AOGS MARS

Session Proposal Details (SE07)

< Back to session proposal list
< Back to my session proposals

Session Proposal Status

Status	Accepted
Decision	Accept
Comments to Conveners	Thank you for submitting this session proposal to AOGS2019. We are pleased to inform you that your proposal has been ACCEPTED by the Program Committee. Your session will be listed for abstract submission. The abstract submission portal will open on 20 Nov 2018 and you can log into MARS to view your session details under "Convener Options" Regards, AOGS Secretariat For SE Program Committee

Session Proposal Details

Section(s)	SE - Solid Earth Sciences (Primary) IG - Interdisciplinary Geosciences
Session Title	**Active Geodynamics, Deformation, Anisotropy And Growth of Eastern Himalaya**
Session Description	The great India-Asia collision, which began 50- 60 million years ago, has produced the highest mountains, the Himalayas and the largest and highest plateau named Tibet on Earth today. The Himalayas and Tibet have had a profound effect on mankind because they strongly influence world climate, and the continuing convergence between India and southern Asia has caused catastrophic earthquakes throughout the region. The Eastern Himalaya is considered as one of the most intense seismic zones of the world due to an extremely complex tectonic and geologic setup. With a history of most significant earthquake occurrences in the past, this region features most striking geological aspects such as highly elevated Tibetan Plateau, Eastern Himalayan Syntaxis (EHS), Indo-Burmese Wedge (IBW), Burmese silver plate, pop-up Shillong plateau along the Mishimi thrust belt etc., apart from other significant formations. Many geodynamic puzzles such as sudden acute right turn of EHS, seismic to aseismic oblique subduction at IBW, unnatural isostatic compensation governed pop-up tectonics of Shillong, more intraplate devastating earthquakes in Burmese arc, massive Indo-Asia collision derived heterogeneity and mantle anisotropy, uncertainty in northward Indian Mantle Front invasion beneath Tibetan mass, etc are the real mysteries and challenges for the present day Earth science forum. The scientific information that can be culled from studying the above complex issues may provide an important input towards the actual theory governing the geodynamics and tectonics of this region for reducing the risks of hazards associated with major earthquakes. The proposed session aim to exchange recent scientific results with a holistic understanding of tectonic deformation processes and concerned geodynamics of various active geological setups in Eastern Himalaya. Presentations about basic, applied and innovative results and findings in related research fields such as seismology, tectonics, geomorphology, geodesy, gravity and magnetotelluric are welcome
Keyword(s)	Eastern Himalaya;Geodynamics;Tectonics And Deformation
Expected Number of Abstracts	30

Convener Details

Main Convener	Dr Debasis D Mohanty (Council of Scientific and Industrial Research, India), devlinkan06@yahoo.com
Co-convener(s)	Dr Ritima Das (Department of Earth Sciences, Bullard Laboratories, University of Cambridge, United Kingdom), rd566@cam.ac.uk Dr Mrinalinee Rajkumari (Department of Geology & Mining, Govt. of Arunachal Pradesh, Itanagar., India), mrinalineeraj@yahoo.com

Update Log

Date/Time	Action	Action By	Remarks
10/31/2018 12:21:46 PM	Finalized	Prof J. Bruce H. Shyu	Accepted
10/31/2018 11:58:15 AM	Mark decision	Dr Yu Wang	
10/23/2018 3:49:51 PM	Convener removed	Dr Mrinalinee Rajkumari	Dr Mrinalinee Rajkumari
10/23/2018 3:49:31 PM	Convener added	Dr Mrinalinee Rajkumari	Dr Mrinalinee Rajkumari
10/12/2018 2:42:42 PM	Update	Dr Debasis D Mohanty	
10/12/2018 2:36:26 PM	Convener added	Dr Debasis D Mohanty	Dr Mrinalinee Rajkumari