

MHRD Scheme on Global Initiative on Academic Network (GIAN)

A short course on: Active Continental Tectonics

Date: 6 – 18 November 2016

Venue: Lecture Hall Complex, IISER Kolkata, Mohnapur – 741246, West Bengal, India

Instructors: Prof. James Jackson (Cambridge University); Prof. Supriyo Mitra (IISER-K)

Course Schedule				
<i>Date</i>	<i>Time</i>	<i>Topic</i>	<i>Venue</i>	<i>Instructor</i>
6 Nov	<i>Registration of Participants</i>		110	
7 Nov	09:30 – 09:55	Inauguration and Hi-Tea	G06	
	10:00 – 11:00	Earthquake seismology: sources, faulting & scaling	G06	James Jackson
	15:00 – 16:00	Faulting and aftershocks in large earthquakes	110	James Jackson
8 Nov	10:00 – 11:00	Active normal faulting and continental extension	G06	James Jackson
	15:00 – 16:00	<i>Borah Peak earthquake: P waves</i>	CC	Supriyo Mitra
9 Nov	10:00 – 11:00	Large earthquakes in India (<i>Invited</i>)	G06	Alex Copley
	14:00 – 15:00	Dynamics of the Himalaya and Tibet (<i>Invited</i>)	G06	Alex Copley
	15:00 – 16:00	<i>Borah Peak earthquake: S waves</i>	CC	Supriyo Mitra
10 Nov	11:00 – 12:00	Patterns of regional shortening	G06	James Jackson
	15:00 – 16:00	<i>Borah Peak earthquake: synthesis & source parameters</i>	CC	Supriyo Mitra
11 Nov	10:00 – 11:00	Active tectonics of the Middle East	G06	James Jackson
	16:00 – 17:00	<i>Elastic dislocation modelling</i>	CC	Supriyo Mitra
14 Nov	10:00 – 11:00	Active tectonics of Asia	G06	James Jackson
	14:00 – 15:00	<i>Sefidabeh earthquake: seismology and InSAR</i>	G06	Supriyo Mitra
15 Nov	09:00 – 10:00	The continental lithosphere: rheology and structure	G06	James Jackson
	15:00 – 16:00	<i>Eastern Mediterranean tectonics</i>	110	Supriyo Mitra
16 Nov	10:00 – 11:00	Dynamics of continental deformation	G06	James Jackson
	15:00 – 16:00	<i>Fault scaling, with examples from Africa</i>	G06	Supriyo Mitra
17 Nov	11:00 – 12:00	Earthquake hazard in Asia	G06	James Jackson
	15:00 – 16:00	<i>Buoyancy forces and the Bhuj earthquake</i>	G06	Supriyo Mitra
18 Nov	10:00 – 11:00	Tsunami hazards in Asia, the Pacific & Mediterranean	G06	James Jackson
	14:00 – 15:00	Review Examination	G06	Supriyo Mitra