2014 STUDENT RESEARCH DAY & ALUMNI/INDUSTRY OPEN HOUSE

ABSTRACT VOLUME

ORAL PRESENTATIONS

	Title
Matt Cannon	Internal Deformation of the
	Himalayan Thrust Wedge Revealed by
	Regional Mapping and Stream
	Channel Analysis
Dan Coleff	Geomechanical and acoustic
	properties measurements on
	reconsolidated mudrock constituents
	at reservoir stresses
Shawn	Absolute dating of source rocks using
Wright	rhenium and osmium isotopes
Xin Lan	Atmospheric mercury measurements
	in the Barnett shale area, Texas:
	Implications for oil and gas emissions
Yuribia	Analysis of sedimentation rates in the
Munoz	Antarctic Peninsula throughout the
	Holocene: Comparing results from
	millennial and centennial timescales
Jiangbo Yu	Is there deep-seated subsidence in
J	the Houston-Galveston area?
Marie De Los	The Lobo Formation of southern New
Santos	Mexico: A Laramide syn-tectonic
	deposit
Xuan Qin	Modeling organic-rich shale with
	different maturity levels
Crystal	A reconstruction of climate change
Saadeh	and orbital cyclicity using stable
	isotopic analysis from the Shada
	Basin, southwestern Tibetan Plateau
Harold	Atmospheric variations of Jupiter and
Trammell	Saturn
Ryan Jeffcoat	In situ microanalytical analysis of CAIs
•	in meteorites: Constraints on models
	of early solar system evolution
Proma	Paleo-channel reconstruction and
Battacharya	grain size variability in Ferron
- ,	Sandstone, Hanksville, Utah

Speaker	Title
Jiannan	Marine guided-waves: Applications and
Wang	filtering using physical modeling data
Eren	Sequence stratigraphy and well log
Dongel	interpretation of the Bakken Formation,
	North Dakota
Eray Kocel	Near-surface geophysical investigation of
	the 2010 Haiti earthquake epicentral
	area Léogâne, Haiti.
Joey	Wildfire Emissions from the 2006 El Nino
Rodriguez	and its implications for interannual
	variability
Sercan	Reservoir characterization via Amplitude
Pisen	Versus Offset (AVO) analysis and
	impedance inversion, Thrace Basin,
	northwestern Turkey
Lijun Diao	Underpredicted anthropogenic isoprene
	emissions in Houston during 2013
	DISCOVER-AQ Houston Campaign
Johnny	3D numerical investigation of oceanic
Seales	core complex formation
Laura	The effects of Nox and VOCs on ozone
Judd	production during DISCOVER-AQ Houston
	2013
Jen	Glacial geomorphology of the eastern
Campo	Antarctic Peninsula
Alex	The meteorological influences on ozone
Kotsakis	production during DISCOVER-AQ 2013
Zhao Li	Source mechanism inversion in an
	anisotropic physical model
Oyem	Layer thickness estimation from the
Arnold	frequency spectrum of seismic reflection
	data

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STUDENT POSTER SESSION

UNDERGRADUATE STUDENTS

Presenter	Title
Batbayar, Kherlen	Changes in Late Cretaceous-Quaternary Caribbean plate motion directions
	inferred from paleostress meansurements from striated fault planes
Borgman, Barry	Processing and analysis of 2D seismic data acquired on a glacial bench in Red
	Lodge, MT
Casso, Monica	Kabul basin, Afghanistan: A pull-apart basin marking the northeastern end of the
	850-km-long Chaman left-lateral strike-slip fault and its linkage to the sub-parallel
	Herat strike-slip fault zone
Dowla, Naila	Quantitiative restoration in the Gulf of Corinth, central Greece, over 1 million
	years
Erickson, Stephanie	FTIR Analysis of Ethiopian xenoliths: water abundance evidence for an unaltered,
	ancient mantle source
Haynie, Kirstie	Shallow subsurface detection of buried, weathered hydrocarbons using
	integrated geophysical techniques
Krupnik, Diana	Hydrocarbon Microseepage and geobotanical anomalies
Meado, Andrea	Mantle melting relationships recorded by abyssal peridotite trace element
	abundances
Sammons, Sterling	Mapping Chaman Fault in Southern Pakistan

GRADUATE STUDENTS: MS

Presenter	Title
Bartschi, Nicolas	Linking Campanian foreland deposition to Sevier hinterland source regions in Book Cliffs,
	Utah
Castillo, Karilys	Cenozoic paleogeography of the easternmost part of the Eastern Venezuelan Basin
	based on seismic data and well information
Conklin, Tucker	Evolution of a Continental Shelf Margin Mini-basin, Northern Gulf of Mexico
Crews, Corbin	Geologic controls on hydrocarbon production in the Bakken Petroleum System: A field level study
Hasan, Murad	Stages of Jurassic rifting, magamatism and salt deposition in the eastern Gulf of Mexico
	inferred from a grid of deep-penetration seismic reflection data tied to wells
Kerekgyarto, Andy	Stable and radiogenic magnesium isotope variation in Melilite mantle of Allende type B1
	CAI EK 459-5-1
Li, Zhiyang	Evaluating along-strike variation using thin-bedded facies analysis, Upper Cretaceous
	Ferron Notom Delta, Utah
Loureiro, Patrick	Miocene to recent opening direction of the Virgin Islands basins from offshore seismic
	data, high resolution bathymetry, onland faulting and GPS measurements
Mejia, Carolina	Sequential stages of the fold-thrust belt of the Eastern Cordillera, Colombia, Inferred
	from a deep exploration well tied to seismic reflection data
Privalova, Irina	Oil detection within the Middle Jurassic sediments in the southern part of Western
	Siberia
Rusakov, Pavel	A permeability prognosis within the middle Jurassic sediments in the southern part of
	western Siberia based on 3D seismic and log data
Snyder, Casey	Remote sensing of thin-bedded reservoir analogs in an ancient delta using high-
	resolution, ground-based, hyperspectral and LiDAR technologies, Cretaceous Notom
	Delta, Utah

ABSTRACT VOLUME

STUDENT POSTER SESSION

Presenter	Title
Staszyc, Alicia	Investigation of the grain size, shape and texture of the Perseverance Drift, Antarctic
	Peninsula: transport history and Holocene variability
Sun, Lei	Remote Sensing of Hydrocarbon-Induced Rock Alterations at Cement Field, Oklahoma
Zong, Jingjing	Salt anisotropy: ultrasonic lab experiments and traveltime ramifications
	TUDENTS: PhD
Presenter	Title
Abir, Ismail	Could normal fault basement ramps control salt movement in Northern Pakistan?
Arnold, Oyem	Application of Constrained least squares spectral analysis
Aziz, Azizuddin	GPR modeling and imaging of burials at the historic Mueschke Cemetary, Texas
Barnard, Alex	Identification and Analysis of Subsea Gas Emission Sites using Multibeam Sonar Data
2aa.a, 7e.x	from the Barbados Accretionary Complex
Biber, Kivanc	3-D Geologic Outcrops with Laser Scanning, Photogrammetry and Hyperspectral Imaging
DINCI, KIVAIIC	Recent Developments and Applications
Blanco, Joan	Petroleum Prospectivity of the La Vela area north of the inverted Falcon Basin,
bialico, Joan	Venezuela
Bradley, Deborah	Chemical zonation of garnet in lawsonite eclogite from south of the Monagua Fault Zone
brauley, Deburan	Guatemala: evidence for a complex growth history
Caicedo, Vanessa	
	Study of Houston's Planetary Boundary Layer using LIDAR Measurements
Chen, Xinyang	Petrologic and geochemical constraints on the origin of authigenic euhedral quartz
Continue Continue	crystals in the Edwards Formation, Central Texas
Cuchiara, Gustavo	Intercomparison of planetary boundary later parameterizations in the WRF Model for a
8 811111	case study in Houston, Texas
Dave, Riddhi	Shear Wave Structure in the Crust and Upper Mantle Beneath the Wyoming Craton
Huang, Jingqui	Integrated Geophysical Study of Faults Neat the Pierce Junction Salt Dome, Houston
Huang, Long	Fluid substitution effects on seismic anisotropy
Kao, Angela	Influence of Global Warming on Cloud Variability and Precipitation
Kapur, Sunil	Automatic Arrival Picking Using Super-Gaussian Minimum Uncertainty Wavelets
Liu, Lei	A Meteorological Climatology for the past 23 years to Quantify Potential Changes in Air Flow and Ozone in the Houston Area
Liu, Yiduo	Early-stage extension and synthetic dip panel in the Abiquiu Embayment, northern Rio Grande Rift
Luchen, Li	Investigation of MOHO structure in Basin and Range Area and Colorado Pleateau using
	receiver functions
Munoz, Yuribia	Analysis of sedimentation rates in the Antarctic Peninsula throughout the Holocene,
•	comparing results form millennial and centennial timescales
Okyay, Unal	Remote Detecting of Hydrocarbon Microseepage-induced Rock Alterations in the Garza
- 1-1,	Oil Field, Texas
Pan, Shuai	Simulated impacts of stagnation on surface O3 and PM2.5 over southeast Texas
Rueber, Kyle	Are along-strike Alternations of Symmetrical and Non-symmetrical South Atlantic
nucher, kyle	Conjugate Margins Controlled by Volcanics vs. Non-volcanic Rifting Processes?
Sanchez, Javier	Structure and basin analysis of the Honduras Berderlands and Western Nicaraguan Rise,
	Northwestern Caribbean
Sundall Kurt	
Sundell, Kurt Wright, Shawn	Neogene uplift of the central Andean Plateau Po Os Googhemistry and Googhemalogy of the Permian Prushy Canyon Formation
	Re-Os Geochemistry and Geochronology of the Permian Brushy Canyon Formation, Delaware Basin, West Texas
7hang Vin	
Zhang, Xin	Permeability estimation and fluid flow