

HKT 2019: Bozeman Schedule

Tuesday, June 4

Event	Location	Time	Presenter	Presentation Title
Ice-Breaker and Keynote Speaker	Lobby of the Museum of the Rockies	4:30-6:00	Ice-Breaker event check-in	Past and Future Great Earthquakes in the Himalaya
		6:00-7:00	Keynote Speaker Dr. Roger Bilham	
		7:00-9:00	Dinner service and access to MOR exhibits	

Wednesday, June 5

Event	Location	Time	Presenter	Presentation Title
1: Dynamics of Crustal Deformation, Part 1	Procrastinator Theater	8:30-9:00	Welcome: Andrew Laskowski and Dave Lageson	
		9:00-9:15	Chiara Montomoli	Kinematics and time constrains of the South Tibetan Detachment System: new data on the exhumation of the belt
		9:15-9:30	Sean Long	A structural model for the South Tibetan detachment system in northwestern Bhutan
		9:30-9:45	Djordje Grujic	Inverted temperature fields: deformational temperatures across the Lesser Himalayan Sequence in eastern Bhutan
P1: Poster Session 1	Leigh Lounge	10:15-12:15	<i>Coffee break in Leigh Lounge</i> Posters 1	
<i>Lunch at Rendezvous</i>				
2: Dynamics of Crustal Deformation, Part 2	Procrastinator Theater	1:30-1:45	Humaad Ghani	Structural evolution of Sub Himalaya in Pakistan: New evidence from low temperature thermochronology
		1:45-2:00	Mary Hubbard	Himalayan Cross Faults: the role of highly oblique structures in a contractional orogen
		2:00-2:15	Malay Mukul	Salient-recess transition structures in the Himalaya: Insights from the Gish Transverse Zone in the Darjiling-Sikkim Indian Himalaya
		2:15-2:30	Neil Seifert	Structural analysis of the Benkar Fault Zone, a cross structure in the Higher Himalaya of the Khumbu region, eastern Nepal
2: Dynamics of Crustal Deformation, Part 2	Procrastinator Theater	3:00-3:15	Vinee Srivastava	Cataclastic strain from external thrust sheets in fold-thrust belts: Insights from the frontal Indian Himalaya
		3:15-3:30	Erwin Appel	On the diversity of paleomagnetic results used for Greater India reconstruction
		3:30-4:00	All HKT	
Discussion			<i>Happy Hour and Snacks in Leigh Lounge</i>	
P1: Poster Session 1	Leigh Lounge	4:30-5:45	Posters 1	

Thursday, June 6

3: Extension, erosion and exhumation	Procrastinator Theater	8:30-8:45	Rodolfo Carosi	Northward migration of normal shearing in the North Himalayan Gneiss Domes (SE Tibet): a progressive shift from the Cuonadong to the Yalaxiangbo domes
		8:45-9:00	James Worthington	The Alichur dome, South Pamir, western India-Asia collisional zone: detailing the Neogene Shakh-dara-Alichur syn-collisional gneiss-dome complex and connection to lithospheric processes
		9:00-9:15	Wenrong Cao	Crust Tilting and Exhumation of Gangdese Batholith Tracked by Bedrock Pressures
		9:15-9:30	Johann Genser	Extension and metamorphic core complex formation in the upper plate of a collisional orogen: Timing of exhumation of Nyainqentanglha Shan, Lhasa Block, Tibet
		9:30-9:45	Dongliang Liu	Apatite fission track data reveal the Mid-Miocene re-activity of the Baiganhu Fault, part of the Altyn Tagh Fault
		9:45-10:00	Gilby Jepson	The Low-Temperature Thermo-Tectonic Evolution of the Eurasian Margin
P2: Poster Session 2	Leigh Lounge	10:30-12:15	<i>Coffee break in Leigh Lounge</i> Posters 2	
<i>Lunch at Rendezvous</i>				
4: Sedimentary record of orogenesis	Procrastinator Theater	1:30-1:45	Jean-Luc Epard	Seamount accretion and mélange formation in the Indus Suture Zone of Eastern Ladakh (NW Himalaya, India)
		1:45-2:00	Kathryn Metcalf	History of subduction erosion and accretion recorded in the Yarlung Suture Zone, southern Tibet
		2:00-2:15	An Wei	New precise dating of the India-Asia collision in the Tibetan Himalaya at 61 Ma
		2:15-2:30	Ding Lin	Processes of initial collision and suturing between India and Asia
4: Sedimentary record of orogenesis	Procrastinator Theater	3:00-3:15	Devon Orme	The Raka Conglomerate: A wedge-top record at the onset of India-Asia collision, southern Tibet
		3:15-3:30	Mike Duvall	Lateral variability of Cenozoic strata in the Ganga foreland basin of Nepal controlled by transverse Indian basement structures
		3:30-3:45	Clay Campbell	Did the Central Anatolian Cankiri Basin form as a Result of an Oligocene-Miocene Rayleigh-Taylor instability?
		3:45-4:00	Mike Blum	Tibetan and Himalayan Signals in the Detrital Zircon U-Pb Record of the Neogene and Quaternary Bengal Fan
P2: Poster Session 2	Leigh Lounge	4:00-5:15	Posters 2	
<i>Depart for dinner 5:30 PM from south side of Student Union in chartered busses</i>				
Gala Dinner and Keynote at Bridger Bowl	Bridger Bowl	7:00-9:00	Conference gala	
		8:00-9:00	Dr. Katharine Huntington, Keynote	Megamountains, megarivers and megafloods: Interactions of Earth-surface processes and tectonics in the Eastern Himalaya

Friday, June 7

Late-breaking		8:30-8:45	Jeffrey Kargel	Shispar Glacier, Pakistan Karakoram
---------------	--	-----------	----------------	-------------------------------------

5: Neotectonics	Procrastinator Theater	8:45-9:00	Fabiana Richter	Abrupt cooling and surface uplift at ~3.6 Ma in the Northeastern Tibetan Plateau indicated by clumped isotopes in Plio-Pleistocene lacustrine carbonates from the Qinghai Lake, China
		9:00-9:15	Abhijit Gosh	Geometry of the Main Himalayan Thrust and its stress dynamics as illuminated by aftershocks of the 2015 Mw 7.8 Gorkha earthquake
		9:15-9:30	Jaishri Sanwal	Staglagmite Growth Perturbations from the Kumaun Himalaya: Potential Earthquake Recorders
		9:30-9:45	Arjun Pandey	Primary surface faulting of the 1697 and the 1950 great earthquakes along the eastern Himalayan Frontal Thrust
<i>Coffee break in Leigh Lounge</i>				
P3: Poster Session 3		10:15-12:15		Posters 3
<i>Lunch at Rendezvous</i>				
Discussion-Future Directions	Procrastinator	1:30-2:30	All HKT	
<i>Coffee break in Leigh Lounge</i>				
6: Crustal rheology and the mantle	Procrastinator Theater	3:00-3:15	Camilla Penney	The role of lateral rheology contrasts in the temporal evolution of mountain ranges: insights from South-East Tibet
		3:15-3:30	Sean Kelly	Inherited terrane properties explain enigmatic post-collisional Himalayan-Tibetan evolution
		3:30-3:45	Harry Matchette-Downes	Seismological constraints on the density, thickness and temperature of the lithospheric mantle in southwestern Tibet
		3:45-4:00	Simon Klemperer	Discovery of a widespread mantle component of ³ He in thermal springs of the Lhasa Block and Tethyan Himalaya, eastern Tibet, and of the Lhasa Block, western Tibet: Evidence for roll-back of the Indian lithospheric mantle south of the Yarlung suture zone, and incipient mantle melting beneath the eastern and western Lhasa block
<i>Happy Hour and Snacks in Leigh Lounge</i>				
Closing Awards and Discussion	Procrastinator	5:00-5:30	All HKT	

Wednesday, June 5			
Posters 1 : Dyanmics of Crustal Deformation			
First Name	Last Name	General Topic	Title
Sven	Dannemann	Dynamics of Crustal Deformation	Paleomagnetic Record of Greater India in Paleocene limestones of the Western Himalaya
Kelly	Helmer	Dynamics of Crustal Deformation	Structural Geology of the Shillong Plateau, Northeastern India: A Laramide-Style, Basement-Involved Uplift in the Himalayan Foreland
Irum		Dynamics of Crustal Deformation	Tourmalines from the Mansehra Granitic Complex, NW Pakistan: A major element and boron isotope study
Ryoichi	Kawabata	Dynamics of Crustal Deformation	Preservation of the early Oligocene Barrovian-type metamorphism caused the fluid-present melting along Bhagirathi River in the Uttaraganti area, NW India
Iva	Lihter	Dynamics of Crustal Deformation	Paleozoic metamorphism in the Himalaya? Potential implications of new garnet Lu-Hf geochronology
Anlin	Ma	Dynamics of Crustal Deformation	Late Jurassic ophiolite obduction and the Lhasa-Qiangtang collision in central Tibet
David	Young	Dynamics of Crustal Deformation	Defining the age of eclogite-facies metamorphism in the central Himalaya
Sean	Kelly	Dynamics of Crustal Deformation	Contrasting styles of India-Asia intracontinental subduction and orogenesis from the Hindu Kush and Pamir to the central Himalayan-Tibetan orogen
Rishav	Mallick	Dynamics of Crustal Deformation	Evidence for the Breakup of the Indian Plate and Rise of the Shillong Plateau
Muhammad	Anjum	Dynamics of Crustal Deformation	Mineralogy, geochemistry and genesis of Fe-Cu deposits in Damal Nisar, SW Chitral, NW Kohistan Arc, Pakistan
Xuxuan	Ma	Dynamics of Crustal Deformation	Early Eocene syn-orogenic magmatism, metamorphism and tectonic event in Gangdese Belt (southern Tibet) inferred from <i>P-T-t</i> and kinematic constraints: Implications for Indo-Asian collision
Mason	Perry	Dynamics of Crustal Deformation	Little Geodetic Evidence for Localized Indian Subduction in the Pamir-Hindu Kush of Central Asia
Sher	Sultan Baig	Dynamics of Crustal Deformation	Late Jurassic subduction initiation under KIA and KK: A new concept of Neo-Tethys subduction
Zhihui	Cai	Dynamics of Crustal Deformation	Oligocene to early Miocene mid-crustal detachments and strike-slip shear zones in the western Yunnan, SE Tibet
Sudip	Shrestha	Dynamics of Crustal Deformation	The Greater Himalayan thrust belt: Insight into the assembly of the exhumed Himalayan metamorphic core, Modi Khola valley, central Nepal.
Neptune	Srimal	Dynamics of Crustal Deformation	Effects of Gondwanan Rifting on the Himalayan metamorphism and tectonics

Thursday, June 6			
Posters 2: Extension, Erosion and Exhumation and Sedimentary record			Title
First Name	Last Name	General Topic	
Tshering	Lama Sherpa	Extension, Erosion and Exhumation	Exhumation History of Bhumichula Plateau, Western Nepal
Aislin	Reynolds	Extension, Erosion and Exhumation	Is Accelerated East-West Extension of the Tibetan Plateau Driven by Underthrusting of the Indian Plate? A Study of the Tangra Yumco Rift, South-Central Tibet
Caden	Howlett	Extension, Erosion and Exhumation	INVESTIGATING THE ANACONDA METAMORPHIC CORE COMPLEX OF WESTERN MONTANA--INSIGHTS INTO THE EXTENSION DYNAMICS OF CONVERGENT OROGENIC BELTS
Harry	Matchette-Downes	Extension, Erosion and Exhumation	Correlating Tibet and the Pamirs: New constraints from detrital zircon age distributions
John	He	Extension, Erosion and Exhumation	Did mid-Cenozoic strata in the Central Pamir form in a bobber basin associated with local lithospheric delamination?
Xiaodian	Jiang	Sedimentary record	Two rapid uplifting in the northern margin of Tibet from sedimentary records
Sabina	Devkota	Sedimentary record	Assessment of climatic variability on optimal N in long-term rice cropping system
Lalit Kumar	Rai	Sedimentary record	SEDIMENTARY FACIES ANALYSIS OF THE SIWALIK GROUP ALONG MUKSAR KHOLA SECTION TO DECIPHER THE EVOLUTION OF THE FLUVIAL SYSTEM IN EASTERN NEPAL HIMALAYA
Lalit Kumar	Rai	Sedimentary record	Episodic supply of high-temperature metamorphic mineral-concentrated sands to the Bengal Fan
Paul	Betka	Sedimentary record	Quantifying Stratigraphic Correlations and Provenance within the Ancestral Brahmaputra Delta, a Record of Eastern Himalayan Exhumation and the Onset of the Indian Monsoon
Gourab	Bhattacharya	Sedimentary record	Detrital zircon U-Pb provenance of the Indus Group, Ladakh, NW India: Implications for the timing of India-Asia collision and early orogen processes
Christopher	Kneale	Sedimentary record	Tectonic Evolution of the Pamirs and North-western Tibetan margin (West Kunlun) as determined from the sedimentary record of Aertashi and Kekeya, Western Tarim Basin, China
Andrew	Laskowski	Sedimentary record	Detrital zircon provenance analysis of trench basin strata along the India-Asia suture in southern Tibet suggest that the Lhasa River is antecedent and transported sediment from the central Lhasa Terrane to the trench in Late Cretaceous time

Friday, June 7

Posters 3: Neotectonics and crustal rheology and the mantle

First Name	Last Name	General Topic	Title
Chao	Wang	Crustal rheology and the mantle	Early Mesozoic volcanic rocks on both side of the Yarlung-Tsangpo Suture: implications for early evolution of the Neo-Tethys
Xiaochi	Liu	Crustal rheology and the mantle	Two-mica granite as a complement to crystal accumulation: Insights from the Eocene Lhunze pluton-subvolcanic complex, South Tibet
Lei	Yang	Crustal rheology and the mantle	Is Himalayan leucogranite a product by in situ partial melting of the Greater Himalayan Crystalline?
Andrew	Hoxey	Neotectonics	Evidence for Recent Dextral Slip along the Western Nepal Fault System in northwest Nepal
Samuel	Haines	Neotectonics	Stratigraphic expression of the Main Frontal Thrust in central Nepal: A 40,000 year record in the Bardibas area
Dhananjay	Regmi	Neotectonics	GLOF and Hydropower Development in Nepal in the Context of Global Warming
Yuqiu	Zhao	Neotectonics	Recurrence Interval of Large Earthquakes in the Eastern Himalaya
Kaylee	Thomas	Dynamics of Crustal Deformation	Preliminary paleoseismic data along the Himalayan Frontal Thrust fault at the Haldwani site, Uttarakhand, India
Alina	Karki	Neotectonics	Landslide potential and glacial lake outburst flood hazards in the Makalu-Barun area (Nepal) accentuated by lithological variability
Roshan	Bhattarai	Neotectonics	Seismic Response of the Basin-fill Sediments and RC-buildings along a S-N transect in the Kathmandu Valley (Nepal)
Pratap	Bohara	Neotectonics	ANALYSIS OF SHALLOW SEISMIC WAVES TO DETERMINE GEOTECHNICAL SITE CHARACTERIZATION IN KATHMANDU VALLEY
Robyn	Daniels	Neotectonics	Medieval Seismicity on the Himalayan Frontal Thrust Fault at Lal Dhang, Uttarakhand, India
Erwin	Appel	Neotectonics	Extended glaciation triggered West-East climate divergence in the NE Tibetan Plateau region during and after the Mid-Pleistocene Transition
Subodh	Dhakal	Neotectonics	Landslide Mapping, Characterization and Prediction in Siwaliks Zone of Nepal
Beth	Pratt-Sitaula	Neotectonics	Rapid subsidence in Kathmandu Valley measured by GPS and InSAR
Kabi Raj	Paudyal	Neotectonics	Active Fault System of the Lesser Himalaya of Nepal with special reference to the Badi Gad Fault
Ishwar	Singh	Neotectonics	Holocene Shortening Rate along the Mishmi Thrust, Eastern Flank of the Eastern Himalayan Syntaxis (EHS)