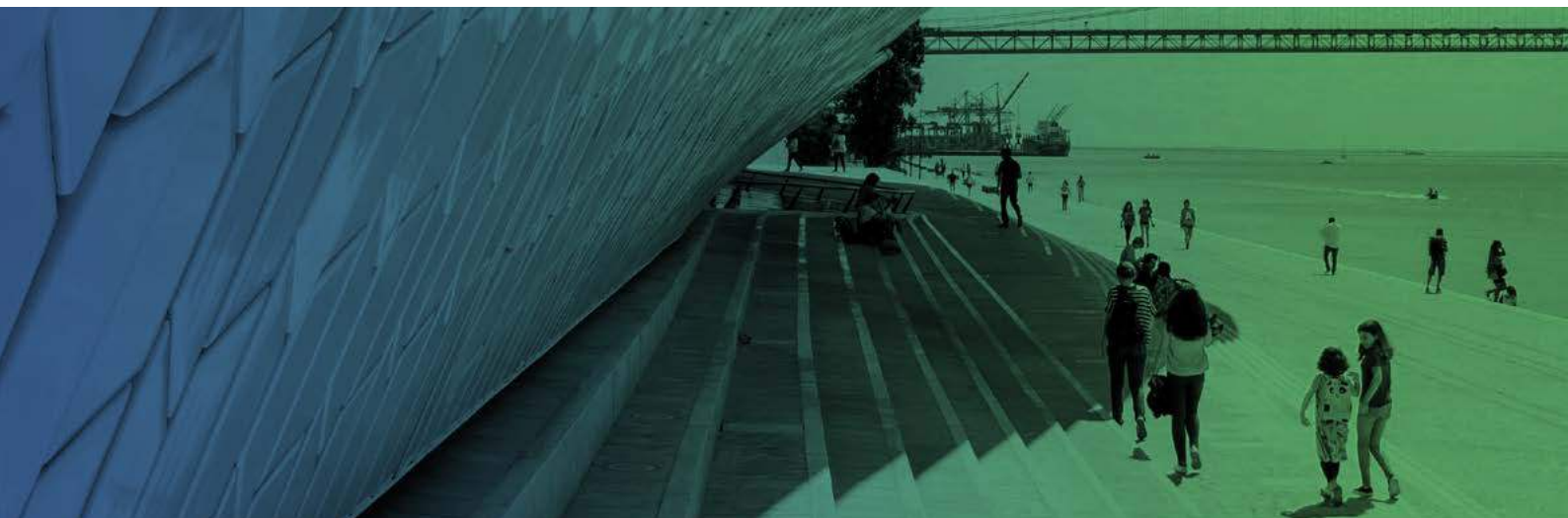
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Oral Sessions Overview

		A.2.3	A.2.8/9	A.2.11	A.2.12/13	A.2.16/18	C.2.12	C.2.13	C.2.14	C.2.22	C.2.23	C.3.1	C.3.7	C.3.16
MON 1 Sept	08:30-10:00	IASPEI Opening Plenary (Main Auditorium)					A26	A35	A04	A27	A12		A30	
	11:00-12:30	S04	J06	S03	J09	J11	A26	A35	A04	A27	A12	S15	A30	
	14:00-15:30	S04	J06	S03	J09	J11	A26	A33/A34	A04	A27	A12	S15		
	16:30-18:30	S04	J06	S03	J09	J10	J11	A33/A34	A04	A27	A12	S15		
TUE 2 Sept	08:30-10:00	S04	J05	S05	S16	J10	A06	A33/A34	A23	A27	A16	S15	A24	
	11:00-12:30	S01	J05	S05	S16	J10	A06	A05	A23	A27	A16	S15	A24	
	14:00-15:30	S01	J05	S05	S21	S12	A01/A02	A05	A23	A27	A15	S18	A24	
	16:30-18:30	S01	J05	S05	S21	S12	A01/A02	A05	A23	A27	A15	S18	A24	
WED 3 Sept	08:30-10:00	S01	J02	S17		S12	A01/A02	A10	A31	A27	A13	S18	A18	
	11:00-12:30		S20		S09	S12	IAGA Award Ceremony (Main Auditorium)					S18		
	14:00-15:30	S22	J02	S10	J08/S23	S12	A11	A10	A31	A32	A13	S18	A18	
	16:30-18:30	S22	J02	S10	J08/S23		A11	A10	A31	A32	A13	S18	A18	
THU 4 Sept	08:30-10:00		J04	S10	J07/S06	S08	A03	A22	A31	A32	A13	S13	A20	
	11:00-12:30	S02	J04	S10	J07/S06	S08	A07	A22	A31	A32	A14	S13	A20	
	14:00-15:30	S02	J04	S10	J07/S06	S19	A07	A22	A03	A28	A14	S13	A20	
	16:30-18:30	S02	J04	S10	J07/S06	S19	A07		A03	A28	A14	S11	A20	
THU 4 Sept	08:30-10:00	S02	J03		J01	S07	A08	A25	A29	A28	A14	S11	A21	A09
	11:00-12:30	S02	J03		J01	S07	A08	A25	A29	A28	A14	S11	A21	A09
	14:00-15:30	IASPEI Closing Plenary (Main Auditorium)					A17	A25	A29	A28	A14		A21	
	16:30-18:30													

Please note the symposia schedule is subject to change.

AS25-1458

Rigid crustal blocks identified by magnetic anomalies and earthquake hypocenters, and the seismic process features in their vicinity (Baikal Rift)

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Analysis of data on the hypocenters of seismic events and the distribution of magnetic field anomalies in the areas of the central and southern parts of Lake Baikal revealed several aseismic structural elements in the Earth's crust that spatially coincide with positive magnetic anomalies. For example, such an anomaly was found in the southern part of Lake Baikal. The aseismic region basically coincides with the contours of the magnetic anomaly, which makes it possible to consider this structure more rigid than the surrounding structures. It is important that all strong earthquakes with a magnitude >5 occurred only along the boundaries of this anomalous body. Another example concerns the Zarechensk batholith of Late Archaic age, which is located on the eastern coast in the central part of Lake Baikal. For this anomalous body with high magnetization, the depth of the lower edge was determined by solving the inverse problem. The depth of occurrence was 18–20 km, with good convergence of the inversion results using various methods. It is determined that the Curie temperature for gneisses of the Zarechensk magnetic anomaly is 600 °C. Since the depth of the batholith exceeds 20 km, as indicated by earthquake hypocenters along its vertical boundaries, it can be argued that the lower edge of the magnetized body at a depth of 18–20 km is the Curie boundary with a temperature of about 600 °C. It was also found that rigid bodies in the Earth's crust significantly affect the parameters of aftershock processes.