

British Seismology Meeting 2022 – Poster Programme

Downing College, Cambridge, September 12-14

Poster #	Presenting author	Title
1	Lisanne Jagt	Global 3D Models of Mantle Attenuation Using Two Methods of Normal Mode Inversion
2	Frederica Restelli	Resolving Large-Scale Isotropic Mantle Structure Using Backus-Gilbert Type Inversions Applied to Normal Modes
3	Auggie Marignier	Proximal MCMC: Towards Building a Sparse Earth Model
4	Fabrizio Magrini	Multi-scale joint inversion of Rayleigh and Love phase velocities in Australia and SE Asia using SeisLib
5	Malcolm Sambridge	CoFI: Linking geoscience inference problems with tools for their solution
6	Ee Liang Chua	Waveform Tomography of the Antarctic Continent
7	Stuart Russell	EllipticiPy and MantlePy: 3D ray-theoretical corrections to teleseismic phases
8	George Pindar	Seismic Observations of Regional-Scale 660 km Discontinuity Topography
9	Sophie Baker	Unveiling Sabah's complex mantle transition zone with nBOSS
10	Joseph Fone	Ambient noise tomography of post-subduction setting in northern Borneo enhanced with machine learning
11	Harry Linang	Crustal thickness variations in northern Borneo, from VDSS
12	Amy Gilligan	Probing into the crust through eastern Scotland
13	Adam Robinson	Crustal Structure of the Ultra-Slow Spreading South West Indian Ridge at 64°30'E from 3-D Wide-Angle Seismic Tomography
14	Szu-Ying Lai	Deep-sea Seismic While Drilling Experiments on the Mid-Atlantic Ridge in Small-scale Hydrothermal mound imaging
15	Chris Ogden	The Copper Basin Exploration Science Project: Examining the Crustal Structure of Zambia using Broadband Seismology
16	Hannah Rane	Shear-Wave Splitting and Anisotropy Measurements as a

		Stress Indicator
17	Cunrui Han	Multi-scale Anisotropy in NE Asia: Evidence for Localized Sub-lithospheric Convection
18	Ian Bastow	Broadband seismological analyses in the Eastern Mediterranean: implications for Anatolian plateau uplift and the development of the North Anatolian Fault
19	Ahmed Madani	Improving the earthquake catalogue and tectonic understanding of the North Anatolian Fault, Turkey
20	Lukman Inuwa Gani	Ambient Seismic Noise Characterisation of the Dense Array for North Anatolia (DANA), Turkey
21	Rebecca Colquhoun	Earthquake determinism: a global investigation using early measurements of seismograms
22	Laura Parisi	A new local magnitude scale for earthquakes in the Gulf of Aqaba and northern Red Sea (NEOM region)
23	Abdelhakim Ayadi	Empirical Calibration of earthquake magnitudes for the Tell Atlas (Northern Algeria)
24	Alice Turner	Using Principal Component Analysis to Align Deep Moonquake Waveforms
25	Natalia Poiata	The Automatic ISC Body- and Surface-Wave Magnitude Estimation
26	Ryan Gallacher	Seismic Station Polarity Reversal Detection Using Parametric Data from the ISC Bulletin
27	Will Reis	Low-cost Earthquake Early Warning Systems in four countries of Central America: Nicaragua, El Salvador, Costa Rica and Guatemala
28	Victoria Lane	SEIS-UK: Delivering NERC's Onshore Seismic Facility for the UK Earth Science Community
29	Cansun Guralp	A New Approach to Seismic Sensor Design
30	Jessica Hawthorne	Surface wave modulation of tremor: evidence for frictional sliding?
31	Heather Kennedy	Fault Characterisation of the Los Humeros Geothermal Field using Three-component Beamforming of Ambient Seismic Noise
32	Farida Ousadou	Stress field variations along the Maghreb region derived from inversion of major seismic crisis fault plane solutions

33	Nicola Taylor	Too Many Large Earthquakes: The Causes and Consequences of Supercritical Stress
34	Tom Winder	Microseismicity of the Macquarie Ridge Complex
35	Alice Blackwell	Automated detection of teleseismic depth phases, and earthquake relocation at intermediate depths
36	Russell Azad Khan	Modelling the probabilities of anomalous seismicity rate increases prior to mainshocks
37	Ana Nap	Investigating ice flow dynamics at Greenland's fastest glacier with passive seismology
38	Jamie McCann	Analysis of Seismic Anisotropy of Askja Volcano During Deflation and Subsequent Inflation Using Shear Wave Splitting
39	Miriam Gauntlett	Seismic Tomography of Nabro Caldera, Eritrea: Insights into the Magmatic and Hydrothermal Systems of a Recently Erupted Volcano
40	Andrew Bell	Patterns of Seismicity During Recent Eruptions at Basaltic Caldera Volcanoes in the Galápagos Islands, Ecuador

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