



**GeoPRISMS Theoretical & Experimental Institute for the RIE Initiative**  
**Student & Postdoc Symposium**

ABQ Hotel, Albuquerque, NM

February 7-10, 2017

Poster list

- 1 | Rift evolution from initiation to post rift architecture
- 2 | Geodynamics
- 3 | Magmatism, volcanism and volatile exchanges
- 4 | Faulting and Strain
- 5 | Surface processes and feedbacks with rifting
- 6 | Hazards associated with rifts and rifted margins
- 7 | Collaborative opportunities

Last Name	First Name	Email	Section	Poster title
<b>SECTION A</b>				
Accardo	Natalie	accardo@ldeo.columbia.edu	A 3	Constraints on the 3D basin architecture of the weakly extended Malawi Rift from an onshore/offshore wide-angle refraction experiment
Aldaajani	Thamer	tza117@psu.edu	A 1	Tectonic implication of structural architecture changes along the Red Sea Rift
Bécel	Anne	annebcl@gmail.com	A 2	Constraints on the final stages of breakup and early spreading history of the Eastern North American Margin from New MCS data of the Community Seismic Experiment
Berry	Michael	michael.berry@student.nmt.edu	A 5	Drainage development of rifting
Blanchette	Alexander	ablanch@stanford.edu	A 2	Mantle earthquakes and volcanics near the Red Sea Rift: Harrat Lunayyir, Saudi Arabia
Chiasera	Brandon	chiasera@msu.edu	A 3	Magmatically assisted off-rift extension - a study of the Galema range.
Davis	Joshua	buddavis@utexas.edu	A 1	Volcanic vs. magma-poor passive margins: insights from numerical modeling experiments
DiMaggio	Erin	dimaggio@psu.edu	A 5	Trace element investigation of tephras from the Ledi-Geraru paleontological site in Afar, Ethiopia



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Doherty	Cathleen	cathleen.dale@gmail.com	A 1	Multi-stage evolution of the lithospheric mantle in the West Antarctic Rift System
Dowla	Naila	nailadowla@gmail.com	A 4	Identifying Triassic rift basins in northwest Africa using gravity enhancements
Eilon	Zachary	zachary_eylon@brown.edu	A 1	Lessons learned from the young, fast Woodlark Rift, Papua New Guinea
Elling	Reece	reeceelling2022@u.northwestern.edu	A 1	Comparative riftology: Insights into the evolution of passive continental margins and continental rifts from the failed Midcontinent Rift (MCR)
Emishaw	Luelseged	luel.emishaw@okstate.edu	A 2	Evolution of the Broadly Rifted Zone in southern Ethiopia through gravitational collapse of dynamic topography
Emry	Erica	erica.emry@nmt.edu	A 2	Upper mantle low-velocity anomalies beneath the East African Rift from long-period ambient noise tomography
Fazlikhani	Hamed	Hamed.fazlikhani@gmail.com	A 4	What role does structural inheritance play in controlling the geometry of rifted basins during multiple phases of extension? A case study from the Northern North Sea.
Feucht	Danny	daniel.feucht@colorado.edu	A 1	Magnetotelluric imaging of lithospheric modification due to late Cenozoic extension in the Rio Grande Rift, New Mexico, USA
Gibson	James	jgibson@ldeo.columbia.edu	A 5	Tectonic and climatic controls on seafloor sedimentary processes from analysis of sonar and 3D conventional seismic data collected during the Galicia 3D seismic experiment
Grapenthin	Ronni	rg@nmt.edu	A 3	Post-rifting relaxation after the 2014/15 Holuhraun rifting episode, Iceland
Greene	John	greene@tamu.edu	A 1	Refining the formation and early evolution of the Eastern North American Margin (ENAM): New insights from multiscale magnetic anomaly analyses



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Greenfield	Tim	t.s.greenfield@soton.ac.uk	A 3	Microseismicity of Corbetti and Bora volcanoes in the Main Ethiopian Rift
Han	Liang	liangan@utexas.edu	A 1	The effects of rapid sedimentation upon continental breakup: Seismic imaging and thermal modeling of the Salton Trough, Southern California
Heilman	Erin	erin.heilman@okstate.edu	A 4	Role of the Mughese Shear Zone in oblique rifting along the Rukwa-Malawi segment of the East Africa Rift
Huebert	Juliane	juliane.huebert@ed.ac.uk	A 3	Evidence for off-axis magma pathways in the Central Main Ethiopian Rift as imaged by Magnetotellurics
Hunt	Jonathan	jonathan.hunt@univ.ox.ac.uk	A 3	The influence of structure on CO <sub>2</sub> degassing and past volcanism in the Main Ethiopian Rift
Ilanco	Tehnuka	tilanco@unm.edu	A 3	Gas geochemistry at the fumarolic ice caves of Erebus volcano, Antarctica
Ilhan	Ibrahim	iilhan@alaska.edu	A 4	Meso–Cenozoic evolution of the Chukchi Borderland: Constraints on the tectonic development of the Amerasia Basin, Arctic Ocean
Ismail	Mohammad	ism07physics@gmail.com	A 1	Rift structure and break-up evolution of the Eastern Continental Margin of India: Evidence from high quality seismic reflection profile and drilled well
Jammes	Suzon	suzon.jammes@txstate.edu	A 1	Effect of contrasting structural and compositional inheritances on the development of the North American margin
Kolawole	Folarin	folarin@okstate.edu	A 4	Active deformation of Malawi Rift's North Basin hinge zone modulated by reactivation of Precambrian Shear zone fabric
Krans	Susan	kranssus@msu.edu	A 3	Life and Death of a Flood Basalt: A Petro-stratigraphic tour of Flood Basalt Magma Evolution
Lee	Hyunwoo	lhw615@unm.edu	A 3	Incipient rifting accompanied by the release of subcontinental lithospheric mantle volatiles in the Magadi and Natron basin, East Africa



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Liu	Yiduo	yliu59@uh.edu	A 4	Geometry and kinematics of the oblique border faults in the Tusas Mountain segment, Rio Grande rift, northern New Mexico
Luckie	Thomas	tluckie@unm.edu	A 3	Why did we ever break up? Magmatism and extension along the Eastern North American Margin (ENAM) from GeoPRISMS ENAM Community Seismic Experiment refraction data
Lynner	Colton	colton.lynner@gmail.com	A 1	Crustal thinning and a sharp crustal contrast across the eastern North American margin
Mana	Sara	smana@salemstate.edu	A 3	Tectonomagmatic evolution of the East African Rift System as documented in West Turkana, Kenya
Mark	Hannah	hmark@whoi.edu	A 4	Seismic cycles on normal faults at divergent plate boundaries from rate-and-state friction models
Marzen	Rachel	rem2195@columbia.edu	A 1	Constraints on crustal structure in the Southeastern United States from the SUGAR 2 refraction seismic refraction experiment
Mesko	Gary	mesko@ldeo.columbia.edu	A 3	Character and quantification of plume influence at Rungwe Volcanic Province
Monteleone	Vanessa	v.monteleone@soton.ac.uk	A 2	Crustal structure of the Eastern Black Sea Basin: New insights from long-offset seismic data
Mostafanejad	Akram	akram@passcal.nmt.edu	A 2	Imaging Moho within the ancient Reelfoot rift system
Muluneh	Ameha	ameha.atnafu@aau.edu.et	A 4	Kinematic reconstruction of the Ethiopian Rift since 20 Ma: Implication for deformation and strain accommodation
Myers	Madison	mmyers3@uoregon.edu	A 3	Ascent rates of rhyolitic magma during the opening stages of explosive caldera-forming eruptions
Nakai	Jenny	jenny.nakai@colorado.edu	A 2	Seismicity of the Rocky Mountains and Rio Grande Rift from the EarthScope Transportable Array and CREST temporary seismic networks, 2008-2010



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Naliboff	John	jbnaliboff@ucdavis.edu	A 2	Modeling 2-D and 3-D continental extension with the open-source, finite element code ASPECT
Oliva	Sarah Jaye	soliva@tulane.edu	A 3	Deciphering the role of fluids in early stage rifting from full moment tensor inversion of East African earthquakes
Persaud	Patricia	ppersaud@lsu.edu	A 1	A bottom-driven mechanism for distributed faulting in the Gulf of California Rift
Rahilly	Kristen	kerahilly@unm.edu	A 3	Comparison of diffuse carbon dioxide measurements at three different geothermal systems
Rotman	Holly	holly.rotman@nmt.edu	A 3	Activity of West Antarctic Rift System volcanoes in the Western Ross Sea
Shuck	Brandon	brandon.shuck@utexas.edu	A 2	Evolution of the upper lithosphere in the ENAM area from wide-angle seismic data
Smye	Andrew	smye@psu.edu	A 3	Crustal reheating and mantle upwelling during continental break-up triggered by lithospheric deformation
Stephens	Kirsten	kjs51@psu.edu	A 3	Examining crustal deformation and magma-tectonic interactions in a young continental rift zone
Tessema	Tesfaye Temtime	tt12899@bristol.ac.uk	A 3	Sustained deformation at the Tendaho geothermal prospect, Ethiopia
Welcome	Leiaka	lwelcome@mymail.mines.edu	A 5	Arid Continental Rift Systems: Exploration of the Rio Grande Rift Basin Complex
Xue	Liang	xlia@okstate.edu	A	Spatial and Temporal Variability of Tectonic Uplift Rates on the Southeastern Ethiopian Plateau, East African Rift System

**SECTION B**



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Abdelsalam	Mohamed	mohamed.abdel_salam@okstate.edu	B 2	Evolution of the Broadly Rifted Zone in southern Ethiopia through gravitational collapse and extension of dynamic topography
Atekwana	Estella	estella.atekwana@okstate.edu	B 2	Passive seismic investigations of the amagmatic southern and southwestern segments of the East African Rift System
Axen	Gary	Gary.Axen@NMT.edu	B 2	Surface uplift history and geodynamics of the Socorro Magma Body (SMB), central Rio Grande Rift
Blackman	Donna	dblackman@ucsd.edu	B 2	Rheologic feedbacks between crystal preferred orientation and mantle flow driven by plate spreading
Canales	J. Pablo	jpcanales@whoi.edu	B 4	Crustal structure across the Okavango continental rift zone, Botswana: Results from the PRIDE-SEISORZ active-source seismic profile
Conder	James	conder@geo.siu.edu	B 1	Isostatically driven asthenosphere flow and the transition from rifting to seafloor spreading
Ebinger	Cindy	cebinger@tulane.edu	B 2	Active deformation and magmatism during early stage rifting of Archaean lithosphere in the Eastern rift, Africa
Floyd	Michael	mfloyd@mit.edu	B 4	State of the GPS network and velocity solution across the entire East African Rift
Gaherty	James	gaherty@ldeo.columbia.edu	B 3	Surface-wave imaging of the weakly-extended Malawi Rift from ambient-noise and teleseismic Rayleigh waves from onshore and lake-bottom seismometers
Gans	Phillip	gans@geol.ucsb.edu	B 1	The progression from magmatic to tectonic extension in a failed continental rift - the Colorado River extensional corridor in the southwestern United States
Harris	Robert	rharris@ceoas.oregonstate.edu	B 2	Heat flow across the Northern Gulf of California: Results of a high resolution survey across the Wagner Basin
Harry	Dennis	Dennis.Harry@colostate.edu	B 2	A kinematic model for opening of the Gulf of Mexico



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Hayman	Nicholas	hayman@ig.utexas.edu	B 2	Deformation mechanisms for wide extension and a project concept for the Sao Paulo Plateau
Karson	Jeff	jakarson@syr.edu	B 1	Mid-crustal spreading in thick mafic crust of magmatic rifts, volcanic rifted margins and mid-ocean ridges
Lamb	Lisa	malamb@stthomas.edu	B 1	An ideal natural laboratory to examine continental rifting: the sedimentary record of rift initiation and evolution in the Lake Mead Area
Láo-Dávila	Daniel	daniel.lao_davila@okstate.edu	B 4	Rift border fault segmentation through along-strike deflection: Evidence from Southern Malawi Rift
Lutz	Brandon	lutz.brandon1@gmail.com	B 4	3D modeling of fault systems in Owens Valley, California
Morgan	Juli	morganj@rice.edu	B 1	Processes occurring during the latest stages of rifting: Evidence from new 3D seismic data of the west Iberia margin
Nelson	Wendy	wrnelson@towson.edu	B 3	Exploring the link between alkaline lavas and metasomatized mantle in the Western Branch, Uganda
Nyblade	Andrew	aan2@psu.edu	B 4	Thick lithosphere, deep crustal earthquakes and no melt: A triple challenge for understanding extension in the western branch of the East African Rift
Savage	Brian	savage@uri.edu	B 4	Wave speed structure of the Eastern North American Margin
Shillington	Donna	djs@ldeo.columbia.edu	B 4	Imaging active intra-basin faults in the Northern Basin of Lake Malawi from seismic reflection data
Umhoefer	Paul	paul.umhoefer@nau.edu	B 1	The middle to late Miocene evolution of the central to southern (USA + Mexico) Basin and Range in relation to continental rupture of the Gulf of California
van Wijk	Jolante	jolante.vanwijk@nmt.edu	B 2	How to form a micro-continent



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Yan	Pin	yanpin@scsio.ac.cn	B 4	Extremely rifted continental crust in the pre-Taiwan collision zone of the South China Sea