

Sunday, 22nd August 2021

Poster Hall -

Chair - Prantik Mandal, Vineet Gahalaut

J1 - Earth and planetary core structure and evolution from observations and modelling

S. No.	Time	Abstract Title	Presenting Author
1	1615 - 1622 hrs	Observations of Multiple Podal & Antipodal Reverberations on Dense Seismic Networks	Thanh Son Pham

2.3 - Stratosphere-Mesosphere-Thermosphere-Ionosphere System – Long-Term

S. No.	Time	Abstract Title	Presenting Author
1	1622 - 1629 hrs	Climate Changes in the Upper Atmosphere: Contributions by the Changing Greenhouse Gas Concentrations and Earth's Magnetic Field From the 1960s to 2010s	Liyang Qian
2	1629 - 1636 hrs	MLT Summer Length Defined by Mean Zonal Wind Features Observed for More Than One Solar Cycle at Mid- and High-Latitudes in the Northern Hemisphere.	Juliana Jaen
3	1636 - 1643 hrs	TIRO: A project to gain insight into the topside ionosphere using LEO satellites	Lucas Schreiter
4	1643 - 1650 hrs	Determination of vortex current structure in the high-latitude ionosphere with associated GIC bursts from ground magnetic data	Vladislav Chinkin

3.8 - Recent Advances in Observations and Modeling of the Ring Current System

S. No.	Time	Abstract Title	Presenting Author
1	1650 - 1657 hrs	Multisatellite observations of field-aligned low-energy O ⁺ ion flux enhancements in the inner magnetosphere: September 22, 2018, Event	Masahito Nose
2	1657 - 1704 hrs	Storm-time Ion Composition Variations Inferred from Arase and Van Allen Probes Observations	Robert Haaser
3	1704 - 1711 hrs	Contribution of electron pressure to ring current and ground magnetic depression using RAM-SCB simulations and Arase observations during 7-8 November 2017	Sandeep Kumar
4	1711 - 1718 hrs	Cross-energy couplings from MSW to EMIC waves through cold ion heating inside the plasmasphere	Kazushi Asamura
5	1718 - 1725 hrs	On the long-term evolution of the ring current	Crisan Demetrescu
6	1725 - 1732 hrs	Variation of energetic ions during magnetic storm and substorm time: ERG (Arase) and Van Allen Probe Observations.	Bhaskara Veenadhari
7	1732 - 1739 hrs	Using Polar Cap (PC) indices to monitor magnetic storm developments	Peter Stauning

S15 - Structure of the lithosphere

S. No.	Time	Abstract Title	Presenting Author
1	1739 - 1746 hrs	Exploring the depth variation of crustal discontinuities and Lithosphere-Asthenosphere Boundary beneath the tectonically stable Central India	Himangshu Paul
2	1746 - 1753 hrs	Improving the Signal-to-Noise ratio of Converted seismic wave data using the Seislet Transform	Bijayananda Dalai
3	1753 - 1800 hrs	Crustal anisotropy in Arunachal Himalaya inferred from splitting of local S waveforms	Undapalli Nanajee

S18 - CoTCS & ILP Task Force CoLiBri Integrated seismological studies of the continental lithosphere - what we can learn from seismic anisotropy and other geophysical methods about the (micro-) plate structure and fabrics

S. No.	Time	Abstract Title	Presenting Author
1	1800 - 1807 hrs	Lithospheric structure and active deformation beneath the NW Himalaya, India: Seismotectonic Implications	Shubhasmita Biswal
2	1807 - 1814 hrs	Shear wave splitting and mantle anisotropy beneath the Malani igneous province, Northwestern India	Saju D S

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S3 - CoSOI & CoESM Anthropogenic seismicity

S. No.	Time	Abstract Title	Presenting Author
1	2015 - 2022 hrs	Reactivations of a fault zone due to persistent seismicity in and around the Koyna-Warna area, Maharashtra, India	Surajit Misra
2	2022 - 2029 hrs	3D velocity structure in the reservoir triggered seismic environment of Koyna, India: A Local earthquake tomography using borehole seismic network	Shashidhar Dodla
3	2029 - 2036 hrs	Ground-motion prediction equations from reservoir-triggered earthquakes at Koyna-Warna region, India.	Nitin Sharma
4	2036 - 2043 hrs	Induced Earthquakes in the Weiyuan-Rongxian Shale Gas Field, Sichuan: A Case Study of Event Cluster Initiated by Hydraulic Fracturing	Jinping Zi
5	2043 - 2050 hrs	The 3d aspect ratio of surface water reservoirs on the subsurface stress changes and pore pressure diffusion for induced seismicity: the aguamilpa dam, mexico, revisited.	Miguel A. Santoyo
6	2050 - 2057 hrs	SEISMIC RISK – Mitigation of induced seismic risk in urban environments – evaluates induced seismic risk in urban areas of low seismicity intraplate areas	Annakaisa Korja

J2 - Application of geophysical studies for understanding lithospheric structure and properties

S. No.	Time	Abstract Title	Presenting Author
1	2057 - 2104 hrs	Comparative analysis of geological lineaments derived from satellite gravity and ASTER data in Cambay area of Gujarat.	Shiva Shankar Manche
2	2104 - 2111 hrs	Joint interpretation of potential field data to delineate crustal structure below the Pranhita-Godavari Graben: Tectonic Implications	Sumanta Kumar Sathapathy
3	2111 - 2118 hrs	Crust and the upper mantle structure below the Indian Ocean Geoid Low: Constraints from potential field modeling	Gokul Venu Sreebindu
4	2118 - 2125 hrs	Seafloor spreading magnetic anomalies in the Gulf of Mexico	Andreina Garcia Reyes
5	2125 - 2132 hrs	WDMAM version 2.1: improved global magnetic anomaly map	Jerome Dymont
6	2132 - 2139 hrs	Structural framework of the Western Dalma volcano-sedimentary basin, Eastern Indian shield based on the Bi-dimensional empirical mode decomposition and potential field modelling: implications	Santosh Kumar
7	2139 - 2146 hrs	Crustal structure and subsidence history of the SE India-Srilanka conjugate margin: constraints from Potential field modelling and Backstripping analysis	Ashutosh Singh
8	2146 - 2153 hrs	Morphotectonics of the Southwest Indian Ridge Between the Melville Fracture Zone and Rodriguez Triple Junction	Muhammad Shuhail
9	2153 - 2200 hrs	Delineation of the sedimento-crustal deformation in the Mannar Basin, along the south eastern continental margin of India	Nisha Nair

S8 - CoSOI Advances in geophysics, atmospheric science, and signal analysis for monitoring the CTBT

S. No.	Time	Abstract Title	Presenting Author
1	2200 - 2207 hrs	Infrasound Generation From The 2017 DPRK Underground Explosion	K. L. McLaughlin
2	2207 - 2214 hrs	Large chemical explosions of the Soviet period (1957-1988) on the territory of Kazakhstan as ground truth events	Inna Sokolova
3	2214 - 2221 hrs	Application of explosions records of 1997-2002 conducted on the territory of the Semipalatinsk Test Site for seismic calibration tasks	Inna Sokolova
4	2221 - 2228 hrs	On new aftershocks of the DPRK nuclear tests detected in April 2021	Ivan Kitov
5	2228 - 2235 hrs	Review I09BR Infrasound Detection	Lucas Barros

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Chair - M. Venkateshwarlu, Ranjana Ghosh

J9- Analogue Data for the Future: Preservation and Present-Day Utilization of Historical Data in the Geosciences

S. No.	Time	Abstract Title	Presenting Author
1	1615 - 1622 hrs	Preservation of Historical Australian Seismograms, Magnetograms and Geomagnetic Absolute Observations.	Hugh Glanville
2	1622 - 1629 hrs	Digital Archiving of Bromide Paper Records of Ground Tilt Observed in Kii Peninsula, Japan	Yasuyuki Kano
3	1629 - 1636 hrs	Prague-Clementinum Geomagnetic Observations from 1839 to 1926	Fridrich Valach
4	1636 - 1643 hrs	Observatori Fabra available data and documentation	Maria Teresa Merino
5	1643 - 1650 hrs	Analogue Seismographs Working in Bulgarian Sismological Stations during the Last Century	Liliya Dimitrova
6	1650 - 1657 hrs	Historical data on the earth's magnetic field for research on magnetosphere physics	Nataliya Sergeyeva
7	1657 - 1704 hrs	Preservation and Digitization of Analog Soviet Peaceful Nuclear Explosion Seismograms	Kevin Mackey

J2 - Application of geophysical studies for understanding lithospheric structure and properties

S. No.	Time	Abstract Title	Presenting Author
1	1704 - 1711 hrs	New insight into the Lithospheric architecture beneath the Bay of Bengal and its adjacent region	Prakash Kumar
2	1711 - 1718 hrs	Tectonic forces and Intraplate stress across the Indian Plate: Insights from finite element modelling	Akhil Mishra
3	1718 - 1725 hrs	Interpretation of Potential Field Data Across The Southeastern Part Of The Narmada - Son Lineament, Central India And Its Tectonic Implications	Naveen PU
4	1725 - 1732 hrs	Reactivation of Mahakoshal fold belt and role of tectonics associated with the Gondwana dispersal: constrains from the regional structure and gravity data.	Devika Maisnam
5	1732 - 1739 hrs	QUANTITATIVE MULTILEVEL ANALYSIS OF HEBRON MAGNETIC ANOMALY (ISRAEL)	Lev Eppelbaum
6	1739 - 1746 hrs	Geodynamic modeling of lithospheric removal and surface deformation – lithospheric delamination as an explanation for intraplate uplift in central Mongolia	Matthew Comeau
7	1746 - 1753 hrs	Mantle deformation along the Western Ghats: Insights from core-refracted shear wave splitting analysis	SRIBIN C
8	1753 - 1800 hrs	Is central dharwar region, part of south indian shield, a mid continental paleo rift zone? Evidence from regional gravity anomalies j. V. Rama rao1, b. Ravi kumar2 and b. Veeraiah3	Venkata Rama Rao Jammi
9	1800 - 1807 hrs	Pn Tomography and Anisotropic Study of the Indian Shield and the Adjacent Regions	Bhaskarao Illa
10	1807 - 1814 hrs	Sn wave Tomography of the Uppermost Mantle Beneath the Indian Shield and its Adjacent Regions	Bhaskarao Illa

1.4 - Earth's magnetic field and secular variation on all temporal and spatial scales

S. No.	Time	Abstract Title	Presenting Author
1	1814 - 1821 hrs	Recovery of rapid core motions: a synthetic study	Tobias Schwaiger
2	1821 - 1828 hrs	A python interface for global geomagnetic field models: pymagglobal	Maximilian Arthus Schanner
3	1828 - 1835 hrs	Spatial Uncertainty in the IGRF-13 Model: Where is it Most Accurate?	Ciaran Beggan
4	1835 - 1842 hrs	Application of Time-series and Machine Learning Techniques for geomagnetic main field forecasting	F. Javier Pavon Carrasco
5	1842 - 1849 hrs	The predictions of a new geomagnetic jerk around 2020 come true: insights from observatory and Swarm data	F. Javier Pavon Carrasco

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1.4 - Earth's magnetic field and secular variation on all temporal and spatial scales

S. No.	Time	Abstract Title	Presenting Author
1	2015 - 2022 hrs	A statistical evaluation of paleosecular variation and time-averaged field for 0-10 Ma	Wellington P. De Oliveira
2	2022 - 2029 hrs	Oligocene-Miocene relative paleointensity from the Indian Ocean, IODP Site U1443	Yoichi Usui

4.1 - Advances and Upcoming Developments in Solar and Heliospheric Physics

S. No.	Time	Abstract Title	Presenting Author
1	2029 - 2036 hrs	Characterization of Sunspots and Solar Plages lives by the application of a 1st order Markov Chain Model	Victor de Paula Vila
2	2036 - 2043 hrs	The 7.5-year periodicity in the N-S asymmetry of sunspots and solar plages during 1910–1937	Victor de Paula Vila
3	2043 - 2050 hrs	Aditya Solar wind Particle EXperiment (ASPEX) on-board Aditya-L1 Mission of India	Dibyendu Chakrabarty
4	2050 - 2057 hrs	Parker Solar Probe Observations of the Solar Wind Proton-Alpha Differential flow	Parisa Mostafavi

5.1 - Current developments of Geomagnetic observatories and integration of ground and space-based measurements

S. No.	Time	Abstract Title	Presenting Author
1	2057 - 2104 hrs	Production of Quasi-definitive data and Recent Improvements at the Brazilian Magnetic Observatories	Marcos Vinicius Silva
2	2104 - 2111 hrs	Angular measurement error analysis of Declination Inclination Digital Station instrument	Adam Domjan
3	2111 - 2118 hrs	Higher-frequency ground magnetic field data by merging fluxgate and induction coil magnetometers at Eskdalemuir magnetic observatory.	Guanren Wang
4	2118 - 2125 hrs	Effects of South Atlantic Anomaly and Paraguay-Araguaia belt conductivity anomaly on Pantanal Magnetic Observatory	Marcel de Oliveira
5	2125 - 2132 hrs	Evaluating Effect Of Noise From Traffic On Quality Of HYB Magnetic Observatory Data From Data Of Lockdown Duration	Kusumita Arora
6	2132 - 2139 hrs	Sok, senegal: the opening of a new geomagnetic observatory	Vincent Lesur
7	2139 - 2146 hrs	Updates and Future Plans at the World Data Centre for Geomagnetism, Edinburgh	Sarah Reay

S9 - CoSOI Cryoseismology

S. No.	Time	Abstract Title	Presenting Author
1	2146 - 2153 hrs	Cryoseismologic studies for polar environment - recent progress of Japanese contribution -	Masaki Kanao

S22 - ASC & CoSHRSGM Seismicity and seismic induced hazards in Asia

S. No.	Time	Abstract Title	Presenting Author
1	2153 - 2200 hrs	Probabilistic Seismic Hazard in Uttarakhand Himalaya	Daya Shanker
2	2200 - 2207 hrs	Parameters of Some Strong Earthquakes in Central Asia in the Second Half of the 19th Century derived from macroseismic data	Ruben Tatevossian
3	2207 - 2214 hrs	Stress transfer and accumulation on the Main Himalayan Thrust (MHT) since 1905: Implications for seismic hazard	Mahesh Prasad Parija
4	2214 - 2221 hrs	On the spatio-temporal variation in b-value After 25 April 2015 Gorkha, Nepal earthquake	Daya Shanker
5	2221 - 2228 hrs	Stress drop variations of reservoir triggered earthquakes at Koyna-Warna: A case study	CHITTA RANJAN MAHATO

Tuesday, 24th August 2021

Poster Hall

Chair - Prakash Kumar, N. Purnachandra Rao

D2 - Planetary magnetic fields and geomagnetic secular variation

S. No.	Time	Abstract Title	Presenting Author
1	1615 - 1622 hrs	First time-averaged field models for the Miocene, based on new PSVM dataset	Yael Engbers
2	1622 - 1629 hrs	Application of altitude-cognizant spherical Slepian functions to the inversion of virtual observatory satellite secular variation data into localised regions of flow on the core-mantle boundary	Hannah Rogers
3	1629 - 1636 hrs	Time-varying magnetic fields around Mars	Shivangi Sharan
4	1636 - 1643 hrs	Variations of the magnetic declination in Gdansk and London	Mikolaj Zawadzki
5	1643 - 1650 hrs	Inversion for the quasi-geostrophic stream function in the fluid outer core from geomagnetic observations	Ilya Firsov

D6 - Geomagnetic observations for space science, space weather and space climate applications

S. No.	Time	Abstract Title	Presenting Author
6	1650 - 1657 hrs	The Polar Cap (PC) index combination, PCC: relations to solar wind properties and global magnetic disturbances.	Peter Stauning
7	1657 - 1704 hrs	Identifying the causes for vertical component geomagnetic field anomaly at Eskdalemuir Magnetic observatory, Scotland	Guanren Wang
8	1704 - 1711 hrs	Next Generation Operational Space Weather Nowcasts and Forecasts of Space Weather Impact on UK Ground-level Conducting Infrastructure	Alan Thomson
9	1711 - 1718 hrs	Space Weather Impacts on Grounded Structures (SWIGS): a Summary of British Geological Survey (BGS) Results	Ciaran Beggan
10	1718 - 1725 hrs	Investigation of the possibility of GIC development in the Mediterranean region during the strongest magnetic storms of solar cycle 24	Adamantia Zoe Boutsis

1.5 - The theory and applications of rock and environmental magnetism

S. No.	Time	Abstract Title	Presenting Author
11	1725 - 1732 hrs	Magnetic properties and paleomagnetic stability of bent and collapsed magnetosome chains: a finite-element micromagnetic approach	Zhaowen Pei
12	1732 - 1739 hrs	How far could the environmental magnetism be a useful tool for evaluating urban PM removal capacities by plants?	Sarah Letaief
13	1739 - 1746 hrs	Reconstruction of paleoenvironmental changes from Chandanpuri Formation, Deccan Traps: Magnetic and Geochemical approaches	Mrs.B.V lakshmi

6.1 - Electromagnetic induction in Earth

S. No.	Time	Abstract Title	Presenting Author
14	1746 - 1753 hrs	An audio-frequency magnetotelluric investigation of the shallow hydrothermal system at Mt. Motoshirane, central Japan	Asami Honda
15	1753 - 1800 hrs	Determining zone of influence of two-dimensional magnetotelluric profile data with 3D inversion: A Synthetic study	Anita Devi
16	1800 - 1807 hrs	3-d Inversion Of Mt Tippers: Constraining The Conductivity Structure Beneath Australia	Filippo Cicchetti
17	1807 - 1814 hrs	Annual/Seasonal variation of induction vectors at different geological regimes of Indian sector	Anusha Edara
18	1814 - 1821 hrs	Electrical resistivity structure of Saurashtra region in India from magnetotelluric studies	Ajithabh KS
19	1821 - 1828 hrs	Regional-to-local transfer functions in three-dimensional geomagnetic deep sounding by Sq variations	Jakub Velimsky
20	1828 - 1835 hrs	Three-dimensional electrical conductivity of the world ocean and marine sediments and their effect on electromagnetic responses	Alexander Grayver

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Chair - Prakash Kumar, N. Purnachandra Rao

6.1 - Electromagnetic induction in Earth

21	2015 - 2022 hrs	Towards Accessible Large-scale Electromagnetic Inversion	Seogi Kang
22	2022 - 2029 hrs	A feasibility study on tunnel detection using the EM gradiometer method	Rahul Dehiya
23	2029 - 2036 hrs	Lithospheric Architecture beneath the Southern Indian Shield Region	Kusham Sandhu
24	2036 - 2043 hrs	Induction in the Earth by long-term variations in the external current systems	Crisan Demetrescu
25	2043 - 2050 hrs	Source effects in long-term mid-latitude magnetotelluric data	Sarasija Sanaka
26	2050 - 2057 hrs	Three dimensional magnetotelluric signatures and rheology of subducting continental crust- Insights from Sikkim Himalaya, India.	Prasanta Patro
27	2057 - 2104 hrs	A dipping mid-crustal electrical conductor in the western part of the Delhi Seismic Zone, India, and its correlation with intraplate seismicity of the region	Pavankumar Gayatri
28	2104 - 2111 hrs	Crustal Characterization of Portugal's mainland based on Magnetotelluric measurements.	Pedro Baltazar Soares
29	2111 - 2118 hrs	Constraining crustal and upper mantle conductivity beneath islands by a joint inversion of multi-source transfer functions	Chaojian Chen
30	2118 - 2125 hrs	Numerical modeling of the electric and magnetic fields induced by ocean currents	Ikuko Fujii
31	2125 - 2132 hrs	Joint inversion of magnetotelluric impedance tensor and full distortion matrix	Arun Singh
32	2132 - 2139 hrs	3D Electromagnetic Imaging Beneath the North Anatolian Fault Zone in the Marmara Sea	Tulay Kaya Eken
33	2139 - 2146 hrs	The Necessity of Terrain Correction in Magnetotelluric Data in Himalayan Region	Dharmendra Kumar

D3 - Coupling Processes in the Atmosphere-Ionosphere System

S. No.	Time	Abstract Title	Presenting Author
34	2146 - 2153 hrs	A comparison of global distributions between magnetic ripples, electron density fluctuations in the ionosphere and rain fall in middle and low latitudes	Toshihiko Iyemori
35	2153 - 2200 hrs	D-region ionospheric signatures associated with the 2015 Nepal earthquake using VLF/LF transmitter signals	Tekkan Akashi
36	2200 - 2207 hrs	Numerical modeling of the vertical propagation of atmospheric waves taking into account the neutral wind	Yuliya Kurdyaveva
37	2207 - 2214 hrs	Ionospheric effects of the 2016 Mt. Aso volcanic eruption based on subionospheric LF observations	Hiroyo Ohya
38	2214 - 2221 hrs	Modulation of ionospheric E-region currents at Indian and African sectors in response to 2013 Sudden Stratospheric Warming	Phani Chandrasekhar Nelapala
39	2221 - 2228 hrs	Sporadic E layer properties at northern polar latitudes	Christina Arras
40	2228 - 2235 hrs	Thunderstorm Ground Enhancement (TGE) events observed from Tirunelveli, India	Gauri Datar

Wednesday, 25th August 2021

Poster Hall

Chair - Abdul Azzez, Shashidhar Dodla

J3- Lithosphere-Atmosphere-Ionosphere Coupling: Seismo Ionospheric and Electromagnetic

S. No.	Time	Abstract Title	Presenting Author
1	1615 - 1622 hrs	Ionosonde and satellite data analysis in relation to the M5.4 October 31, 2002 Molise (Italy) earthquake	Dario Sabbagh
2	1622 - 1629 hrs	Understanding the M7 and M8 earthquake events of 04 March 2021 in the South Pacific and New Zealand through advance VLF Precursors	Prasanna Waichal
3	1629 - 1636 hrs	Combination of ground and satellite observations of the August 5, 2018 Bayan Earthquake	Coralie Neubueser
4	1636 - 1643 hrs	Atmospheric Electric Field Fluctuations associated with Earthquakes in Japan	Mako Watanabe
5	1643 - 1650 hrs	On the Effects of Non-Tectonic Forcing Mechanisms on GPS measured Coseismic Ionospheric Perturbations: a Geometrical Modelling Approach	Mala Bagiya

D1- Exploring Earth's magnetic field from space

S. No.	Time	Abstract Title	Presenting Author
6	1650 - 1657 hrs	Mie representation of low- and mid-latitude F-region ionospheric currents and magnetic fields using the Swarm satellite data	Martin Fillion
7	1657 - 1704 hrs	Comparison of field-aligned currents and ground dB/dt variations	Malcolm Dunlop
8	1704 - 1711 hrs	Towards global magnetohydrodynamic simulation of all ACE data	Ilja Honkonen
9	1711 - 1718 hrs	Indices of geomagnetic activity derived from space-born magnetic data from the Swarm mission	Constantinos Papadimitriou

1.2 - Magnetic record of tectonic, geologic and volcanic processes

S. No.	Time	Abstract Title	Presenting Author
10	1718 - 1725 hrs	How fast can remagnetization of sedimentary rocks be?	Dmitriy Rudko
11	1725 - 1732 hrs	Tephra hunt in loess-paleosol sequences – towards an interdisciplinary approach for tephra detection and characterization	Christian Laag
12	1732 - 1739 hrs	Magnetic Susceptibility and Magnetic Mineral Morphology of Hot Springs Area in Arjuno-Welirang Mountain as Magnetic Signature of Geothermal System	Siti Zulaikah

3.10 - Machine learning in space physics

S. No.	Time	Abstract Title	Presenting Author
13	1739 - 1746 hrs	A machine learning approach for Field Line Resonance frequency identification	Raffaello Foldes
14	1746 - 1753 hrs	Recognition of extreme magnetospheric processes based on neural network technologies using data from the URAGAN muon hodoscope and a system of ne	Vladislav Chinkin

2.2 - Solar Influence on the Atmosphere and Climate

S. No.	Time	Abstract Title	Presenting Author
15	1753 - 1800 hrs	Inter-annual variability of lightning activity and its external drivers	Marzieh Khansari

2.1 - Electrodynamics of the ionosphere-atmosphere system and its coupling to the space environment

S. No.	Time	Abstract Title	Presenting Author
16	1800 - 1807 hrs	Evaluation of calculated ionospheric conductivities using python	Clara Oliveira
17	1807 - 1814 hrs	On the relationship between Travelling Ionospheric Disturbances (TIDs) and SuperDARN Near Range Echoes (NREs)	Alicreance Hiyadutuje

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Chair - Abdul Azzez, Shashidhar Dodla

3.11 - Magnetospheric processes

S. No.	Time	Abstract Title	Presenting Author
18	2015 - 2022 hrs	Statistical Test of the Linear Mode Conversion Theory Beaming Formula for Non-thermal Continuum Radiation	Scott Boardsen
19	2022 - 2029 hrs	Dynamical complexity in Swarm-derived storm and substorm indices using information theory measures	Adamantia Zoe Boutsis
20	2029 - 2036 hrs	Study of Slow-mode shocks in Magnetic Reconnection Based on 2.5 D Hybrid Simulations	Nehpreet Walia
21	2036 - 2043 hrs	Effects of a Velocity Shear on Explosive Reconnection and Particle Acceleration in High Lundquist Number Double Tearing Modes	Arghyadeep Paul

S12- CoEGP Interdisciplinary observations of Pre-Earthquake processes: A new approach towards Earthquake prediction studies

S. No.	Time	Abstract Title	Presenting Author
22	2043 - 2050 hrs	Identifying Correlation between Magnitude of Uttarakhand region Earthquakes and Aperiodic components of Solid Earth tides and anomalous drop in Re	Senthil Kumar M
23	2050 - 2057 hrs	Spatiotemporal analysis of microseismicity clusters in central Ionian Islands (Greece)	Polyzois Bountzis

S13 - CoESG & SEDI Seismic structures in the mantle

S. No.	Time	Abstract Title	Presenting Author
24	2057 - 2104 hrs	Eikonal tomography of North American upper mantle using multi-mode surface waves	Kazunori Yoshizawa
25	2104 - 2111 hrs	Subsurface Velocity Structure beneath the Indian Ocean Geoid Low Region Using Surface Wave	Amit Kumar
26	2111 - 2118 hrs	Imaging the meso-scale structure and dynamics of the upper mantle beneath the Atlantic ocean	Federico Munch
27	2118 - 2125 hrs	Evidence of low-velocity anomaly beneath the Barmer-Sanchar rift, NW India from Teleseismic P- wave Tomography	Saju D S
28	2125 - 2132 hrs	The Nazca Slab and the Upper Mantle Discontinuities under Southern Peru	Xyoli PrezCampos
29	2132 - 2139 hrs	Upper mantle flow under the Arunachal Himalaya from shear wave splitting	Sunil K. Roy
30	2139 - 2146 hrs	X-discontinuity beneath Indian Shield — Evidence for remnant Tethyan oceanic slab in the upper mantle	Uppala Srinu
31	2146 - 2153 hrs	Constraints on the state of the Mantle Transition Zone beneath the Alpine region using Ps receiver functions	Saikiran Tharimena
32	2153 - 2200 hrs	Towards a new anisotropic tomographic model of the Earth's mantle using the SOLA method	Federica Restelli
33	2200 - 2207 hrs	Inferring relationships between temperature, bulk composition and wave speeds using Mixture Density Networks.	Ashim Rijal
34	2207 - 2214 hrs	Evidence for strong topography of the mid-mantle reflector	Morvarid Saki
35	2214 - 2221 hrs	Mapping Seismic Reflectors in the Mid-Mantle Within Tethys Anomaly	Federica Rochira
36	2221 - 2228 hrs	Modelling of scattering and reflections in the lowermost mantle beneath north-eastern of South America	Vanessa Hiemer
37	2228 - 2235 hrs	Imaging D' using shear waves and transdimensional hierarchical Bayesian inversion	Sima Mousavi

Thursday, 26th August 2021

Poster Hall

Chair - Prasanta Patro, Prantik Mandal

J4 - Joint Inversion Methods and Other Interpretation Strategies to Integrate Multidisciplinary Geophysical Data

S. No.	Time	Abstract Title	Presenting Author
1	1615 - 1622 hrs	Joint one-dimensional inversion of Magnetotelluric Data and Surface-Wave Dispersion Curves using Correspondence Maps	Monica Aquino
2	1622 - 1629 hrs	Detection and inversion of UXO and non-UXO sources, exemplified with UAV-borne dual-magnetometer system data from an intertidal flat	Mick Emil Kolster

J5 - Cratons & Mineral Exploration

S. No.	Time	Abstract Title	Presenting Author
1	1629 - 1636 hrs	Constraints on the crustal architecture of a metallogenic belt – Implications for mineral genesis and emplacement from 3-D electrical resistivity models	Matthew Comeau

D4 - Advances in Mid, Low Latitude and Equatorial Aeronomy

S. No.	Time	Abstract Title	Presenting Author
1	1636 - 1643 hrs	Study on different methods of obtaining the ROTI index on the Brazilian region	Carolina Carmo
2	1643 - 1650 hrs	Observations of high frequency (20 mins-60 mins) gravity waves in the mesosphere and lower thermosphere and its connection with tropical convection over Tirunelveli and K	Krishnapriya K
3	1650 - 1657 hrs	Assimilative Modeling of the Day-to-Day Variability of Equatorial Electrojet and its Longitudinal Dependence Using Ground- and Space-Based Magnetometer Data	ChuanPing Lien
4	1657 - 1704 hrs	Ionospheric Disturbances by Solar Coronal Mass ejection in September 2017 over Brazilian and African Sectors	Paulo Roberto Fagundes
5	1704 - 1711 hrs	Estimating ionospheric scintillation magnitude from ROTI values in the Indian region	Chandan Kapil
6	1711 - 1718 hrs	Schumann resonance frequency changes with ionosphere for time scales of short and long durations	Rahul Rawat

D5 - Relativistic electrons: Their emergence and loss in geospace, their impact on the upper atmosphere and the role of the cold plasma background

S. No.	Time	Abstract Title	Presenting Author
1	1718 - 1725 hrs	Drifting Wormhole Structures observed in the Earth's Radiation Belt	Satoko Nakamura
2	1725 - 1732 hrs	Association of relativistic electron enhancements with chorus waves and seed electrons	Ioannis Daglis
3	1732 - 1739 hrs	Energetic electron precipitations with ULF modulation by VLF/LF band standard radio waves	Kentaro Tanaka
4	1739 - 1746 hrs	Precipitation process of electrons in the outer radiation belt associated with oblique whistler mode chorus emissions	Yikai Hsieh
5	1746 - 1753 hrs	The role of the whistler-mode chorus waves in the relativistic electron flux decrease on the outer radiation belt under the influence of an ICME: a case study	Vinicius Deggeroni

S6 - CoSOI Collection, interpretation and publication of paleo and historical earthquake data

S. No.	Time	Abstract Title	Presenting Author
1	1753 - 1800 hrs	Aftershock Activity of the 1596 Earthquake in Kinki Region of Japan Revealed by Diaries	Junzo Ohmura
2	1800 - 1807 hrs	Use of Earthquake Environmental Effects in Intensity Assignment for Large, Fennoscandian Earthquakes	Mathilde Sorensen

S14 - CoESM & CoSOI Earthquake Source Mechanics

S. No.	Time	Abstract Title	Presenting Author
1	1807 - 1814 hrs	Stress field in the Tohoku region, Japan and its relationship with faults of recent earthquakes (2)	Ayaka Tagami
2	1814 - 1821 hrs	Toward Moment-Tensor Inversion Advancement Through Incorporating Earth Structure Uncertainty	Thanh Son Pham
3	1821 - 1828 hrs	Relationship of preseismic, coseismic, and postseismic fault ruptures of large interplate earthquakes with slow-earthquake activity along the Japan Trench	Hisahiko Kubo
4	1828 - 1835 hrs	Theoretical Properties of Source Time Functions based on a Stochastic Differential Equation	Shiro Hirano

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S4 - CoSOI Seismic scattering and absorption, ambient noise, and monitoring Earths structure

S. No.	Time	Abstract Title	Presenting Author
1	2015 - 2022 hrs	Heterogeneity of active volcanoes in Japan as inferred from the peak ratio analysis of scattered teleseismic P waves	Gugi Ganefianto
2	2022 - 2029 hrs	Mapping S Wave Attenuation Field In The Region Of The North Tien Shan Using Seismogram Coda For Local Earthquakes And Quarry Blasts	Yuri Kopnichev
3	2029 - 2036 hrs	Lg wave attenuation characteristics for the Indian Shield	Reshma K S
4	2036 - 2043 hrs	Source strength and distribution of microseism energy inferred from ambient noise recorded by the Gujarat seismic network, India	Monika Bhatia
5	2043 - 2050 hrs	Enhancing the Extraction of Surface-wave Dispersion Curves from the Traffic Signal in DAS Data	Katsuhiro Yabu

S10 - CoSHRSGM Site and Source Modeling for Urban Seismic Microzonation Studies

S. No.	Time	Abstract Title	Presenting Author
1	2050 - 2057 hrs	Impact of site amplification on seismic hazard disaggregation	Michal Kolaj
2	2057 - 2104 hrs	Study the effects of soil layering on the basin-edge induced surface waves and aggravation factor	Sanjay Kumar
3	2104 - 2111 hrs	Assessment of Soil Liquefaction characteristic based on Shear Wave Velocity measurements beneath the soil of the NCR Delhi, India: An Implication of Designing	Himangshu Sekhar Mandal
4	2111 - 2118 hrs	Seismic potential of megathrust in the Kumaun-Garhwal region of NW Himalaya: implications from geodetic and seismic strain rates	Sapna Ghavri
5	2118 - 2125 hrs	Energy-based Method To Estimate Corner Periods Of Response Spectra Reflecting The Physics Of Strong Ground Motions	Ayushi Tiwari

S19 - Intraplate Seismicity: Distribution, properties and causes

S. No.	Time	Abstract Title	Presenting Author
1	2125 - 2132 hrs	Spatial and Temporal variation of seismic attenuation in the Palghar region of western India	M Shekar
2	2132 - 2139 hrs	Crustal Structure of Northeast India as Evidenced by Receiver Function Imaging and Gravity modelling:Tectonic Reconstruction and Geodynamic Implications	Sanjay Prajapati
3	2139 - 2146 hrs	The impact of aftershocks on seismotectonics of 2017 Moiyabana, Botswana earthquake.	Thifhelimbilu Faith Mulabisana
4	2146 - 2153 hrs	Implications Of Tectonic And Seismic Framework Of Delhi, National Capital Region Of India: Inferences From Previous Knowledge To Future Perceptions	Babita Sharma
5	2153 - 2200 hrs	Micro-seismicity Of The Mesamavida Crustal Fault (Central Chile) Through A Local Seismic Network	Martin Riedel
6	2200 - 2207 hrs	Recent seismicity in Center North of Mato Grosso State – Brazil	Lucas Barros

S24- IHFC Towards 60 years of activity of the International Heat Flow Commission

S. No.	Time	Abstract Title	Presenting Author
1	2207 - 2214 hrs	Heat-flow offshore Haiti and in the Caribbean plate	Jeffrey Poort
2	2214 - 2221 hrs	Thermal Structure of the Palaeozoic Oceanic Lithosphere in the Herodotus Basin, Eastern Mediterranean Sea	Massimo Verdoya
3	2221 - 2228 hrs	The Thermal Regime of a Vapor-Dominated Hydrothermal Field Beneath Yellowstone Lake, Yellowstone National Park, USA	Robert Harris
4	2228 - 2235 hrs	Anomalous Postrift Subsidence in the Bohai Bay Basin, Eastern China: Constraint from tectono-thermal modeling	Qiongying Liu
5	2235 - 2242 hrs	Thermal conductivity at ambient and elevated temperature for the sedimentary and metamorphic rocks from the Western Himalaya, India and its implications	Eswara Rao

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J6 - Marine Geophysics

S. No.	Time	Abstract Title	Presenting Author
1	1615 - 1622 hrs	Acoustic impedance inversion using well log data based on modified Alternating Direction Method of Multipliers	SUMAN KONAR
2	1622 - 1629 hrs	Estimation of porosity and gas hydrate saturation using VFSA along a 2D seismic line in Krishna Godavari basin, eastern Indian offshore	Anju K Joshi
3	1629 - 1636 hrs	Estimation of fracture porosity and gas hydrate saturations in the Krishna Godavari offshore basin, India	Laxmi Pandey
4	1636 - 1643 hrs	In-Situ Calibration of Differential Pressure Gauges on OBSIP Ocean Bottom Seismometers	Gabi Laske
5	1643 - 1650 hrs	Interpretation of Subsurface Structures from Seismic and Gravity Window: A Study from Krishna-Godavari Offshore Basin, India	Satendra Singh
6	1650 - 1657 hrs	Reservoir characterisation to assess resource potential of hydrocarbon in the Gulf of Khambat, Mumbai offshore, India from seismic and well log analysis	Sikha Mondal
7	1657 - 1704 hrs	Improved Seismic Monitoring with OBS Deployment in the Arctic: A Pilot Study from Offshore Western Svalbard	Mathilde Sorensen

J10 - Joint session on Education and Outreach

S. No.	Time	Abstract Title	Presenting Author
1	1704 - 1711 hrs	A National University Course on Geohazards in Norway	Mathilde Sorensen

D9 - Geomagnetic disturbance (GMD) benchmarks, case studies and new results in geomagnetically induced currents (GIC) and hazard assessments

S. No.	Time	Abstract Title	Presenting Author
1	1711 - 1718 hrs	Geomagnetically induced currents in conductive crust faults during severe space weather conditions as a possible trigger of earthquakes	Victor Novikov
2	1718 - 1725 hrs	Geomagnetically Induced Currents: Assessing the vulnerability of the German power grid	Aoife McCloskey
3	1725 - 1732 hrs	Variations In Ground Magnetic Field And Ionospheric Electron Density Over Turkey During Geomagnetically Disturbed Days	Ezgi Gulay

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4.3 - Space Weather and Climate Throughout the Solar System: Bringing Data and Models Together

S. No.	Time	Abstract Title	Presenting Author
1	2015 - 2022 hrs	Model comparisons of CME and HSS driven Joule heating	Pelin Erdemir

1.3 - Paleo- and rock-magnetic mysteries – quest for solutions

S. No.	Time	Abstract Title	Presenting Author
1	2022 - 2029 hrs	Preliminary paleomagnetic results from the Cretaceous Padana and Ngarming Formations in the Xigaze forearc basin, southern Tibet	Shihua Xu
2	2029 - 2036 hrs	Paleomagnetic constraints on the Cenozoic Altyn Tagh Fault movement and deformation of the NE Tibetan Plateau	Maodu Yan

S1 - Observational seismology - open session seismology

S. No.	Time	Abstract Title	Presenting Author
1	2036 - 2043 hrs	Experimental setup of a newly converted P-wave activator to be used in the new dense P-wave seismic ground and material strength simulator	Dursun Acar
2	2043 - 2050 hrs	Seismic monitoring of the February 7, 2021 flash flood water levels in the Dhauliganga river in Uttarakhand Himalaya	Himangshu Paul
3	2050 - 2057 hrs	Seismicity of the Pannonian Basin: relocation with the Bayesloc algorithm using ground truth events as anchors	Barbara Czece
4	2057 - 2104 hrs	The preliminary result of seismicity analysis for Khankh strong earthquake in Mongolia	Dorjsuren Ankhsetseg
5	2104 - 2111 hrs	Precise aftershocks distribution of the Khankh earthquake, Mongolia	Adiya Munkhsaikhan
6	2111 - 2118 hrs	Landslides Monitoring In The Tien Shan Region By Seismic Stations Of Central Asia	Inna Sokolova

S11 - CoEGP Earthquake Generation Process & Forecasting Models

S. No.	Time	Abstract Title	Presenting Author
1	2118 - 2125 hrs	Modeling the nonlinear influence of seasonal variations on geophysical processes and possible examples of such influence in real data	Vladimir Zhuravlev
2	2125 - 2132 hrs	Studies of the spectrum of variations in the flow of seismic events about a calendar month	Vladimir Zhuravlev