curriculum vitæ of Ryan J. Herring

DEPARTMENT OF EARTH SYSTEM SCIENCES, YONSEI UNIVERSITY

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Research Interests

My research primarily focuses on obtaining a quantitative understanding of fluvial and deltaic morphodynamics, geomorphology, stratigraphy, marine geophysics, and halokinesis. Through the course of my research, I seek to derive fundamental relationships in sediment transport using my knowledge of mathematics to study, through experiments and observations, the geomorphological processes of our world and others, with a special emphasis on applying my knowledge of fluvial and deltaic stratigraphy to Mars and Titan via remote sensing, spectral mineralogy, and machine & deep learning. I am also heavily involved in outreach and STEM education, and am always looking for new opportunities.

EDUCATION

2022 (Anticipated) M.S. in Earth System Sciences YONSEI UNIVERSITY, REPUBLIC OF KOREA Adviser: Wonsuck Kim Adviser: Wonsuck Kim 2019 B.S. in Geological Sciences THE UNIVERSITY OF TEXAS AT AUSTIN, U.S.A. Major: Geosciences/Geology (Formerly: Petroleum Engineering) Minor: Mathematics¹ Adviser: Cornel Olariu Adviser: Cornel Olariu

Research Experience

Jun. 2020 – Sep. 2020	Postgraduate Research Scientist (Intern)
	Atmosphere, Climate, and Ecosystem Science Team (ACES)
	Earth System Observations Group (EES-14)
	Earth and Environmental Sciences Division (EES)
	Los Alamos National Laboratory (LANL)
	Triad National Security
	National Nuclear Security Administration (NNSA)
	United States Department of Energy (DOE)
	Advisers: Anastasia Piliouras, Jon Schwenk, Joel Rowland
Feb. 2020 – Present	Researcher
	Morphodynamics and Quantitative Stratigraphy Research Group
	Department of Earth System Sciences
	Institute of Natural Science
	Yonsei University
	Adviser: Wonsuck Kim
Aug. 2019 – Jun. 2020	Researcher
	GOM/Chicxulub Research Group
	Quantitative Sedimentology Research Group
	Institute for Geophysics
	The University of Texas at Austin

Advisers: John Goff, David Mohrig, Eric Prokocki, Dan Duncan, Marcy Davis

¹The Jackson School of Geosciences did not recognise minors on transcripts for the 2016-2018 catalogue, but all of the requirements for a mathematics minor were completed per the University of Texas' regulations.

Researcher Jun. 2019 – Jun. 2020 Dynamic Stratigraphy Research Group Department of Geological Sciences The University of Texas at Austin Advisers: Cornel Olariu, Mark Helper, Ron Steel GIS Programmer/Software Engineer (Intern) Jun. 2019 – Aug. 2020 Groundwater Advisory Unit (GAU) Railroad Commission of Texas (RRC) Supervisors: Norman Gearhart, James Harcourt, Royce Massey Jan. 2017 – Jun. 2019 Undergraduate Researcher Dynamic Stratigraphy Research Group Morphodynamics and Quantitative Stratigraphy Research Group Department of Geological Sciences The University of Texas at Austin Advisers: Cornel Olariu, Mark Helper, Wonsuck Kim, Ron Steel Undergraduate Research Collaborator Jan. 2017 – Mar. 2017 Dynamic Stratigraphy Research Group Department of Geological Sciences The University of Texas at Austin Advisers: Austin Clayton, Cornel Olariu, Logan West PUBLICATIONS UNCLASSIFIED REPORTS [N = 1]Published: 1. Herring, R., Piliouras, A., Schwenk, J., Rowland, J., 2020. Autonomous Machine Learning Identification of Arctic River Ice via Sentinel-1 C-SAR, United States Department of Energy SULI, LA-UR-20-28771. STUDENTS' PUBLICATIONS [N = 2]Research group members: [†]Postdoctoral researcher, [‡]Postgraduate student, [§]Undergraduate student. Published: 1. [§]Borja, M., Herring, R., Kim, W., 2021. Morphometric analysis and dimensional trends in Gulf of Mexico minibasin geometries [B.S. thesis]: Yonsei University. Submitted: 1. [§]Yun, E., Herring, R., Kim, W., 202x. Origin of the roughness transition in Gulf of Mexico minibasin bathymetry [B.S. thesis]: Yonsei University. FIRST-AUTHORED CONFERENCE PRESENTATIONS [N = 11]*Oral presentation Research group members: [†]Postdoctoral researcher, [‡]Postgraduate student, [§]Undergraduate student. Published:

- Herring, R., Kim, W., [§]Borja, M., 2021. Morphometric analysis and basinal dimensional trends in Gulf of Mexico minibasin geometry, 2021 Korean Society of Economic and Environmental Geology Spring Geological Science and Technology Joint Conference, Abstract PL-6.
- 2. *Herring, R., [§]Borja, M., Kim, W., 2020. Basinal dimensional trends in Gulf of Mexico minibasin geometry, *2020 American Geophysical Union Annual Meeting*, Abstract EP065-02.
- 3. *Herring, R., Piliouras, A., 2020. Autonomous Machine Learning Identification of Arctic River Ice via Sentinel-1 SAR, 20th Annual Los Alamos National Laboratory Student Symposium.

- 4. Herring, R., Olariu, C., Helper, M., 2020. Deducing the Timing and Magnitude of Late Quaternary Mississippi River Deltaic Progradation and Retrogradation Coeval with the Waning Phase of the Last Glacio-eustatic Cycle by Modelling Volumetric Flooding Rate and Sediment Discharge Since the Cessation of the Late Wisconsin Glacial Stage, 9th Annual Jackson School Student Research Symposium, Abstract U-9.
- 5. *Herring, R., Olariu, C., Helper, M., 2019. The Fate of the Mississippi River Sediment Amidst the Waning Phase of the Last Glacio-eustatic Cycle: A Volumetric Quantification and Modelling of Late Quaternary Deposition Coeval with the Cessation of the Late Wisconsin Glacial Stage, 2019 American Geophysical Union Annual Meeting, Abstract EP32A-07.
- Herring, R., Olariu, C., Helper, M., 2019. The Fate of the Mississippi River Sediment Amidst the Waning Phase of the Last Glacio-eustatic Cycle: A Volumetric Quantification and Modelling of Late Quaternary Deposition Coeval with the Cessation of the Late Wisconsin Glacial Stage, 2019 RioMAR Annual Meeting.
- Herring, R., Olariu, C., Helper, M., 2019. The Fate of the Mississippi River Sediment During the Last Glacio-eustatic Cycle: A Volumetric Quantification, 2019 American Association of Petroleum Geologists SWS Annual Meeting, Abstract 90343.
- Herring, R., Olariu, C., Helper, M., 2019. The Fate of the Mississippi River Sediment During the Last Glacio-eustatic Cycle: A Volumetric Quantification, 8th Annual Jackson School Student Research Symposium, Abstract U-9.
- 9. Herring, R., Olariu, C., 2018. The Fate of the Mississippi River Sediment During the Last Phase of the Last Glacio-eustatic Cycle: A Volumetric Quantification, *2018 RioMAR Annual Meeting*, Abstract P-1.
- Herring, R., Olariu, C., 2018. Calculation of the Volume of Late Quaternary Mississippi River Off Shelf Deposits, 7th Annual Jackson School Student Research Symposium, Abstract SHP-U.

Submitted:

 Herring, R., Kim, W., [§]Borja, M., 2021. Elucidating linkages in variations of the first eccentricity and rim rugosity of Gulf of Mexico minibasin geometries via geomorphometric analysis of bathymetric data, 2021 American Geophysical Union Annual Meeting, Abstract 935751.

CO-AUTHORED CONFERENCE PRESENTATIONS [N = 2]

Research group members: [†]Postdoctoral researcher, [‡]Postgraduate student, [§]Undergraduate student. Published:

 [§]Borja, M., Herring, R., Kim, W., 2021. Morphometric analysis and dimensional trends in Gulf of Mexico minibasin geometries, *Yonsei University Department of Earth System Sciences Undergrad*uate Research Festival.

Submitted:

 Wu, C., Kim, W., Moodie, A., Cardenas, B., Herring, R., Dong, T., Ma, H., Tsai, F., Li, A., Nittrouer, J., 2021. Pace of Meandering and Avulsion Set River Sinuosity near Coast on Earth and Mars, 2021 American Geophysical Union Annual Meeting, Abstract 994102.

INVITED TALKS AND LECTURES

14 Oct. 2021	Environmental Hydrodynamics Laboratory, Seoul, Korea
	"Geomorphometric Analysis of of Gulf of Mexico Minibasin Geometries"
01 Oct. 2021	Yonsei University Frontier Seminar, Seoul, Korea
	"Elucidating Linkages in Variations of the First Eccentricity and Rim Rugosity of Gulf of Mexico Minibasin
	Geometries via Geomorphometric Analysis of Bathymetric Data"
29 Jul. 2021	Morphodynamics and Quantitative Stratigraphy Research Group, Seoul, Korea
	"Morphometric Analysis and Basinal Dimensional Trends in Gulf of Mexico Minibasin Geometry"
16 Apr. 2021	Yonsei University Frontier Seminar, Seoul, Korea
	"Morphometric Analysis and Basinal Dimensional Trends in Gulf of Mexico Minibasin Geometry"

08 Apr. 2021	Morphodynamics and Quantitative Stratigraphy Research Group, Seoul, Korea
03 Apr. 2021	"Morphometric Analysis and Basinal Dimensional Trends in Gulf of Mexico Minibasin Geometry" Yonsei University Department of Earth System Sciences , Seoul, Korea
16 Dec. 2020	"Morphodynamics and Quantitative Stratigraphy Laboratory: Research and Opportunities" American Geophysical Union (AGU) Annual Meeting, San Francisco, U.S.A.
04 Nov. 2020	"Basinal Dimensional Trends in Gulf of Mexico Minibasin Geometry" Morphodynamics and Quantitative Stratigraphy Research Group, Seoul, Korea
14 Aug. 2020	"Autonomous Machine Learning Identification of Arctic River Ice via Sentinel-1 C-SAR" Los Alamos National Laboratory Student Symposium, Los Alamos, U.S.A.
05 Aug. 2020	"Autonomous Machine Learning Identification of Arctic River Ice via Sentinel-1 SAR" Non-group, Los Alamos National Laboratory, Los Alamos, U.S.A.
08 Jun. 2020	"Automated Identification of Arctic River Ice via Sentinel-1 SAR" Morphodynamics and Quantitative Stratigraphy Research Group, Seoul, Korea
30 Mar. 2020	"Basinal Dimensional Variations in Gulf of Mexico Minibasin Geometry" Morphodynamics and Quantitative Stratigraphy Research Group, Seoul, Korea
12 Dec. 2019	"The Fate of the Mississippi River Sediment Amidst the Waning Phase of the Last Glacio-eustatic Cycle" American Geophysical Union (AGU) Annual Meeting, San Francisco, U.S.A.
04 Dec. 2019	"The Fate of the Mississippi River Sediment Amidst the Waning Phase of the Last Glacio-eustatic Cycle" Dynamic Stratigraphy Research Group, Austin, U.S.A.
	"The Fate of the Mississippi River Sediment Amidst the Waning Phase of the Last Glacio-eustatic Cycle"

Conferences

Jun. 2021	Korean Society of Economic and Environmental Geology Conference (Presenter)
Jun. 2021	SEPM International Sedimentary Geosciences Congress (ISGC)
Mar. 2021	37 th Gilbert Club Annual Meeting
Dec. 2020	101 st American Geophysical Union (AGU) Annual Meeting (Speaker & Presenter)
Aug. 2020	20 th Annual Los Alamos National Laboratory Student Symposium (Speaker)
Feb. 2020	9 th Annual Jackson School Student Research Symposium (Presenter)
Dec. 2019	100 th American Geophysical Union (AGU) Annual Meeting (Speaker)
Dec. 2019	RioMAR Annual Meeting (Presenter)
Apr. 2019	American Association of Petroleum Geologists (AAPG) SWS (Presenter)
Mar. 2019	University of Texas Institute for Geophysics (UTIG) PLATES Symposium
Mar. 2019	50 th Lunar and Planetary Science Conference (LPSC)
Feb. 2019	8 th Annual Jackson School Student Research Symposium (Presenter)
Dec. 2018	RioMAR Annual Meeting (Presenter)
Nov. 2018	Applied Geodynamics Laboratory (AGL) Annual Meeting
Jun. – Jul. 2018	University of Texas Planetary Habitability Pop-Up Institute
Feb. 2018	7 th Annual Jackson School Student Research Symposium (Presenter)
Feb. 2017	6 th Annual Jackson School Student Research Symposium

WORKSHOPS

Dec. 2020	Machine Learning and Deep Learning for the Environmental and Geosciences
Dec. 2020	Python for Remote Sensing: Analysis, Visualization, and Workflow for Earth Scientists
Apr. 2019	EU-In-Time-Rise Workshop on Geochronology and Mars Exploration (Session Chair)

Field Experience

May – Jun. 2019	Marine Geology and Geophysics Expedition in the	Gulf of Mexico UT INSTITUTE FOR GEOPHYSICS
	Collected, processed, and interpreted multibeam echosounder ((MCS), and CHIRP data, in addition to collecting and perforr and grab samples. Combined these in order to investigate the g offshore of the Corpus Christi Bay and map the lowstand Nuev findings as team to sponsors.	MBES) sonar, side-scan sonar, multichannel seismic ning sedimentological analyses on piston/push/box cores geomorphological effects of Hurricane Harvey in and ces River valley from the Last Glacial Maxima. Presented
Jan. – May 2018	Central Texas The UN	iversity of Texas Dept. of Geological Sciences
	Teaching Experience	
Jan. 2016 – Feb. 2020	Volunteer Tutor	
	Hosted informal weekly review lectures for engineering classmates in sedimentary geology course covering the material learned during the official lecture time due to popular request after helping classmates understand course concepts. Prepared notes over course lectures and study guides to help students prepare for exams.	
	Mentored Students	
	Undergraduate Students	
Spring 2020 – Present	Maria Paula Borja Tibaduiza, B.S. in Earth System S	ciences, Yonsei University.
Spring 2020 – Present	Esoo Yun, B.S. in Earth System Sciences, Yonsei Univer	rsity.
	A CARRIE LIONOURS AND AWARDS	
	ACADEMIC HONOURS AND AWARDS	
2020	Fellow (FRAS)	Royal Astronomical Society
2020 – Present	BK21 Fellowship for Leading Universities & Stude	nts (4x) Republic of Korea
2020	Research fellowship awarded by the Korean Ministry of Educa produce the next generation of world class leaders in their field but later received a raise of W 700,000 per month.	tion & the National Research Foundation of Korea "to ds." Initially provided with a ₩500,000 per month stipend,
2020	Awarded by The University of Texas Jackson School of Geoscie	nces and ConocoPhillips for the best research poster of the
	undergraduate division.	
2019 – Present	Global Leader Fellowship	Yonsei University
	Most prestigious fellowship at Yonsei University, given to only 7 newly admitted graduate students per application period. Covers full entrance and tuition fees, and provides a ₩500,000 per month stipend.	
2019	Fellow (FGS)	Geological Society of London
2019	William S. Flores Sr. Field Scholarship	The University of Texas at Austin
2019	2 nd Annual UGS Scholarship, 1 st Place	Undergraduate Geological Society
	For "embodying the values of the Jackson School of Geoscience as well as connecting with fellow undergraduates and faculty o	rs" and for being "heavily involved in research, seminars, of our department."
2018	1 st Annual UGS Scholarship, 1 st Place	Undergraduate Geological Society
	For "embodying the values of the Jackson School of Geoscience as well as connecting with fellow undergraduates and faculty o	's" and for being "heavily involved in research, seminars, of our department."
2016 & 2017	University Honours (2x)	The University of Texas at Austin
2015	Foresters Competitive Scholarship	Foresters Financial
2015	West Point Bridge Design Competition, Top 50	The U.S. Military Academy at West Point
	National structural engineering competition with several thou. at West Point, and the American Society of Civil Engineers.	sand competitors. Awarded by The U.S. Military Academy
2014	Engineering 12EE Energy Contest, 1 st Place	Texas A&M University
	Led team in designing the most efficient wind turbine which u through proper application of Betz's law.	vas more than twice as efficient as the 2 nd place design
2014	Eagle Scout	Boy Scouts of America, Troop 440

TECHNICAL SKILL SET

Computer Software:

Remote Sensing: Harris Geospatial ENVI, Google Earth Engine.

Geophysical Acquisition/Processing/Interpretation: Fledermaus, Landmark, Teledyne CARIS (HIPS & SIPS), Paradigm, QINSy, EdgeTech Discover, Fugawi, WinRiver II, Okular, Omniviewer.

Lidar: Leica Cyclone.

GIS: Esri ArcGIS (Pro, ArcMap, ArcScene, ArcCatalog, Collector), Blue Marble Geographics Global Mapper.

Engineering CAD: Autodesk (AutoCAD, Inventor), Solidworks, PTC Creo, Google SketchUp (Pro, Studio).

IDE: Spyder, Anaconda, JupyterLab, PyCharm (Professional), RStudio, TeXstudio, Texmaker, Overleaf.

Particle Analysis: GRADISTAT, Femto PSS.

Miscellaneous: MS Access, Schlumberger BlueView, Adobe (Photoshop, Illustrator), Neuralog, Vernier Logger Pro.

Programming Languages:

Python, MATLAB, R, JavaScript, VBA, Wolfram, Mathematica, &TEX.

Operating Systems:

Linux/UNIX.

Other Technical Skills:

- Skilled in machine learning and deep learning of satellite derived data.
- Skilled in mathematics, including vector calculus and differential equations, as well as proof writing for higher dimensional non-Euclidean geometries.
- Skilled in collecting, processing, and interpreting multibeam echosounder (MBES), sidescan sonar, multichannel seismic (MCS), and CHIRP seismic data.
- Skilled in conducting flume experiments of 2D/3D deltas, 2D/3D alluvial fans, 3D meandering rivers, 2D/3D æolian bedforms, and 2D turbidity currents.
- Skilled in numerical modelling and geomorphometric analysis.
- Skilled in analysis of multispectral and hyperspectral data from the Earth, the moon, Mars, and Titan from wavelengths across the electromagnetic spectrum, including VNIR, thermal infrared, ultraviolet, and radar.
- Skilled in deriving topography from Lidar and stereogrammetry, and in use of SAR and InSAR data.
- Skilled in interpretation of remote sensing data, including via spectral mineralogy, environmental metrics such as NDVI/EVI, and spectral mixture analysis.
- Skilled in optical mineralogy and petrographic microscope use.
- Skilled in collecting and performing sedimentological analyses on piston/push/box cores and grab samples.
- Skilled in processing and interpretation of data obtained via wireline logging, including gamma ray, neutron porosity, electrical resistivity, spontaneous potential, and nuclear magnetic resonance (NMR).
- Skilled in various forms of engineering CAD software, 3D modelling software, and 3D printing, as well as machine shop work (mill, lathe, etc.).
- Possesses strong knowledge of palæontology and skilled at identifying fossils.

Non-programming Languages:

English (native), Русский (limited), Deutsch (limited), Français (limited), 한국 (very limited).

PUBLIC OUTREACH, COMMUNITY SERVICE, AND LEADERSHIP

Mar. 2020 – Present Ambassador for Morphodynamics and Quantitative Stratigraphy Laboratory

Serving as an ambassador to the public and the wider scientific community for the Morphodynamics and Quantitative Stratigraphy Research Group. Represented the research group at outreach events in order to recruit new students to the lab.

Ambassador for Marine Geology and Geophysics Field Course
Serving as an ambassador to the public and the media for the UTIG Marine Geology and Geophysics Field Course in order to raise funds to support future expeditions, by shooting videos and publishing media about my experience, and working to educate the public about the importance of the expedition. Helped to raise \$12,308, surpassing the \$10,000 goal.
Geoscience Ambassadors
As an ambassador, worked to develop my story on how I became a geoscientist to share with my home community in order to educate the members of my community on what the geosciences are and get people interested in studying geosciences. OnRamps
Gave presentations to high school students in the OnRamps programme about why they should pursue a university education in STEM and a degree in the geosciences. Session Chair at EU-In-Time-Rise Workshop on Geochronology and Mars Exploration
Chaired session on Martian analogues. GLOW Undergraduate Research Panel
Panellist for the Geoscience Leadership Organization for Women's undergraduate research panel. Spoke to undergraduate students about how to get involved in research, what doing research was like, and how to have good time management in order to properly balance their work life with their personal and school lives. Palæontological Society of Austin's 27th Annual Fossil Fest
Ran the University of Texas' exhibit at the event and educated children and parents about dinosaur evolution into birds and why, phylogenetically, certain organisms are classified as dinosaurs while others are not. Northwest Assistance Ministries
Office in Administration and Development, managed volunteer recruitment and coordination of volunteer activities related to poverty alleviation.
Boy Scouts of America, Troop/Crew 440
Eagle Scout currently giving back to scouting as an Assistant Scoutmaster at Troop 440. Held many leadership positions in both Boy Scouts and Venture Scouts teaching outdoor skills and lead thousands of hours of community service. Achieved rank of Brotherhood in the Order of the Arrow, scouting's honour society. Leadership positions held: Assistant Scoutmaster, Junior Assistant Scoutmaster, Vice President of Programme, Vice President of Administration, Assistant Senior Patrol Leader, Patrol Leader, Assistant Patrol Leader, Quartermaster, Secretary, Scribe, Denner, Assistant Denner.

Relevant Coursework

*postgraduate-level coursework

Geology:

Marine Geology and Geophysics Field Course*, Remote Sensing*, Morphodynamics/Quantitative Stratigraphy (2x)*, Geofluids Dynamics*, Stratodynamics (2x)*, Modelling of Depositional Mechanics*, Geomorphology*, GIS/GPS*, Biogeochemisty*, Environmental Geology*, Structural Geology*, Field/Stratigraphic Methods, Sedimentary Geology (2x), Igneous/Metamorphic Petrology (2x), Palæontology (2x)*, Research Design/Data Analysis (3x)*, Ethics in Geosciences.

Mathematics:

Structure of Modern Geometry* (Proof writing for higher dimensional non-Euclidean geometries), Vector Calculus*, Ordinary and Partial Differential Equations with Linear Algebra*, Differential Calculus, Integral Calculus, Multivariable Calculus.

Engineering/Physics:

Hydraulics/Open Channel Flow*, Engineering/Energy and the Environment, Petroleum Engineering, Geosystems Engineering MATLAB, Mechanical Engineering, Engineering Mechanics, Engineering Physics I (Mechanics, Heat, Wave Phenomena) & Engineering Physics II (Electricity and Magnetism, Optics, Atomic Phenomena) with laboratories.

Biochemistry/Chemistry:

Astrobiology*, Chemistry I & II with laboratories.

PROFESSIONAL AFFILIATIONS AND STUDENT ORGANISATIONS

Jun. 2021 – Present The Korean Society of Economic and Environmental Geology (KSEEG)

European Astronomical Society (EAS) Feb. 2021 – Present

Oct. 2021 – Present	Royal Astronomical Society (RAS)
	Fellow (FRAS)
Sep. 2019 – Feb. 2020	The University of Texas Mathematics Club
Sep. 2019 – Feb. 2020	Geoscience Ambassadors
	Ambassador
Aug. 2019 – Present	Quantitative Sedimentology Research Group
Aug. 2019 – Present	The University of Texas Department of Geological Sciences Research Group GOM/Chicxulub Research Group
	The University of Texas Institute for Geophysics Research Group
Feb. 2018 – Feb. 2020	Society of Petrophysicists and Well Log Analysts UT Student Chapter
Nov. 2019 – Present	American Geophysical Union (AGU)
Aug. 2018 – Feb. 2020	Texas Geophysical Society (TGS)
Aug. 2018 – Feb. 2020	American Association of Petroleum Geologists (AAPG) UT Student Chapter
Aug. 2018 – Feb. 2020	Geoscience Leadership Organization for Women (GLOW)
Jun. 2018 – Present	The University of Texas Centre for Planetary Systems Habitability (CPSH)
	Interdisciplinary effort to establish a Centre for Planetary Systems Habitability
Oct. 2017 – Present	Morphodynamics and Quantitative Stratigraphy Research Group
	The University of Texas and Yonsei University Research Group
Oct. 2017 – Present	Geological Society of London
	Fellow (FGS)
Jun. 2017 – Feb. 2020	Undergraduate Geological Society (UGS)
Jan. 2017 – Present	RioMAR Consortium
	Research consortium between the Colorado School of Mines, The University of Texas, and Yonsei University
Jan. 2017 – Present	Steel Research Group (Dynamic Stratigraphy Workgroup)
	The University of Texas Department of Geological Sciences Research Group
Jan. 2016 – Jan. 2017	Texas State Parks Club
Aug. 2015 – Jun. 2017	American Association of Drilling Engineers (AADE) UT Student Chapter
Aug. 2015 – Jun. 2017	Society of Petroleum Engineers (SPE) UT Student Chapter
Aug. 2015 – Jun. 2017	The University of Texas Polo Team
	Club team member

HOBBIES AND INTERESTS

Teaching, research, fieldwork, scouting, backpacking, polo, piano, flying, sailing, oil painting, opera.

References

Dr. Wonsuck Kim, Associate Professor Yonsei Dept. Earth System Sciences Email: delta@yonsei.ac.kr

Dr. Anastasia Piliouras, Scientist Los Alamos National Laboratory, EES-14 Email: apiliouras@lanl.gov

Dr. Cornel Olariu, Research Scientist, Lecturer UT Austin Dept. Geological Sciences Email: cornelo@jsg.utexas.edu

Dr. John Goff, Senior Research Scientist UT Institute for Geophysics Email: goff@utig.ig.utexas.edu

Dr. Chenliang Wu, Postdoctoral Researcher Yonsei Dept. Earth System Sciences Email: wuchenliang1@gmail.com **Dr. David Mohrig**, Associate Dean for Research UT Austin Dept. Geological Sciences Email: mohrig@jsg.utexas.edu

Dr. Mark Helper, Distinguished Sr. Lecturer UT Austin Dept. Geological Sciences Email: helper@jsg.utexas.edu

Dr. Timothy Goudge, Assistant Professor UT Austin Dept. Geological Sciences Email: tgoudge@jsg.utexas.edu

Dr. Sean Gulick, Research Professor UT Institute for Geophysics Email: sean@ig.utexas.edu