

HKT2016 Program

Time	Session and Speaker	Subject
Monday		
18:00-20:00	Evening meet and greet	
Tuesday		
8:45-9:00	Opening address	
9:00-9:30	Plenary Session	
9:30-10:00	Paul Tapponnier	Imaging Himalaya's Main Frontal Thrust seismic history: a 100 km-long Lidar survey in Eastern Nepal
	Geodynamics	Present-day deformation along the tibetan plateau borders, earthquakes and seismicity part I
	Bernd Schurr	Seismotectonics of the Pamir and the 1911/2015 M7 Sarez earthquake doublet
	György Hetényi	Deformation partitioning between the Bhutan Himalaya and the Shillong Plateau
10:00-10:15	Coffee break	
10:15-11:30	Geodynamics	Present-day deformation along the tibetan plateau borders, earthquakes and seismicity part II
	Hailing Li	The 2014 Mw 6.9 Yutian earthquake: first surface rupture along the western Altyn Tagh fault system
	Naresh Kumar	Seismicity and tectonics of the Tethyan Himalaya, trans-Himalaya and Karakoram of the western Himalaya-Tibet Collision zone: Crustal deformations above the edge of under-thrusting Indian plate
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	Laurent Bollinger	Past earthquakes and the seismic slip deficit in central Nepal
	Tobias Diehl	The Seismic Gap of Bhutan: Evidence for Segmentation of the Himalayas and its Link to Foreland Deformation
11:30-13:30	Lunch and poster session	Present Day, Hazards, and Gorkha EQ posters
13:30-14:45	Special session	Gorkha earthquake
	Jean-Louis Mugnier	Segmentation of the Himalayan megathrust around the 25 April 2015 Nepal Earthquake: structural geology as a tool for seismic hazard assessment.
	Soma Nath Sapkota	Fatality rates of the Mw8.2 Bihar-Nepal earthquake and comparison with the April 2015 Gurkha earthquake
	Sudhir Rajaure	Ground response of the Kathmandu sedimentary basin during the 2015 Gurkha (Nepal) earthquake sequence
	Christian Baillard	Spatio-temporal distribution of the 2015 Gurkha earthquake aftershock sequence
	Christoff Andermann	Landscape response to the M7.9 Gurkha earthquake.
14:45-15:00	Coffee break	
15:00-16:15	Earth surface processes and climate	Natural hazards
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	Muhammad Basharat	Landslide Susceptibility Mapping using GIS and Weighted Overlay Method: A case study from NW Himalayas, Pakistan
	Abhinav Tiwari	Minimizing Surface Exposure to Climate Extremity by Structure Remodeling using Integral Geographic Information System: A Participatory Framework for Disaster Risk Reduction in Himalaya
	Marie-Luce Chevalier	Tectonic-geomorphology of the Litang fault system, SE Tibetan Plateau, and implication for regional seismic hazard
	Zakaria Ghazoui	Reconstructing the late Holocene earthquake activity of western Nepal from lake sediment records
16:30-18:00	Student evening	
Wednesday		
9:00-10:00	Earth surface processes and climate	River fans
	Ananta Gajurel	Stable isotope composition of Major Himalayan Rivers, Nepal Himalaya
	Madeleine Bohlin	Lithium and Magnesium isotope characteristics of the Alaknanda River catchment, Garwhal Himalaya
	Mikael Attal	Linkage between sediment characteristics and fluvial channel morphology across the Ganga Plain
	Mike Bickle	Chemical weathering in the flood plain of the Ganges
10:15-11:15	Earth surface processes and climate	Erosion
	Xilin Sun	A comparison of geochemical ⁴⁰ Ar/ ³⁹ Ar and U-Pb data of detrital muscovite and zircon in late Cenozoic sediments in the Jiangnan Basin: Implications for sediment source and evolution of the Yangtze River
	Jérôme Lavé	Erosion and landslides dynamics in the central Himalaya
	Ruben Rosenkranz	Erosion rates in the rainiest place on earth: cosmogenic ¹⁰ Be data from the Shillong Plateau
	Xiaomin Fang	Tectonic uplift - driven denudation: synthesized basin and thermochronology evidence from the NE Tibetan Plateau
11:30-13:30	Lunch and poster session	Erosion and River fans posters
13:30-15:00	Geodynamics	Tectonics, metamorphism and crustal structures part I
	David Lageson	Polyphase deformation, dynamic metamorphism and metasomatism of the summit limestone of Mount Everest (Qomolangma Formation), east-central Himalaya, Nepal/Tibet
	Alexandre Aubray	Structural and thermobarometric datas in the Jaljala klippe (Western Central Nepal) favour a critical taper model of formation of the Himalayan belt
	Gaurav Singh	Delineation of major Seismotectonic Boundaries in Sub Himalayan Region Using Geospatial technologies

Time	Session and Speaker	Subject
	Gweltaz Maheo	Timing and origin of migmatitic gneisses in south Karakoram: Insights from U–Pb, Hf and O isotopic record of zircons
	Nicolas Buchs	The Nidar Ophiolite (NW Himalaya, India): new data
	Chiara Montomoli	Tectonic and metamorphic discontinuities in the Greater Himalayan Sequence in Central Himalaya: in-sequence shearing by accretion from the Indian plate
15:15-16:45	Geodynamics	Tectonics, metamorphism and crustal structures part II and Mountain and plateau building processes part I
	Clare Warren	Garnet-monazite rare earth element partitioning in sub-solidus metapelites: an example from Bhutan
	Humaad Ghani	3D modelling of Himalayan frontal fold thrust belt in Pakistan to understand structural variation in relation to fold thrust kinematics.
	Koushik Sen	Feedback loop of exhumation and internal deformation in the MCT zone controls the angle of taper of the Himalayan wedge
	Laura Airaghi	Importance of the Mesozoic structural inheritance in the present deformation of the Longmen Shan thrust belt (Sichuan, China) deciphered from metamorphic minerals
	Chris Mark	Emplacement timing of the Spontang ophiolite, Ladakh: A key maximum age constraint on the complex India-Eurasia collision.
	Sofia-Katerina Kufner	Deep India meets deep Asia: Lithospheric indentation, delamination and break-off under Pamir and Hindu Kush
16:45-18:45	Poster session	Tectonics and Mountains posters
19:00	Workshop dinner	
Thursday		
9:00-10:15	Geodynamics	Mountain and plateau building processes part II
	Fanny Goussin	Nature and melting processes of the lithosphere beneath the North-East Qiangtang terrane, Central Tibet, during Eocene times.
	Liqing Jiao	3D Discrete Element Simulation of Large-scale Faulting and Crustal Thickening in the India-Asia Collision Zone
	Yiwen Ju	Tectonic evolution of the Tibetan Plateau and their foreland basins
	Arpita Paul	Crustal anisotropy in the trans-Himalaya (Eastern Ladakh): constraints from splitting analysis of P-to-S converted phase at Moho discontinuity
	Catherine Mottram	Campaign-style U-Pb dating of Himalayan titanite
10:45-11:45	Earth surface processes and climate	Climate
	Jesse Davenport	Himalayan silicate and carbonate weathering: A global view using 40K-40Ca isotope systematics
	Vimala Singh	Impact of climate change on hydrological regimes and water resources management in the Himalayan River basin
	Manzoor Ahmad Rana	Enamel Hypoplasia a Stress Marker in Geological History of Himalayan Paleoenvironment
	Volkhard Spiess	Lake Nam Co-seismic Survey Tibet
	Prem Kumar	Anomalous variation of sediment load and discharge in Spiti and Sutlej River: the effect of snowfall and glacier melting in abnormal years of 2004-2005.
12:00-14:00	Lunch and poster session	Climate and Interactions posters
14:00-15:15	Interactions	Interactions between tectonic, climatic and erosion processes part I
	Lorenzo Gemignani	Downstream evolution of the Eastern Himalayan detrital signal as recorded by thermochronology in the Tsangpo-Siang-Brahmaputra river sediments.
	Gwladys Govin	Constraining the timing of exhumation of the Eastern Himalayan syntaxis from a study of the palaeo-Brahmaputra deposits, Siwalik Group, Eastern Arunachal Pradesh, India
30m	Christian France-Lanord	IODP Expedition 354: a Neogene record of Himalayan erosion
	Pascale Huyghe	First results on Neogene record of Himalayan exhumation from detrital Apatite Fission-Track thermochronology, Middle Bengal Fan (IODP Expedition 354)
15:30-16:45	Interactions	Interactions between tectonic, climatic and erosion processes part II
	Loraine Gourbet	Revision of the Jianchuan Basin (Yunnan) stratigraphy: Implications on the Evolution of SE Tibet During the Eocene
	Philippe Hervé Leloup	Western Tibet relief evolution since the Oligo-Miocene
30m	Julien Charreau	Magnetostratigraphy of the Siwaliks: revision, uncertainties and new data
	Peter van der Beek	Contrasting tectonically-driven exhumation and incision patterns, western versus central Nepal Himalaya
16:45-17:00	Closing address	

Time	Session and Speaker	Subject
Tuesday Lunch	Poster session 1	Present Day, Hazards, and Gorkha EQ posters
	Anais Marechal	First GPS data solution in Bhutan: implications for the interseismic coupling variations along the Himalayan arc
	Jérôme van der Woerd	Active folding in the Indo-Burman ranges: a case study along the Raghunandan hill, northeast Bengal basin (Bangladesh)
	Magali Rizza	New paleoseismic evidence for the great 1934 and 1255 earthquakes surface ruptures at the Charnath Khola (Eastern Nepal).
	Roser Hoste-Colomer	Western Nepal seismicity recorded by a Temporary Seismic Network
	R Arun Prasath	Repeating earthquake sequence identified in Garhwal Himalaya region of Northwest Himalaya, India: Implication of the influence of flexure bend in the Indian lithosphere
	Aurelie Coudurier Curveur	Slip history of active thrusts around the Eastern Himalayan Syntaxis
	Tandong Yao	Glacier melt on the Third Pole
	Lasafam Iturrizaga	Ice rock avalanches and glacier surges in the context of their hazard potential: The Chapursan debris landscape (Karakoram Mountains)
	Hairong Ding	Mechanism of Post-seismic Floods after the Wenchuan Earthquake in Longmen Mountain at the eastern margin of the Tibetan plateau
	Moti Rijal	Hazard Assessment of Landslide Dams in Central Nepal after the 25 April 2015 Gorkha Earthquake
	Megh Dhital	Coseismic Landslides and Associated Newmark Displacements in the Bhote Koshi Watershed of Central Nepal by the 25 April 2015 Gorkha Earthquake
	Rama Mohan Pokhrel	Geotechnical Aspect of Disaster Caused by 2015 Gorkha Earthquake, A Study on Highways Damage
	Lok Bijaya Adhikari	The aftershock sequence of the 2015 April 25 Gorkha–Nepal earthquake
	Wednesday Lunch	Poster session 2
Eric Deal		Why landscape evolution models should care that landscapes are porous; the importance of hydrology in determining longterm erosion rates
Iris van der Veen		Branched Glycerol Dialkyl Glycerol Tetraethers (brGDGTs) and plant wax δD (δD_{wax}) values for soils along three altitudinal transects in the Himalayas
Kohki Yoshida		Heavy mineral assemblages in Early to Middle Miocene sands from the Bengal Fan based on International Ocean Discovery Program (IODP), Expedition 354, preliminary report
Babu Ram Gyawali		Calcareous nannofossil assemblages and paleoproductivity during the Mid-Pleistocene in Bengal Fan, Indian Ocean (IODP Exp. 354)
Nicky Shree Shrestha		Application of Cold Region Hydrological Model for Estimating the Discharge of Langtang River Basin of Nepal Himalayas
Ravindra Pratap Singh		The interplay of the climate and the tectonics: a precursor for slope stability investigations
Kankana Mondal		Geomorphological controls and sedimentological characteristics from origin to apex of alluvial fan: Teesta River, Sikkim-Himalayas
Mohammad Sahragard Sohi		New constraints on the past exhumation of the Tethyan Himalaya, upper Mustang (Nepal)
Sebastien Lenard		Late Cenozoic ^{10}Be paleo-erosion rates of the Central Himalayan Range, measured along a new Siwaliks section in Northern India
Yibo Yang		Provenance rather than climatic control on the long-term evolution of clastic sediments composition in tectonically active area
Alono Thorie		Microbially influenced sedimentary structures (MISS) as palaeoenvironment indicators in a storm-wave influenced Proterozoic siliciclastic tidal flat, Kunihar Formation, Simla Group, Lesser Himalaya, Himachal Pradesh.
Tithi Banerjee		Comparison of tidalites in siliciclastic and carbonate systems: An outstanding example from Proterozoic Simla Basin, Western Lesser Himalaya
Priyanka Mazumdar		Anatomy of a thinly bedded distal turbidite: Insights from a Proterozoic fan delta system, Simla Basin, Western Lesser Himalaya, India.
Wednesday Evening		Poster session 3
	Rodolphe Cattin	Lateral variations of terrestrial and satellite gravity measurements along the Himalayan arc
	Julia Singer	Imaging seismic velocity variations of the Himalayan crustal collision structure beneath Bhutan with ambient noise cross-correlations
	Mary Hubbard	Structural discontinuities in the Solukhumbu Himalaya: partitioning of deformation and metamorphism within the Greater Himalayan Sequence
	Cagil Karakas	New evidence from high resolution topography, of multiple seismic uplift on the Bardibas strand of the Main Frontal Thrust, Eastern Nepal
	Salvatore Iaccarino	Tectono-metamorphic evolution of the Himalayan metamorphic core along the Alaknanda–Dhauliganga valleys, Garhwal Himalaya (India)
	Rodolfo Carosi	Middle to late Eocene exhumation of the Greater Himalayan Sequence in the Central Himalayas: progressive accretion from the Indian plate
	Subhajit Ghosh	Causes of strain localization along the Main Boundary Thrust (MBT) zone in the Eastern Himalaya: insights from field and experimental studies
	Giulia Rapa	Combining meso-structural data and thermodynamic modeling to reconstruct the geological framework of the Greater Himalayan Sequence in central Nepal (Langtang, Gosainkund and Helambu regions)
	Ramesh Chandra Patel	Pop-Up Tectonics in response to continental collision in the Himalaya: A mechanism for emplacement and exhumation of the Almora Crystalline klippe, Kumaon-Garhwal region, NW-Himalaya, India
	Kabi Raj Paudyal	Geology and monazite geo-chronology of Kahun klippe in west-central Nepal, Lesser Himalaya
	Dongliang Liu	AFT dating constrains the Cenozoic uplift of the Qimen Tagh Mountains, Northeast Tibetan Plateau, comparison with LA-ICPMS Zircon U-Pb ages
	Yann Rolland	Role of Lithosphere structural inheritance in the localization of intraplate deformation: the example of the Tien Shan (Central Asian Orogenic Belt).

Time	Session and Speaker	Subject
	Nirmalya Chatterjee	Ar-Ar Geochronology and Fractal Estimate of Strain-Rate during Extensional Deformation of the South Tibetan Detachment System contradicts long-term Extrusion Mechanism in west-central Indian Himalayas.
	Chloé Loury	Paleozoic history of south Tien Shan: a key to understanding intracontinental deformation related to India/Asia collision
	Tianyi Shen	Controls on Cenozoic exhumation of the Tethyan Himalaya, from fission-track thermochronology and detrital zircon U-Pb geochronology in the Gyirong basin area, southern Tibet
	Anne Replumaz	New low temperature thermochronologic results within SE Tibet: implication for the regional Miocene kinematics
	Eduardo Garzanti	The chronology of the India-Asia collision
	Wang-Ping Chen	Tibetan crust in 3-D: A Progress report
	Stephane Guillot	A comparison between Himalaya-Tibet orogen with the European Variscan belt. Insights from petrology and numerical modeling
	Javed Raouf	Integrated study based on 3-D Seismic velocity structure of the lithosphere and gravity anomalies to comprehend the tectonic interactions and the underlying dynamics in the Northeast Indian region and its bordering locales
	Bhupati Neupane	Provenance analysis of foreland basins in the southern Tibet and central Nepal Himalaya
	Julia de Sigoyer	Metamorphic study of the Wenchuan shear zone (internal zone of the Longmen Shan: New constrains on the Mesozoic and Cenozoic tectonic activity of the Eastern border of the Tibetan plateau
	Yani Najman	Constraints on the collision and the pre-collision tectonic configuration between India and Asia from detrital geochronology, thermochronology, and geochemistry studies in the lower Indus basin, Pakistan
	Muhammad Tahir Waseem	Newly Discovered Fossils Remain of <i>Selenoportax vexillarius</i> from Hasnot, Locality of Siwaliks of Pakistan
	M.J. Jessup	Crustal thickening, Barrovian metamorphism, and exhumation of mid-crustal rocks: Insights into the Leo Pargil dome NW Indian Himalaya
	Johann Genser	U-Pb and Ar/Ar ages from the Nyainqentanglha Shan metamorphic core complex, Lhasa Block, Tibet: constraints on its exhumation history and timing of E-W extension in southern Tibet
Thursday Lunch	Poster session 4	Climate and Interactions
	Yuvika Khanna	Do the oldest continental Himalayan palaeosols, despite diagenesis carry monsoon climate signatures?
	Baiqing Xu	Black Carbon in Tibetan Glaciers: Sources and Impact
	Nozomi Hatano	Comparison of the weathering condition between the middle Miocene and the early Pliocene in Japan –on the basis of Paleosols and Geochemistry –
	Piyush Dahal	Spatiotemporal analysis of extreme weather events in mountain: A Case Study from Nepal
	Mary Sterb	Paleo-environmental reconstruction of the Late Eocene Jianchuan Basin (Yunnan, china). Implication for the elevation and climatic evolution of SE Tibetan plateau.
	Svetlana Botsyun	Impact of the tectonic evolution of Himalayan collision zone on Asian climate during the Cenozoic
	Natalie Vögeli	Lithium isotope history in the Siwalik Group- a new approach to paleo-weathering regimes
	Kristel Chanard	Modeling deformation induced by seasonal hydrology in the Himalaya, constraints on the Earth viscoelastic structure
	Jiawei Pan	Discovery of the 17th Century Paleo-earthquake in Shuanghu Graben, Central Tibet
	Jonathan Harvey	New cooling ages from far western Nepal confirm unsteady deformation and along-strike tectonic discontinuity at ~82.5° E
	Nazia Kowser	Litho-biostratigraphy of Khalsar Formation of Shyok Suture Zone (SSZ) Nubra Valley, Ladakh Himalaya, India
	Dowchu Drukpa	Imaging the Main Frontal Thrust (MFT) system in Southern Bhutan using high resolution near surface geophysical techniques. Implications for tectonic morphology and seismic hazard assessment
	Romain le Roux-Mallouf	Evidence for two major historical earthquakes in Bhutan and new approach to assess seismic segmentation along the Himalayan arc
	Xi-Bin Tan	Fission Track and ⁴⁰ Ar/ ³⁹ Ar geochronological constraints on the Cenozoic tectono-thermal evolution of the Danba Antiform, Eastern Tibet
	Irfan Bhat	Upper Mantle Characteristics of Serpentinized Peridotites along Indus Suture Zone (ISZ) Ladakh Himalaya, J&K, India
	Mujtuba Rashid	Lithostratigraphic study of Saltoro molasse of Shyok Suture Zone (SSZ), Nubra-Shyok Valley, Ladakh Trans-Himalaya, India
	Eleni Wood	Granulitised eclogites in NW Bhutan: investigating deep crustal processes
	Jiamin Wang	Spatial and temporal evolution of fault systems in the central Himalaya: constraints from P–T paths and geochronology