CV (https://zanejobe.github.io/cv/)

Download full CV (PDF)

One-Page Overview

Zane R. Jobe, Ph.D.

With over 20 years of experience in clastic sedimentology, particularly in deep-water depositional systems, I bring a proven track record of integrating static and dynamic subsurface data with outcrop and modern-seafloor data to characterize and predict reservoir architecture and quality. I have led more than 40 field trips for industry and academia, showcasing my ability to translate complex sedimentological concepts into practical insights. My publication record reflects broad recognition in the field at the subject-matter expert (SME) level. I currently manage large-scale, multidisciplinary research projects that deliver applied, business-relevant outcomes to both academic and industry partners.

Professional Preparation

- University of Texas at Arlington, B.S., Geology, 2004
- Stanford University, Ph.D., Geology, 2010

Appointments

- Associate Research Professor in Sedimentary Geology, Colorado School of Mines, 2016-present
- Research Geologist, Shell Oil Company Clastics Research Team, 2010-2016

Research: funding and products

- $6,482,458 total fundraising since 2016 at Colorado School of Mines
- Director of the Geology Center of Research Excellence, 2016-present, core.mines.edu (https://core.mines.edu)
- Published 60 peer-reviewed journal articles and >100 conference abstracts
- h-index 26 and i10-index 38 (metrics from Google Scholar)

Leadership and mentoring

- Currently leading a group of 9 FTEs
- Advising 7 MSc and PhD students in outcrop-based research projects (TX, NM, CA)
- Managing two staff members (program manager, research scientist)
- Since 2016 at Mines: advised through graduation 13 MS and 4 PhD students, mentored 3 postdocs and research scientists, and provided research opportunities to 28 undergraduates

Teaching and outreach

- Since 2016 at Mines: led 15 outcrop-based field trips for industry to Texas, California, Chile, Ireland
- Founder and Director, Earth Resource Data Science online graduate certificate (https://online.mines.edu/er)
- Teach two graduate-level, asynchronous, online python data-analysis courses (GEOL 557 and GEOL 558)
- Since 2016 at Mines: taught 12 online and classroom-based graduate-level courses (550 total student credit hours)

Selected leadership roles and research papers (* student, ** postdoc)

- 2025 Invited Keynote speaker, “Digital Geoscience” conference, Geological Society of London
- 2019-2021 SEPM Sedimentology Councilor (elected position)
- 2017 Keynote speaker, “Deep-water Depositional Systems: Advances and Applications” (Geological Society of London)
- Jobe, Z.R., *Seckinger, S., *Martin, T., *Kus, K., *Pettinga, L., 2024, Lateral heterogeneity of basin-plain turbidites of the Cloridorme Formation, Quebec, Canada: Implications for horizontal well prediction. The Depositional Record, vol. 11, no. 1, p. 22-43, https://doi.org/10.1002/dep2.278
- *Putri, S.H., Jobe, Z.R., Melick, J., Wood, L.J., French, M., 2025, Depositional-process controls on chemofacies in mixed-lithology submarine lobe deposits: A high-resolution core study from the Permian Wolfcamp XY Formation, Delaware Basin, Texas. Journal of Sedimentary Research, 95 (1): 63–85, https://doi.org/10.2110/jsr.2024.015
- *Simabrata, H., Jobe, Z.R., **Hou, P., Wood, L.J., *Kus, K.B., Hurd, G., 2025, Grain-fabric alignments in a mixed carbonate-siliciclastic mass-transport complex: The Cutoff Formation, Permian Basin, Texas. Sedimentology, 72 (4), 1065-1101, https://doi.org/10.1111/sed.13270
- *Simabrata, H., Jobe, Z.R., Wood, L.J., *Cardona, S., **Hou, P., 2025, Characterization, prediction and implications of compartments in a mixed carbonate-siliciclastic mass-transport complex: The Cutoff Formation, Permian Basin, Texas. Sedimentology, 72 (4), 1102-1131, https://doi.org/10.1111/sed.13269

Contact information

- LinkedIn profile (https://www.linkedin.com/in/zane-jobe-4b732168)
- Google Scholar profile (https://scholar.google.com/citations?user=58dKXjAAAAAJ&hl=en&oi=ao)
- GitHub (https://github.com/ZaneJobe)
- Blog (https://offtheshelfedge.wordpress.com)
- ORCID (https://orcid.org/0000-0002-7654-4528)

==========

Full Curriculum Vitae

Areas of Expertise

- Sedimentology and stratigraphy
- Petroleum-reservoir and energy-resource characterization
- Seismic interpretation (2D and 3D)
- Field-based research
- Outcrop and core description
- Python and Matlab programming languages
- Geomorphology
- Geochronology (U-Pb and radiocarbon)
- Technical presentations and peer-reviewed publications

Education

2010 Ph.D. in Geology, Stanford University
Thesis: “Multi-Scale Architectural Evolution and Flow Property Characterization of Channelized Turbidite Systems”
Primary Advisor: Donald R. Lowe (drlowe@stanford.edu)
Secondary Advisor: Stephan A. Graham (sagraham@stanford.edu)

2004 Honors B.S. in Geology, Summa Cum Laude, University of Texas at Arlington
Thesis: “Stratigraphy of the upper Bell Canyon Formation (Guadalupian Stage, Permian System), Seven Heart Gap, Apache Mountains, Trans-Pecos Texas”
Supervisor: Merlynd Nestell (nestell@uta.edu)

Work and Research Experience

May 2016–present
Colorado School of Mines, Golden, CO
Department of Geology and Geological Engineering
Associate Research Professor Director of CoRE (Geology Center of Research Excellence) (2016-present) Director of the Earth Resource Data Science gradaute certificate program (2021-present) Director of PTTC Rockies (2025-present)

June 2010–May 2016
Shell Oil Company, Houston, TX
Research Sedimentologist, Reservoir Geology Research Team

Supervisor: Ru Smith (ru.smith@shell.com)

September 2005–May 2010
Stanford University, Palo Alto, CA
PhD Candidate and Graduate Research Assistant
Primary Advisor: Donald R. Lowe (drlowe@stanford.edu)
Secondary Advisor: Stephan A. Graham (sagraham@stanford.edu)

June 2008–September 2008
ExxonMobil, Houston, TX
Geoscience Intern, Upstream Research Company
Supervisor: Kirt Campion

June 2007–September 2007
ConocoPhillips, Houston, TX
Geoscience Intern, Sedimentary Systems
Supervisor: Bill Morris

June 2006–September 2006
Hess Corporation, Houston, TX
Geoscience Intern, West Africa Business Unit
Supervisor: Steve Uchytil

September 2004–August 2005
Pioneer Natural Resources Company, Las Colinas, TX
Geologist, International Exploration
Supervisor: Rob Hull

May 2004–December 2004
University of Texas at Arlington
Surficial Floodplain Mapper
Supervisor: John Holbrook (john.holbrook@tcu.edu)

May 2003–May 2004
University of Texas at Arlington
Honors Student Researcher
Supervisor: Merlynd Nestell (nestell@uta.edu)

Funding and Grants

Major grants total submitted: $16,576,821
Major grants total received: $6,343,333

Years	Source	Project	Submitted	Received	Status
2026–2027	Chevron	Carbonate Slope Deposit Mechanical Stratigraphy extension	$630,347	$156,833	awarded
2026–2028	AAPG	Digital-Outcrop Geology, Delaware Basin	$100,000	$0	not funded
2022–2023	Nazarbayev University	Developing research center documents	$17,500	$17,500	awarded
2021–2025	Chevron	Carbonate Slope Deposit Mechanical Stratigraphy	$3,156,000	$3,156,000	awarded
2021–2026	ACS Petroleum Research Fund	Carbonate sediment-gravity-flow experiments	$110,000	$110,000	awarded
2021–2026	Colorado School of Mines	Carbonate sediment-gravity-flow experiments (TA-ship)	$180,000	$180,000	awarded
2021	Berry Corp	Sidewall-core image analysis with Luis Zerpa	$98,000	$0	not funded
2020	DOE	Reservoir and Seal Efficacy Risking (RASER) for Offshore Carbon Storage	$6,500,000	$0	not funded
2020	Mines IILA	Hazards of River Migration for Artisanal Mines	$780,000	$0	not funded
2020	Colorado School of Mines	Development of online Earth Resource Data Science graduate certificate	$15,000	$15,000	awarded
2019–2022	Chevron	Center of Research Excellence	$3,020,000	$900,000	awarded
2019	Earth Science Information Partners (ESIP)	Subaqueous landslide database and website	$8,000	$8,000	awarded
2019	International Ocean Discovery Program	Late Cenozoic Drought Variability of the Sahara/Sahel and the Impacts on Oceanic Sediment/Nutrient Flux	$0 (pre-proposal)	$0	not selected
2019	ConocoPhillips	Reservoir quality in the Brookian sediment routing system	$104,005	$0	not funded
2018	DOE Watershed SFA Mini Grant	Variations in bedrock lithology play a dominant role in cycling of solutes in watersheds	$57,969	$0	not funded
2016–2019	Chevron	Center of Research Excellence	$1,800,000	$1,800,000	awarded

Student and Small Grants

Student and small grants total: $139,125

Category	Year	Recipient	Amount	Source
student-led	2026	Jutamas Charoensuk	$1,200	Tobacco Root Geological Society
student-led	2026	Jutamas Charoensuk	$6,000	RMAG
student-led	2026	Jutamas Charoensuk	$1,000	Bartshe Fund at Mines
student-led	2025	David Nworie	$10,000	RMAG SM Scholar
student-led	2025	Rachel Williams	$7,500	RMAG
student-led	2025	Rachel Williams	$2,500	GSA Laubach
student-led	2025	Marat Ibagarov	$3,000	Kent Fund at Mines
student-led	2025	Marat Ibagarov	$3,000	WTGS
student-led	2025	Marat Ibagarov	$950	SEPM
student-led	2024	Luthfi Saifudin	$2,000	Bartshe Fund at Mines
student-led	2024	Sanzhar Begimbetov	$1,000	Bartshe Fund at Mines
student-led	2024	Sanzhar Begimbetov	$2,000	Haun Fund at Mines
student-led	2024	Maxi Miguez	$1,000	Bartshe Fund at Mines
student-led	2024	Maxi Miguez	$2,000	AAPG-GIA
student-led	2024	Maxi Miguez	$2,000	Kent Fund at Mines
student-led	2024	Rachel Williams	$5,000	RMAG
student-led	2024	Rachel Williams	$2,500	SEPM ISGC
student-led	2024	David Nworie	$3,000	AAPG-GIA
student-led	2024	Viska Dewi	$3,000	AAPG-GIA
student-led	2023	David Nworie	$2,500	AAPG-GIA
student-led	2023	Maxi Miguez	$500	Colorado Scientific Society
student-led	2023	Luthfi Saifudin	$300	IAS
student-led	2023	Luthfi Saifudin	$900	SEPM
student-led	2022	David Nworie	$4,000	RMAG
student-led	2022	Maxi Miguez	$2,500	RMAG
student-led	2022	Maxi Miguez	$2,500	Haun Fund at Mines
student-led	2022	Maxi Miguez	$2,500	Daniels Fund at Mines
student-led	2022	Leonela Aguada	$2,500	Kent Fund at Mines

Category	Year	Recipient	Amount	Source
student-led	2022	Luthfi Saifudin	$1,000	Bartshe Fund at Mines
student-led	2022	Shaskia Putri	$1,900	Bartshe Fund at Mines
student-led	2021	Nataly Chacón Buitrago	$1,000	Bartshe Fund at Mines
student-led	2021	Nataly Chacón Buitrago	$2,000	Kent Fund at Mines
student-led	2021	Nataly Chacón Buitrago	$300	AAPG-GIA
student-led	2021	Nataly Chacón Buitrago	$400	SEPM
student-led	2021	Mitch Schneider	$2,500	Haun/Billingsley Fund at Mines
student-led	2021	Mitch Schneider	$2,000	Bartshe Fund at Mines
student-led	2020	Hanaga Simabrata	$3,500	RMAG
student-led	2020	Hanaga Simabrata	$3,000	AAPG-GIA
student-led	2020	Hanaga Simabrata	$1,200	Bartshe Fund at Mines
student-led	2019	Thomas Martin	$1,000	Bartshe Fund at Mines
student-led	2018	Luke Pettinga	$3,000	Bartshe Fund at Mines
student-led	2018	Kaci Kus	$1,400	Bartshe Fund at Mines
student-led	2017	Wylie Walker	$5,000	WTGS
student-led	2017	Wylie Walker	$1,000	AAPG-GIA
student-led	2017	Pengfei Hou	$1,000	AAPG-GIA
student-led	2016	Rosie Fryer	$2,500	AAPG-GIA
student-led	2016	Rosie Fryer	$1,775	GSA
small-grants	2025	Sera Reyes	$3,500	Geology Dept Undergrad Summer Research Program
small-grants	2020	Kayla Brady	$3,200	Geology Dept Undergrad Summer Research Program
small-grants	2019	Jared Tadla	$3,200	Geology Dept Undergrad Summer Research Program
small-grants	2018	Andrew Harger	$3,200	Geology Dept Undergrad Summer Research Program
small-grants	2017	Dingxin Cai	$3,200	Geology Dept Undergrad Summer Research Program
small-grants	2020	Michael Field	$1,500	Mines Undergraduate Research Fellowship
small-grants	2018	Carissa Anderson	$1,500	Mines Undergraduate Research Fellowship
small-grants	2017	Ali Downard	$1,500	Mines Undergraduate Research Fellowship
small-grants	2016	Dingxin Cai	$1,500	Mines Undergraduate Research Fellowship

Category	Year	Recipient	Amount	Source
small-grants	2008	Zane Jobe	$2,500	AAPG-GIA
small-grants	2007	Zane Jobe	$2,000	AAPG-GIA Lawrence W. Funkhouser Named Grant

Peer-Reviewed Publications

In the Pipeline

- Marat Ibagarov - Fractures in the Rader, GSA Bulletin
- Rachel Williams - Fractures in the Pinery, GSA Bulletin
- Zaid Nadhim - Doña Ana in Alamo, Sedimentologika
- David Nworie - Muddy experiments paper, Sedimentologika

Published

2026

68. Slootman, A., de Kruijf, M., Glatz, G., Eggenhuisen, J.T., Jobe, Z.R., Reijmer, J.J.G., 2026, Settling velocity of sediment grains, Part 2: Volume/area ratio as descriptor of particle size and shape in sediment hydrodynamics. Sedimentologika, 26 p., https://doi.org/10.57035/journals/sdk.2026.e41.2307 (https://doi.org/10.57035/journals/sdk.2026.e41.2307) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2026-Slootman-et-al-Sedimentologika-Grain-size-and-shape-part-2.pdf)

67. Slootman, A., de Kruijf, M., Glatz, G., Eggenhuisen, J.T., Jobe, Z.R., Reijmer, J.J.G., 2026, Settling velocity of sediment grains, Part 1: Natural sediment particles are not ellipsoids. Sedimentologika, 21 p., https://doi.org/10.57035/journals/sdk.2026.e41.1937 (https://doi.org/10.57035/journals/sdk.2026.e41.1937) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2026-Slootman-et-al-Sedimentologika-Grain-size-and-shape-part-1.pdf)

66. Saifudin, L., Jobe, Z.R., Slootman, A., Carr, M., Plink-Bjorklund, P., 2026, Supercritical-flow structures in a Cretaceous submarine channel-lobe transition zone, Point Loma Formation, California. The Depositional Record, DOI pending verification (previously listed as https://doi.org/10.1002/dep2.70070 (https://doi.org/10.1002/dep2.70070)).

2025

65. Nworie, C.D. and Jobe, Z.R., 2025, Size and shape of carbonate grains: A comparison of measurement techniques. Sedimentologika, https://doi.org/10.57035/journals/sdk.2025.e31.1742 (https://doi.org/10.57035/journals/sdk.2025.e31.1742) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2025-Nworie-and-Jobe-Sedimentologika-Grain-size-and-shape.pdf)

64. Musso, M.S., Slootman, A., Wood, L.J., Jobe, Z.R., 2025, Stalked crinoids: from skeleton to sediment, Journal of Sedimentary Research, https://doi.org/10.2110/jsr.2025.099 (https://doi.org/10.2110/jsr.2025.099) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2025-Musso-et-al-JSR-Crinoid-grain-size.pdf)

63. Simabrata, H., Jobe, Z.R., Hou, P., Wood, L.J., Kus, K.B., Hurd, G., 2025, Grain-fabric alignments in a mixed carbonate–siliciclastic mass-transport complex: The Cutoff Formation, Permian Basin, Texas. Sedimentology, 72 (4), 1065-1101, https://doi.org/10.1111/sed.13270 (https://doi.org/10.1111/sed.13270) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2025-Simabrata-et-al-Sed-Cutoff-MTC-spicule-alignment.pdf)

62. Simabrata, H., Jobe, Z.R., Wood, L.J., Cardona, S., Hou, P., 2025, Characterization, prediction and implications of compartments in a mixed carbonate–siliciclastic mass-transport complex: The Cutoff Formation, Permian Basin, Texas. Sedimentology, 72 (4), 1102-1131, https://doi.org/10.1111/sed.13269 (https://doi.org/10.1111/sed.13269) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2025-Simabrata-et-al-Sed-Cutoff-MTC-Compartments.pdf)

61. Putri, S.H., Jobe, Z.R., Melick, J., Wood, L.J., French, M., 2025, Depositional-process controls on chemofacies in mixed-lithology submarine lobe deposits: A high-resolution core study from the Permian Wolfcamp XY Formation, Delaware Basin, Texas. Journal of Sedimentary Research, 95 (1): 63–85, https://doi.org/10.2110/jsr.2024.015 (https://doi.org/10.2110/jsr.2024.015) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2025-Putri-et-al-JSR-Wolfcamp-XY-chemofacies.pdf)

2024

60. Jobe, Z. R., Hubbard, S. M., & Romans, B. W. (2024). How many turbidity currents pass through a submarine channel during its lifespan?. Journal of Sedimentary Research, 94(6), 737-749, https://doi.org/10.2110/jsr.2024.050 (https://doi.org/10.2110/jsr.2024.050) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2024-Jobe-et-al-JSR-How-many-turbidity-currents-pass-through-a-channel.pdf)

59. Jobe, Z.R., Seckinger, S., Martin, T., Kus, K., Pettinga, L., Lateral heterogeneity of basin-plain turbidites of the Cloridorme Formation, Quebec, Canada: Implications for horizontal well prediction. The Depositional Record, vol. 11, no. 1, p. 22-43, https://doi.org/10.1002/dep2.278 (https://doi.org/10.1002/dep2.278) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2024-Jobe-et-al-TDR-Basin-plain-deposits-Cloridorme.pdf)

2023

58. Putri, S.H., Jobe, Z.R., Wood, L., Melick, J., French, M., and Pfaff, K., High-Resolution Core Study Relating Chemofacies to Reservoir Quality: Examples from the Permian Wolfcamp XY Formation, Delaware Basin, Texas. URTEC-3871113-MS, https://doi.org/10.15530/urtec-2023-3871113 (https://doi.org/10.15530/urtec-2023-3871113) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2023-Putri-et-al-URTEC-Wolfcamp-XY-chemofacies.pdf)

57. Cardenas, B. T., Lamb, M. P., Jobe, Z.R., Mohrig, D., & Swartz, J. M., 2023, Morphodynamic Preservation of Fluvial Channel Belts. The Sedimentary Record, 21(1), https://doi.org/10.2110/001c.66285 (https://doi.org/10.2110/001c.66285) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2023-Cardenas-et-al-TSR-Fluvial-channel-belt-preservation.pdf)

56. Gilbert, J. C., & Jobe, Z. R., 2023, Submarine-Channel Element Architecture Demonstrates Facies Heterogeneity in Both Strike and Dip Views: Miocene Modelo Formation, Lake Piru, California, USA. The Sedimentary Record, 21(1). https://doi.org/10.2110/001c.84246 (https://doi.org/10.2110/001c.84246) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2023-Gilbert-and-Jobe-TSR-Modelo-submarine-channel.pdf)

55. Bishop, J., Bachtel, S., Thompson, J., Miller, C., Ryan, B., Sullivan, M., Jobe, Z.R., 2023, Carbonate submarine fan deposits of the Mississippian Lake Valley Formation, Sacramento Mountains, New Mexico. The Depositional Record, 00, 1–36, https://doi.org/10.1002/dep2.246 (https://doi.org/10.1002/dep2.246) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2023-Bishop-et-al-TDR-Tierra-Blanca.pdf)

54. Gross, E., Carr, M., Jobe, Z.R., 2023, Three-dimensional bounding surface architecture and lateral facies heterogeneity of a wet aeolian system: Entrada Sandstone, Utah. Sedimentology v. 70, p. 145-178, https://doi.org/10.1111/sed.13035 (https://doi.org/10.1111/sed.13035) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2023-Gross-et-al-Sed-Entrada-wet-eolian-lateral-heterogeneity.pdf)

2022

53. Naranjo-Vesga, J., Paniagua-Arroyave, J.F., Ortiz-Karpf, A., Jobe, Z.R., Wood, L., Galindo, P., Shumaker, L., and Mateus-Tarazona, D., 2022, Controls on submarine canyon morphology along a convergent tectonic margin. The Southern Caribbean of Colombia: Marine and Petroleum Geology, v. 137, https://doi.org/10.1016/j.marpetgeo.2021.105493 (https://doi.org/10.1016/j.marpetgeo.2021.105493) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2022-Naranjo-Vesga-et-al-MPG-Submarine-canyon-evolution-3D-seismic-Colombia.pdf)

52. Martin, T., Tadla, J., Jobe, Z.R., 2022, Digitalization of Legacy Datasets and Machine Learning Regression Yields Insights for Reservoir Property Prediction and Submarine-Fan Evolution: A Subsurface Example From the Lewis Shale, Wyoming. The Sedimentary Record, v. 20, https://doi.org/10.2110/001c.36638 (https://doi.org/10.2110/001c.36638) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2022-Martin-et-al-TSR-Lewis-core-machine-learning-regression.pdf)

51. Kus, K.B., Jobe, Z.R., Laugier, F., Walker, W., Sullivan, M., 2022, Quantifying the lateral heterogeneity of distal submarine lobe deposits, Point Loma Formation, California: Implications for subsurface lateral facies prediction. The Depositional Record v. 8, p. 472-501, https://doi.org/10.1002/dep2.169 (https://doi.org/10.1002/dep2.169) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2022-Kus-et-al-TDR-Submarine-lobe-deposits-Point-Loma-California.pdf)

50. Hou, P., Jobe, Z.R., Wood, L., 2022, Statistical characterization of a confined submarine fan system: The Pennsylvanian Lower Atoka Formation, Ouachita Mountains, USA. Sedimentology v. 69, p. 775-797, https://doi.org/10.1111/sed.12925 (https://doi.org/10.1111/sed.12925) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2021-Hou-et-al-Sed-Atoka-statistics.pdf)

2021

49. Jobe, Z.R., Howes, N., Martin, J., Meyer, R., Coutts, D., and Hou, P., Stright, L., and Laugier, F., 2021, Sedimentary graphic logs: A template for description and a toolkit for digitalization. The Sedimentary Record, v. 19, https://doi.org/10.2110/sedred.2021.3.3 (https://doi.org/10.2110/sedred.2021.3.3) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2021-Jobe-et-al-TSR-Graphic-logs.pdf)

48. Fryer, R.C., Jobe, Z.R., Laugier, F., Pettinga, L.A., Gilbert, J.C., Shumaker, L.E., Smith, J.E., and Sullivan, M., 2021, Submarine lobe deposits of the Point Loma Formation, California: Quantifying event-bed architecture and lateral heterogeneity: The Depositional Record, v. 7, p. 374–391, https://doi.org/10.1002/dep2.156 (https://doi.org/10.1002/dep2.156) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2021-Fryer-et-al-TDR-Point-Loma-Cabrillo.pdf)

47. Hou, P., Wood, L.J., and Jobe, Z.R., 2021, Tectonic-sedimentary interplay of a confined deepwater system in a foreland basin setting: The Pennsylvanian lower Atoka Formation, Ouachita Mountains, U.S.A.: Journal of Sedimentary Research, v. 91, p. 683–709, https://doi.org/10.2110/jsr.2020.064 (https://doi.org/10.2110/jsr.2020.064) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2021-Hou-et-al-JSR-Atoka.pdf)

46. Walker, W., Jobe, Z.R., Sarg, J.F., and Wood, L., 2021, Progradational slope architecture and sediment distribution in outcrops of the mixed carbonate-siliciclastic Bone Spring Formation, Permian Basin, west Texas: Geosphere, v. 17, p. 1268–1293, https://doi.org/10.1130/GES02355.1 (https://doi.org/10.1130/GES02355.1) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2021-Walker-et-al-Geosphere-Bone-Spring-mixed-slope-system-dynamics.pdf)

45. Martin, T., Meyer, R., and Jobe, Z.R, 2021, Centimeter-Scale Lithology and Facies Prediction in Cored Wells Using Machine Learning: Frontiers in Earth Science, v. 9, p. 1–18, https://doi.org/10.3389/feart.2021.659611 (https://doi.org/10.3389/feart.2021.659611) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2021-Martin-et-al-Frontiers-Core-photo-ML.pdf)

44. Nauton-Fourteu, M., Tyrrell, S., Chew, D.M., Drakou, F., Pfaff, K., and Jobe, Z.R., 2021, Deep- versus shallow-marine sandstone provenance in the mid-Carboniferous Clare Basin, western Ireland: Journal of the Geological Society, v. 178, p. jgs2020-216, https://doi.org/10.1144/jgs2020-216 (https://doi.org/10.1144/jgs2020-216) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2021-Nauton-et-al-GSL-Ireland.pdf)

43. Gilbert, J.C., Jobe, Z.R., Johnstone, S.A., Sharman, G.R., 2021, Identifying elusive piercing points along the North American transform margin using mixture modeling of detrital zircon data from sedimentary units and their crystalline sources. The Sedimentary Record, v. 19, no. 2, p. 12-21, https://doi.org/10.2110/sedred.2021.2.3 (https://doi.org/10.2110/sedred.2021.2.3) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2021-Gilbert-et-al-TSR-DZ-and-TIMA-mixture-models-Ventura-Basin.pdf)

42. Englert, R.G., Hubbard, S.M., Cartigny, M.J., Clare, M.A., Coutts, D.S., Hage, S., Hughes Clarke, J., Jobe, Z.R., Lintern, D.G., Stacey, C. and Vendettuoli, D., 2021. Quantifying the three-dimensional stratigraphic expression of cyclic steps by integrating seafloor and deep-water outcrop observations.

Sedimentology, https://doi.org/10.1111/sed.12772 (https://doi.org/10.1111/sed.12772) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2020-Englert-et-al-Sed-Cyclic-steps-Nanaimo-Monterey-Squamish.pdf)

2020

41. Pettinga, L.A. and Jobe, Z.R., 2020, How submarine channels (re)shape continental margins. Journal of Sedimentary Research, https://doi.org/10.2110/jsr.2020.72 (https://doi.org/10.2110/jsr.2020.72) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2020-Pettinga-and-Jobe-JSR-How-Submarine-Channels-Re-Shape-Continental-MArgins.pdf)

40. Naranjo-Vesga, J., Ortiz-Karpf, A., Wood, L., Jobe, Z.R., Paniagua-Arroyave, J.F., Shumaker, L., Mateus-Tarazona, D., and Galindo, P., 2020, Regional controls in the distribution and morphometry of deep-water gravitational deposits along a convergent tectonic margin. Southern caribbean of Colombia: Marine and Petroleum Geology, v. 121, https://doi.org/10.1016/j.marpetgeo.2020.104639 (https://doi.org/10.1016/j.marpetgeo.2020.104639) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2020-Naranjo-Vesga-et-al-MPG-Basin-evolution-3D-seismic-Colombia.pdf)

39. Hubbard, S.M., Jobe, Z.R., Romans, B.W., Covault, J.A., Sylvester, Z., and Fildani, A., 2020, The stratigraphic evolution of a submarine channel: Linking seafloor dynamics to depositional products: Journal of Sedimentary Research, v. 90, https://doi.org/10.2110/jsr.2020.36 (https://doi.org/10.2110/jsr.2020.36) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2020-Hubbard-et-al-JSR-Minus2-Channel.pdf)

38. Meyer, R., Martin, T., Jobe, Z.R., 2020, Corebreakout: Subsurface core images to depth-registered datasets, Journal of Open-Source Software, https://doi.org/10.21105/joss.01969 (https://doi.org/10.21105/joss.01969) and https://github.com/rgmyr/corebreakout PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2020-Meyer-et-al-JOSS-CoreBreakout.pdf)

37. Jobe, Z.R., Howes, N.C., Cai, D., Deng, H., Laugier, F., Shumaker, L.E., 2020, Comparing Aggradation, Superelevation, and Avulsion Frequency of Submarine and Fluvial Channels. Frontiers in Earth Science https://doi.org/10.3389/feart.2020.00053 (https://doi.org/10.3389/feart.2020.00053) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2020-Jobe-et-al-Frontiers-Superelevation.pdf)

36. Cardona, S., Wood, L.J., Dugan, B., Jobe, Z.R., Strachan, L.J., 2020, Characterization of the Rapanui mass-transport deposit and the basal shear zone: Mount Messenger Formation, Taranaki Basin, New Zealand. Sedimentology, https://doi.org/10.1111/sed.12697 (https://doi.org/10.1111/sed.12697) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2020-Cardona-et-al-Sed-Rapanui-MTD-basal-shear-zone.pdf)

2019

35. Thompson Jobe, J.A., Giles, K.A., Hearon, T.E., IV, Rowan, M.G., Trudgill, B., Gannaway Dalton, C.E., and Jobe, Z.R., 2019, Controls on the structural and stratigraphic evolution of the megaflap-bearing Sinbad Valley salt wall, NE Paradox Basin, SW Colorado: Geosphere, v. 16, no. X, p. 1–32, https://doi.org/10.1130/GES02089.1 (https://doi.org/10.1130/GES02089.1) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2020-Thompson-Jobe-et-al.-GeoSphere-Sinbad-megaflap.pdf)

34. Daniels, B.G., Hubbard, S.M., Romans, B.W., Malkowski, M.A., Matthews, W.A., Bernhardt, A., Kaempfe, S.A., Jobe, Z.R., Fosdick, J.C., Schwartz, T.M. and Fildani, A., 2019. Revised chronostratigraphic framework for the Cretaceous Magallanes-Austral Basin, Última Esperanza Province, Chile. Journal of South American Earth Sciences, v. 94, https://doi.org/10.1016/j.jsames.2019.05.025 (https://doi.org/10.1016/j.jsames.2019.05.025) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2019-Daniels-et-al-SAES-Magallanes-Basin-Chronostratigraphy.pdf)

33. Fryer, R. and Jobe, Z.R., 2019, Quantification of the Bed-scale Architecture of Submarine Depositional Environments. The Depositional Record, v. 5 p. 192-211, https://doi.org/10.1002/dep2.70 (https://doi.org/10.1002/dep2.70) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2019-Fryer-and-Jobe-TDR-Bed-scale-Architecture.pdf)

32. Clare, M., Chaytor, J., Dabson, O., Gamboa, D., Georgiopoulou, A., Eady, H., Hunt, J. Jackson, C., Katz, O., Krastel, S., León, R., Micallef, R., Moernaut, J., Moriconi, R., Moscardelli, L., Mueller, C., Normandeau, A., Patacci, M., Steventon, M., Urlaub, M., Völker, D., Wood, L., and Jobe, Z.R., 2019, A consistent global approach for the morphometric characterization of subaqueous landslides. Geological Society, London, Special Publications, 477, SP477.15. https://doi.org/10.1144/SP477.15 (https://doi.org/10.1144/SP477.15) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2018-Clare-et-al-GSL-Submarine-Landslides.pdf)

2018

31. Pettinga, L.A., Jobe, Z.R., Shumaker, L.E., and Howes, N.C., 2018, Morphometric scaling relationships in submarine channel–lobe systems. Geology, https://doi.org/10.1130/G45142.1 (https://doi.org/10.1130/G45142.1) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2018-Pettinga-et-al-Geology-Channel-lobe-scaling.pdf)

30. Shumaker, L.E., Jobe, Z.R., Johnstone, S.A., Pettinga, L.A., Cai, D.X., and Moody, J.D., 2018, Controls on submarine channel-modifying processes identified through morphometric scaling relationships. Geosphere, v. 14, no. 5, p. 1–17, https://doi.org/10.1130/GES01674.1 (https://doi.org/10.1130/GES01674.1) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2018-Shumaker-et-al-GeoSphere-Submarine-Channel-Scaling.pdf)

29. Jobe, Z.R., Howes, N.C., Romans, B.R., Covault, J.A., 2018, Volumes and recurrence of submarine fan-building turbidity currents. The Depositional Record, v. 4, p. 160-176, https://doi.org/10.1002/dep2.42 (https://doi.org/10.1002/dep2.42) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2018-Jobe-et-al-TDR-Volume-and-Frequency-of-Turbidity-Currents.pdf)

28. Malkowski, M.A., Jobe, Z.R., Sharman, G.R., Graham, S.A., 2018, Down-slope facies variability within deep-water channel systems: Insights from the Upper Cretaceous Cerro Toro Formation, southern Patagonia. Sedimentology, https://doi.org/10.1111/sed.12452 (https://doi.org/10.1111/sed.12452) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2018-Malkowski-et-al-Sed-Cerro-Toro-Bed-Thickness.pdf)

2017

27. Jobe, Z.R., Sylvester, Z., Bolla Pittaluga, M., Frascati, A., Pirmez, P., Minisini, D., Howes, N.C., Cantelli, A., 2017, Facies Architecture of Submarine Channel Deposits on the Western Niger Delta Slope: Implications for Grain-size and Density Stratification in Turbidity Currents. Journal of Geophysical Research Earth Surface,

v. 122, p. 473–491, https://doi.org/10.1002/2016JF003903 (https://doi.org/10.1002/2016JF003903) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2017-Jobe-et-al-JGR-ES-Density-Stratification-high-res.pdf)

26. Stright, L., Jobe, Z.R., Fosdick, J., Bernhardt, A., 2017, Modeling uncertainty in the three-dimensional structural deformation and stratigraphic evolution from outcrop data: implications for submarine channel knickpoint recognition. Marine and Petroleum Geology, v. 86, p. 79–94, https://doi.org/10.1016/j.marpetgeo.2017.05.004 (https://doi.org/10.1016/j.marpetgeo.2017.05.004) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2017-Stright-et-al-MPG-Knickpoint-Modelling-Chile.pdf)

25. Jobe, Z.R., Sylvester, Z., Howes, N., Pirmez, C., Parker, A., Cantelli, A., Smith, R., Wolinsky, M.A., O'Byrne, C., Slowey, N., and Prather, B., 2017, High-resolution, millennial-scale patterns of bed compensation on a sand-rich intraslope submarine fan, western Niger Delta slope: Geological Society of America Bulletin, v. 129, p. 23–37, https://doi.org/10.1130/B31440.1 (https://doi.org/10.1130/B31440.1) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2017-COLOR-Jobe-et-al-GSAB-Instraslope-Submarine-Fan.pdf)

24. Shumaker, L.E., Jobe, Z.R., & Graham, S. A., 2017, Evolution of submarine gullies on a prograding slope: Insights from 3D seismic reflection data. Marine Geology, v. 393, p. 35-46, https://doi.org/10.1016/j.margeo.2016.06.006 (https://doi.org/10.1016/j.margeo.2016.06.006) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2017-Shumaker-et-al-MG-Submarine-Gullies.pdf)

2016

23. Covault, J.A., Sylvester, Z., Hubbard, S.M., Jobe, Z.R., and Sech, R.P., 2016, The Stratigraphic Record of Submarine-Channel Evolution. The Sedimentary Record, v. 14, September issue, p. 4–11, http://www.sepm.org/The-Sedimentary-Record PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2016-Covault-et-al-Sed-Record-Submarine-channels.pdf)

22. Jobe, Z.R., Howes, N.C., and Auchter, N.C., 2016, Comparing submarine and fluvial channel kinematics: Implications for stratigraphic architecture: Geology, v. 44, p. 931–934, https://doi.org/10.1130/G38158.1 (https://doi.org/10.1130/G38158.1) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2016-Jobe-et-al-Geology-Channel-Kinematics.pdf)

21. Parker, A.O., Schmidt, M.W., Jobe, Z.R., and Slowey, N.C., 2016, A new perspective on West African hydroclimate during the last deglaciation: Earth and Planetary Science Letters, v. 449, p. 79–88, https://doi.org/10.1016/j.epsl.2016.05.038 (https://doi.org/10.1016/j.epsl.2016.05.038) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2016-Parker-Jobe-EPSL-West-African-Hydroclimate.pdf)

2015

20. Jobe, Z.R., Sylvester, Z., Parker, A.O., Howes, N., Slowey, N., and Pirmez, C., 2015, Rapid Adjustment of Submarine Channel Architecture To Changes In Sediment Supply: Journal of Sedimentary Research, v. 85, p. 729–753, https://doi.org/10.2110/jsr.2015.30 (https://doi.org/10.2110/jsr.2015.30) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2015-Jobe-et-al-JSR-Rapid-Adjustment-of-Submarine-Channel-Architecture-to-Sed-Supply-Changes.pdf)

19. Talling, P. J., Allin, J., Armitage, D. A., Arnott, R. W., Cartigny, M. J., Clare, M. A., Felletti, F., Covault, J.A., Girardclos, S. Hansen, E., Hill, P.R., Hiscott, R.N., Hogg, A.J., Clarke, J.H., Jobe, Z.R., Malgesini, G., Mozzato, A., Naruse, H., Parkinson, S., Peel, F.J., Piper, D.J.W., Pope, E., Postma, G., Rowley, P., Sguazzini, A., Stevenson, C.J., Sumner, E.J., Sylvester, Z., Watts, C., and Xu, J., 2015, Key Future Directions for Research on Turbidity Currents and Their Deposits. Journal of Sedimentary Research, v. 85, no. 2, 153-169, doi: https://doi.org/10.2110/jsr.2015.03 (https://doi.org/10.2110/jsr.2015.03) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2015-Talling-et-al-JSR-Future-Directions.pdf)

2014

18. Jackett, S.J., Jobe, Z.R., Lutz, B.P. Da Gama, R., Sylvester, Z., Prince, I.M., Albrecht, H.L., Prasad, T., 2014, Detecting baffle mudstones using microfossils: An integrated working example from the Cardamom Field, Block 427 Garden Banks, Gulf of Mexico, Palaeogeography, Palaeoclimatology, Palaeoecology, doi: https://doi.org/10.1016/j.palaeo.2014.04.007 (https://doi.org/10.1016/j.palaeo.2014.04.007). PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2014-Jackett-Jobe-PPP-Cardamom-baffles-mudstones.pdf)

2013

17. Sylvester, Z., Pirmez, P., Cantelli, A., and Jobe, Z.R., 2013, Global (latitudinal) variation in submarine channel sinuosity: Comment. Geology, v. 41, e287-e287, doi: https://doi.org/10.1130/G33548C.1 (https://doi.org/10.1130/G33548C.1). PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2013-Sylvester-et-al-Coriolis-discussion.pdf)

16. Jobe, Z.R., 2013, Turbidity currents and submarine channels. 52 Things You Should Know About Geology. Agile Libre, 132 p., ISBN: 978-0987959423. LINK (https://a.co/d/04zZcX0Y)

2012

15. Bernhardt, A., Jobe, Z.R., Grove, M. and Lowe, D.R., 2012, Palaeogeography and diachronous infill of an ancient deep-marine foreland basin, Upper Cretaceous Cerro Toro Formation, Magallanes Basin. Basin Research v. 24, no. 3, 269-294, doi: https://doi.org/10.1111/j.1365-2117.2011.00528.x (https://doi.org/10.1111/j.1365-2117.2011.00528.x). PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2012-Bernhardt-et-al-Basin-Res-Magallanes-Basin-geochron.pdf)

14. Jobe, Z.R., Lowe, D.R., Morris, W.R., 2012, Climbing-ripple successions in turbidite systems: depositional environments, sedimentation rates and accumulation times. Sedimentology 59 (3), 867-898, doi: https://doi.org/10.1111/j.1365-3091.2011.01283.x (https://doi.org/10.1111/j.1365-3091.2011.01283.x) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2012-Jobe-et-al-Sed-Climbing-ripple-successions-in-turbidite-systems.pdf)

13. Kane, I.A., McGee, D.T., and Jobe, Z. R., 2012, Halokinetic effects on submarine channel equilibrium profiles and implications for facies architecture: conceptual model illustrated with a case study from Magnolia Field, Gulf of Mexico. Geological Society, London, Special Publications 363, 289-302, doi: https://doi.org/10.1144/SP363.13 (https://doi.org/10.1144/SP363.13). PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2012-Kane-et-al-GSL-Halokinetic-effect-on-channel-profile-Magnolia-field-GOM.pdf)

2011

12. Bernhardt, A., Jobe, Z.R., Lowe, D.R., 2011, Stratigraphic evolution of a submarine channel–lobe complex system in a narrow fairway within the Magallanes foreland basin, Cerro Toro Formation, southern Chile. Marine and Petroleum Geology 28 (3), 785-806, doi: https://doi.org/10.1016/j.marpetgeo.2010.05.013 (https://doi.org/10.1016/j.marpetgeo.2010.05.013). PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2011-Bernhardt-et-al-MPG-Silla-Syncline.pdf)

11. Jobe, Z.R., Lowe, D.R., and Uchytil, S.J., 2011, Two Fundamentally Different Types of Submarine Canyons Along the Continental Margin of Equatorial Guinea. Marine and Petroleum Geology 28 (3), 843-860, https://doi.org/10.1016/j.marpetgeo.2010.07.012 (https://doi.org/10.1016/j.marpetgeo.2010.07.012). PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2011-Jobe-et-al-MPG-Two-different-types-of-submarine-canyons-Equatorial-Guinea.pdf)

2010

10. Jobe, Z.R., Bernhardt, A., and Lowe, D.R., 2010, Facies and Architectural Asymmetry in a Conglomerate-Rich Submarine Channel Fill, Cerro Toro Formation, Sierra del Toro, Magallanes Basin, Chile. Journal of Sedimentary Research 80 (12), 1085-1108, doi: https://doi.org/10.2110/jsr.2010.092 (https://doi.org/10.2110/jsr.2010.092) PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2010-Jobe-et-al-JSR-Submarine-channel-asymmetry.pdf)

2009

9. Bernhardt, A., Jobe, Z.R., and Lowe, D.R., 2009, Pehoe Member: Lowermost Channel Complex, Silla Syncline, in Fildani, A., Hubbard, S.M., and Romans, B.R., eds.: Stratigraphic Evolution of Deep-Water Architecture: Examples on controls and depositional styles from the Magallanes Basin, Chile, SEPM Field Trip Guidebook No. 10 for SEPM Field Conference, Magallanes Basin, Chile, February 22-28, 2009, pp. 25-27.

8. Jobe, Z.R., Bernhardt, A., Hubbard, S.M., and Lowe, D.R., 2009, Wildcat Channel Complex Axis-to-Margin Architecture, Sierra del Toro, in Fildani, A., Hubbard, S.M., and Romans, B.R., eds.: Stratigraphic Evolution of Deep-Water Architecture: Examples on controls and depositional styles from the Magallanes Basin, Chile, SEPM Field Trip Guidebook No. 10 for SEPM Field Conference, Magallanes Basin, Chile, February 22-28, 2009, pp. 35-37.

7. Jobe, Z.R., Bernhardt, A., Fosdick, J.C., and Lowe, D.R., 2009, Cerro Toro Channel Margins on Sierra del Toro, in Fildani, A., Hubbard, S.M., and Romans, B.R., eds.: Stratigraphic Evolution of Deep-Water Architecture: Examples on controls and depositional styles from the Magallanes Basin, Chile, SEPM Field Trip Guidebook No. 10 for SEPM Field Conference, Magallanes Basin, Chile, February 22-28, 2009, pp. 31-33.

2008

6. Bernhardt, A., Jobe, Z.R., and Lowe, D.R., 2008, The evolution of an elongate foreland basin: the deep- to shallow-marine filling of the Cretaceous Magallanes Basin, Chile, in: K. Schofield, N.C. Rosen, D. Pfeiffer, S. Johnson, Editors, Answering the Challenges of Production from Deep-water Reservoirs, GCS-SEPM Foundation 28th Annual Bob F. Perkins Research Conference (2008), pp. 268-310.

2006

5. Holbrook, J., Kliem, G., Nzewunwah, C., Jobe, Z.R., and Goble, R., 2006, Surficial alluvium and topography of the Overton Bottoms North Unit, Big Muddy National Fish and Wildlife Refuge in the Missouri River Valley and its potential influence on environmental management, chap. 2 of Jacobson, R.B., ed., Science to support adaptive habitat management–Overton Bottoms North Unit, Big Muddy National Fish and Wildlife Refuge, Missouri: U.S. Geological Survey, Scientific Investigations Report 2006-5086, p. 17-31.

2005

4. Caster, J.L., Avdeev, B.C., Main, D.A., Jobe, Z.R., & Holbrook, J.M., 2005, Surficial material map of the Lexington East 7.5’ Quadrangle, Ray County, Missouri: Missouri Division of Geology and Land Survey, Open-File Report, Scale 1:24000.

3. Avdeev, B.C., Caster, J.L., Jobe, Z.R., Main, D.A. & Holbrook, J.M., 2005, Surficial material map of the Hardin 7.5’ Quadrangle, Ray County, Missouri: Missouri Division of Geology and Land Survey, Open-File Report, Scale 1:24000.

2. Main, D.A., Jobe, Z.R., Avdeev, B.C., Caster, J.L., & Holbrook, J.M., 2005, Surficial material map of the Norborne 7.5’ Quadrangle, Carroll County, Missouri: Missouri Division of Geology and Land Survey, Open-File Report, Scale 1:24000.

1. Jobe, Z. R., Main, D.A., Avdeev, B.C., Caster, J.L., & Holbrook, J.M., 2005, Surficial material map of the Dover 7.5’ Quadrangle, Carroll County, Missouri: Missouri Division of Geology and Land Survey, Open-File Report, Scale 1:24000. PDF (https://raw.githubusercontent.com/zanejobe/zanejobe-pdfs/main/papers/2011-Jobe-et-al-MAP-Dover-quad-MIssouri.pdf)

Teaching Experience

Colorado School of Mines

Online

- 2025 Fall – GEOL 557 Earth Resource Data Science I: Fundamentals
- 2024 Spring – GEOL 558 Earth Resource Data Science II: Applications and Machine-learning (16 students), review of 4.86/5.0
- 2023 Fall – GEOL 557 Earth Resource Data Science I: Fundamentals (29 students), review of 4.5/5.0
- 2023 Spring – GEOL 558 Earth Resource Data Science II: Applications and Machine-learning (19

students)
- 2022 Fall – GEOL 557 Earth Resource Data Science I: Fundamentals (34 students), review of 4.9/5.0
- 2022 Spring – GEOL 558 Earth Resource Data Science II: Applications and Machine-learning (17 students)
- 2021 Fall – GEOL 557 Earth Resource Data Science I: Fundamentals (33 students), review of 4.9/5.0
- 2021 Spring – GEOL 558 Earth Resource Data Science II: Applications and Machine-learning (15 students), review of 4.75/5.0
- 2020 Fall – GEOL 557 Earth Resource Data Science I: Fundamentals (27 students), review of 4.9/5.0
- 2019-2020 development of the Earth Resource Data Science graduate certificate (passed through Colorado Board of Trustees)

Classroom

- 2023 Spring – GEOL 624 Carbonate Sedimentology (9 students, co-taught with Slootman, Plink-Björklund, and Wood)
- 2018 Fall – 1 hour graduate seminar “Interpreting Turbidites in Core” with 9 students and overall review of 4.71/5.00
- 2017 Fall – 1 hour graduate seminar “Turbidite Stratigraphic Architecture” with 14 students and overall review of 5.00/5.00
- 2017 Spring – 1 hour graduate seminar “Linkages between geomorphology and the stratigraphic record” with 15 students and an overall review of 4.89/5.00

Field trips

- SEPM Slope and Deep-Water Mixed Carbonate-Siliciclastic Architectural Elements of the Delaware Basin, Texas: A Core and Field Workshop (Twice back-to-back during May 2019, with Xavier Janson and Greg Hurd)
- “Field-based Deepwater Reservoirs in Southern California”
- for BP: July 2018, October 2018, March 2019, October 2019, February 2020, March 2022, November 2022, March 2023, February 2025;
- For Hess: October 2022, April 2025
- For Inpex, March 2018 (with Mary Carr)
- Field-based Deepwater Reservoirs in Ireland” for BP: June 2023, June 2024
- Permian Carbonate Sediment Routing Systems, Guadalupe Mountains, Texas: March 2018 (with Rick Sarg and Mary Carr)

Virtual field trips

- Four-module deepwater sedimentology course for BP (processes, channels, lobes, minibasins): 2022, 2023, 2024

Petroleum Technology Transfer Council

- 2017 (December 7) – “Turbidite Crash Course”, 1 day core workshop at the USGS CRC

Shell

Field trip leader (field-based with classroom portions)

- “Turbidites of Southern California” (March 2011, March 2012, March 2013)
- “Integrated Reservoir Modelling for Turbidites”
- Tabernas-Sorbas basin, Spain, November 2011
- Ross Sandstone, Ireland, June 2012, July 2013, July 2014, August 2016
- “Basins and Reservoirs”, Guadalupe Mountains, west Texas (September 2013, September 2014, March 2015, March 2016, March 2019, September 2020)
- “Experimental and Outcrop Analogs for Campos Basin, Brazil”, Porto Alegre, Brazil and Puerto Natales, Chile (February 2014, January 2015, March 2020)
- “Introduction to Sediment Gravity Flows Through Experiments”, Saint Anthony Falls, Univ. of Minnesota (June 2014)

Classroom-based courses

- Seismic and Sequence Stratigraphy, September 2012
- 3D Seismic Interpretation (Stratigraphic), March 2012

Stanford University

Field trip leader

- SPODDS Consortium meeting, Magallanes Basin, Chile, February 2009
- West Texas field seminar (2008)
- Shell Brazil & PetroBras, Magallanes Basin, Chile, February 2007

Graduate Teaching Assistant, 2005-2010

- Petroleum Geology (2008, 2009)
- Depositional Environments (2009)
- Sedimentary Basins (2007, 2008)

Mentoring Experience

Colorado School of Mines

Research associates

- Lauren Shumaker (2016-2018, 2 year postdoc)
- Ross Meyer (2018-2020, data scientist)
- Arnoud Slootman (2022-2025, 3 year postdoc)

Primary advisees (chronological)

PhD

- Luke Pettinga (PhD student, 2020)
- Thomas Martin (PhD student, 2022)
- Clark Gilbert (PhD student, 2023)
- Rachel Aisner Williams (PhD student, 2026)
- Guldana Alimzhanova (PhD student, 2026)
- Marat Ibagarov (PhD student, 2026)
- David Chibuzor Nworie (PhD student, 2026)

MSc

- Rosie Fryer (2018)
- Wylie Walker (2019)
- Evan Gross (2019)
- Kaci Kus (2020)
- Chance Seckinger (2022)
- Hanaga Simabrata (2022)
- Nataly Chacón Buitrago (2022)
- Mitch Schneider (2022)
- Leonela Aguada (2023)
- Shaskia Herida Putri (2023)
- Sanzhar Begimbetov (2024)
- Luthfi Saifudin (2024)
- Maximiliano Miguez (2024)
- Viska Dewi (2025)
- Jutamas Charoensuk (2027)

Committee member for:

- PhD: Mark Hansford, Michael Peffer, Sebastian Cardona, Dessy Sapardina, Pengfei Hou, Haipeng Li, Jianqiao Wang, Rania Pommer, Hirofumi Kobayashi, Jacquie Colborne, Alexis Wright, Hani Alzahrani, Luke Weidner, Forrest McFarlin, Chris Matson, Zaid Nadhim, Matt Musso, Mohamed Daniel Davis bin Monhamed, Adesh Pandey,

- MSc:Brittany Abbuhl, April Bievenour, Victoria Blanchard, Alyssa Charsky, Alex Cheney, Stephen Schwarz, Obianuju Ugwu-Oju, Sonia Ellison, Cahill Kelleghan, Jennifer Blake, Selena Neale, Matt Musso, Shane McWilliams, Fredrik Engstrom, Abdulrahman AlHussaini, Andrew Swift

Undergraduate researchers

- Dingxin Cai (2017 MURF)
- Ali Downard (2018 MURF)
- Andrew Harger (2018)
- Carissa Anderson (2019)

- Jared Tadla (2019-2020 MURF)
- Jessy Liao and Eric Klatzco (2020)
- Michael Field (2020-2021 MURF)
- Computer Science field session group 2020 (Lexie Ludeman, Jessy Liao, Courtney Richardson, Marcelo Gonzalez)
- Computer Science field session group 2021 (Grant Falkner, Matt Plumb, Ryan Armstrong, Patrick Schassberger)
- Computer Science field session group 2023 Lidar-fracture (Keshav Vembar, Rielly King, Zachary Royal, Adam Lisle)
- Computer Science field session group 2023 CT-scan (Connor Sparks, Asa Sprow, Kira Hanson, Carla Ellefsen)
- Sera Maurice Reyes 2024-2026

Shell Oil Company summer internships

- Neal Auchter (2015)
- Andrew Parker (2013)
- Lauren Shumaker (2012, 2014)
- Cody Trigg (2014; also served as PhD committee member at Stanford University)

Invited Presentations and Articles

- October 2025 Invited Keynote speaker at the Digital Geoscience conference, Geological Society of London
- December 2024 BSRG (British Sedimentological Research Group) Annual Meeting plenary speaker
- October 2023 SEPM Deepwater Research Group invited panelist and presenter
- October 2022 invited speaker at GSA Denver in session “Artificial Intelligence in the Geosciences”
- October 2021 invited speaker at West Texas Geological Society (Bone Spring)
- September 2021 invited speaker at AAPG/SEPM conference, Denver
- April 2021 PBS-SEPM invited talk to present Wylie Walker’s Bone Spring work
- January 2021 RMS-SEPM invited talk to lead a discussion on machine learning in sedimentology
- October 2020 Oklahoma State AAPG student chapter – Graphic log machine learning
- September 2019 - Invited participant at the NSF StraboSpot meeting in Salt Lake City, UT
- August 2018 - Invited speaker for the Rocky Mountain Section SEPM meeting, Denver, CO.
- December 2017 - Invited speaker for San Joaquin Geological Society, Bakersfield, CA.
- November 2017 - Invited speaker for Rocky Mountain Association of Geologists (RMAG), Denver, CO.
- Keynote speaker, January 2017, Deep-water Depositional Systems: Advances and Applications (Geological Society of London)
- Invited talk, September 2016, Virginia Tech University (Brian Romans, Neal Auchter)
- Invited talk, June 2016, Chevron Houston (Zoltan Sylvester)
- Invited talk, June 2016, ExxonMobil Houston (Mauricio Perillo)
- Invited talk, April 2016, University of Texas / Bureau of Economic Geology (Jake Covault)
- Invited half day short course, January 2016, Colorado State University, Fort Collins, CO (Lisa Stright)
- Invited talk, January 2016, AAPG Deepwater Reservoirs workshop
- Invited talk, April 2015, New Orleans Geological Society monthly meeting
- Invited talk, January 2015, AAPG Deepwater Reservoirs workshop
- Invited talk, August 2014, Shell Young Explorers Conference
- Invited talk, October 2013, University of Texas at Arlington (Majie Fan)
- Invited co-author, 2013, “52 Things You Should Know About Geology” book, Chapter title: Turbidity currents and submarine channels. Agile Libre publishers, 132 p., ISBN: 978-0987959423.
- Invited participant and speaker, “Turbidity currents: current state of the art and future directions”, organized by Peter Talling, September 2013, Santa Sofia, Italy
- Keynote speaker, Pacific Section of the Society for Sedimentary Geology 2013 award ceremony for Donald R. Lowe

- Invited contributor for 3 articles in the 2009 Society of Sedimentary Geology (SEPM) Field Trip Guide #10, “Stratigraphic Evolution of Deep-Water Architecture: Examples on Controls and Depositional Styles from the Magallanes Basin, Chile”

Awards and Scholarships

- 2018 Mines Geology poster fair – best undergraduate poster award (Ali Downard and Zane Jobe)
- 2017 keynote speaker for Deep-water Depositional Systems: Advances and Applications (Geological Society of London)
- 2017 “Exceptional Reviewer” for GeoSphere journal
- 2017 Digital Globe Foundation imagery recipient (Petrified Forest National Park, Arizona)
- 2013 Shell Special Recognition Award for excellence in field-trip development and execution
- 2008 recipient of research assistantship at Stanford University through the Thomas D. and Janice H. Barrow Fellowship Fund (3 quarters of full tuition and stipend support)
- 2007 recipient of research assistantship at Stanford University through the Krauskopf Family Trust Fund (3 quarters of full tuition and stipend support)
- Shell Foundation grants (2006, 2007, 2008) for travel to conferences ($1,000 each year)
- 2004 President’s award for Undergraduate Research at the University of Texas at Arlington
- UTA Honors College Residential Mentors Scholarship, 2003-2004 ($3600)
- Fort Worth Geological Society annual geology scholarship, 2003 ($750)
- J.D. Boone Scholarship for academic excellence in geology at UTA, 2003 ($500)
- UTA Mineralogy Award for excellence in Mineralogy class, 2002 ($200)

Professional and Community Involvement

- Colorado School of Mines
- 2022
- Co-convener (Elisabeth Steel and Brian Willis) Session T8-2: Linking surface dynamics to the stratigraphic record at 2022 ISC Beijing
- 2021
- TopCorp core workshop (50 participants)
- 2020
- Xeek data science contest designer and co-host (January 24)
- 2019
- Planned and executed a Mines booth at the RMAG Permian Basin Symposium
- Mentored the Mines AAPG IBA team
- Hosted Martin Nauton as a summer visiting scholar
- Represented Mines at the StraboSpot meeting in Salt Lake City
- Represented Mines at the unveiling of TTU Permian Basin Research Center, Midland TX
- 2018
- Pro-bono taught “Turbidites in Core” Fall 2018, with review of 4.71/5.00
- Planned and co-led a Book Cliffs field trip with Mike Boyles
- Representative for USGS ‘Subsurface Frontiers’ initiative for a new building on campus
- Planned and executed a Mines booth and alumni event at the annual AAPG convention
- 2017
- Pro-bono taught “Linkages Between Geomorphology and the Stratigraphic Record” Spring 2017, with review of 4.89/5.00
- Pro-bono taught “Turbidite Stratigraphic Architecture” Fall 2017; co-taught with Lauren Shumaker, with review of 5.00/5.00
- Organized Mines Alumni event at AAPG conference in Houston
- GE Undergraduate Summer Research Program award (Dingxin Cai - $3,200)
- Attended Mines Undergraduate Commencement in May 2017
- 2016: Attended Mines Preview Day, October 29, 2016
- Author of “off the shelf edge” geology blog https://offtheshelfedge.wordpress.com/, 2010-present
- SEPM (Society of Sedimentary Geology)
- Sedimentology Councilor (elected position): 2019-2021
- Leader of the ‘Deepwater Research Group’ (2016-2019)

- Executive committee member for the inaugural ‘Bouma conference’ to be held in 2021
- Planning committee member for the 2020 SEPM meeting in Flagstaff, Arizona
- Organizer for nomination of Donald R. Lowe for the 2016 Twenhofel Lifetime Achievement Award for outstanding contributions to sedimentology and sedimentary geology
- Associate Chair (2020 onward) for the UNESCO supported “S4Slide” initiative (Significance of Modern and Ancient Submarine Slope Landslides)
- Co-author of educational article about submarine channels in the magazine “The Sedimentary Record” (September 2016 issue)
- Co-editor of the 2017 AAPG Centennial “Outcrops” atlas
- Interview for the AAPG Learn Blog (August 2016) - http://www.aapg.org/publications/blogs/learn/article/Articleid/33427/outcrops-and-modern-depositional-systems-as-reservoir-analogs-interview-with-zane-jobe
- Participant, 2014 NSF workshop, “Increasing the Access to and the Relevance of Marine Seismic Data”
- Organizer for nomination of, and keynote speaker for Donald R. Lowe for the 2013 American Association of Petroleum Geologists Distinguished Educator award
- Provided letters of recommendation for Pat Nguyen, Rob Dorrell, Mike Clare, Lauren Shumaker, Anne Bernhardt, Dingxin Cai, Ali Downard
- Developer and leader, Sedimentology Network, Shell, 2010-2013
- Sedimentary Research Group Coordinator, Stanford University 2008-2010
- AAPG (American Association of Petroleum Geologists)
- 2018 Annual Convention and Exhibition, Salt Lake City
- Theme chair, Siliciclastics (with Gary Hampson)
- Session chair:
- Theme 1: Using Experiments and Models to Understand Depositional Patterns and Reservoir Architecture III (SEPM)
- Theme 1: Using Experiments and Models to Understand Depositional Patterns and Reservoir Architecture IV (SEPM)
- Theme 1: Deepwater Depositional Environments I (SEPM)
- Theme 1: Deepwater Depositional Environments IV (SEPM)
- 2017 Annual Convention and Exhibition, Houston
- Session chair “Stratigraphic Architecture of Deepwater Systems: Subsurface, Outcrop, and Modern Analogs”; co-chairs Brian Romans and Steve Hubbard
- Session chair “Deepwater Deposits: From Classic Models to Paradigm Shifts”; co-chairs Dave Hodgson and Anna Pontén
- 2014 Annual Convention and Exhibition
- Oral session chair – “Turbidites and Contourites”; co-chairs Emiliano Mutti and Joris Eggenhuisen

- Poster session chair, “Sedimentology, Architecture and Process Controls of Deepwater Siliciclastic Systems”; co-chairs: Bret Dixon and Michael Pyrcz
- AGU (American Geophysical Union)
- 2016 Fall Meeting, session co-chair, “Sediment transport capacity in flows: evolution from upland catchments to the deep ocean”; co-chairs Rob Dorrell, Lawrence Amy, Nick Howes
- 2015 Fall meeting session co-chair, “Mass Extraction and Grain Size Fractionation in Sediment Routing Systems: Tracking Sediment from Upland Catchments to the Deep Ocean”; co-chairs Anjali Fernandes, Nick Howes, Liz Hajek
- 2014 Fall Meeting, poster session chair, “Sinuous Channels in Subaerial and Submarine Environments: Comparing Flow, Form, and Fill”, co-chairs Jacob Covault, Zoltan Sylvester, Nick Howes
- 2012 Fall Meeting, oral and poster session chair, “Linking Geomorphology and Morphodynamics to Sediment Budgets, Sediment Caliber, and the Stratigraphic Record”; co-chair Jacob Covault
- GSA (Geological Society of America)
- 2016 Annual Meeting, session chair, “Deep-Marine Sedimentary Environments: Linking Depositional Processes, Geomorphology, and the Sedimentary Record”; co-chairs Lauren Shumaker and Katie Coble
- Professional organization memberships:
- SEPM (Society for Sedimentary Geology)
- IAS (International Association for Sedimentology)
- AAPG (American Association of Petroleum Geologists)
- AGU (American Geophysical Union)
- GSA (Geological Society of America)

Fieldwork Experience

- California – 24 weeks (2005-2025)
- Chile – 29 weeks (2006-2020)
- Ireland – 12 weeks (2008-2026)
- South Africa – 6 weeks (2007-2008)
- Spain – 3 weeks (2008-2011)
- Missouri River – 7 weeks (2004)
- New Mexico – 12 weeks (2003-2026)
- New Zealand – 6 weeks (2007-2012)
- Texas – 25 weeks (2004-2026)
- Utah – 8 weeks (2005-2020)

Journal and Grant Reviews (before 2023)

- Petroleum Research Fund (5)
- NSERC (1)
- AAPG Bulletin (2)
- Basin Research (4)
- The Sedimentary Record (1)
- The Depositional Record (2)
- Earth Science Reviews (1)
- Geology (4)
- Geophysical Research Letters (1)
- GeoSphere (3)
- GSA Bulletin (1)
- Journal of Sedimentary Research (7)
- Marine and Petroleum Geology (2)
- Nature Communications (1)
- Quaternary Science Reviews (1)
- Pilot funding for new research (Pfund), Louisiana Board of Regents (1)
- SEPM Special Publication for Don Gorsline (1)
- Sedimentary Geology (1)
- Sedimentology (2)

Continuing Education

- Summer of Applied Geophyscial Experience (SAGE), Summer 2005, Santa Fe, New Mexico
- Petroskills “Introduction to Reservoir Engineering” – 5 days, 2011
- Shell internal training
    - Advanced Trap Analysis (5 days), 2010
    - 3D Connectivity Factors and Dynamic Modelling – 5 days, 2011
    - Shell Graduate Program (2010-2013)
    - Field Course: Basins & Reservoirs, West Texas/New Mexico – 5 days
    - Field Course: Reservoirs & Rocks, Utah – 5 days
    - Geophysics Foundations (EP11) – 3 days
    - 3D Seismic Interpretation (Structural) – 5 days
    - 3D Seismic Interpretation (Stratigraphic) – 5 days
    - 3D Seismic Interpretation (Quantitative) – 5 days
    - Seismic and Sequence Stratigraphy – 5 days
    - Operations Geology – 5 days
    - Subsurface Structure and Mapping (GX170) – 5 days
    - Introduction to Integrated Reservoir Modeling (IIRM) – 3 days
    - 3D Static Reservoir Modeling – 5 days
    - Petroleum Systems (GX100) – 5 days
    - Risk & Volumes – 2 days
    - Play Based Exploration – 3 days
    - Unconventionals – 1 day
    - Subsurface Integration (G180) – 10 days

CONFERENCE ABSTRACTS AND PRESENTATIONS 2021 and prior (2021-present not tracked)

73. Martin, T., Tadla, J., Jobe, Z.R., 2021, Digitalization of legacy datasets from the Lewis Shale yields insights for reservoir properties and submarine-fan evolution. AAPG IMAGE meeting, Denver
72. Jobe, Z.R. and Laugier, F., 2021, From 1D to 4D: The humble graphic log as a means to quantify and predict stratigraphic complexity. AAPG IMAGE meeting, Denver
71. Jobe, Z.R., Howes, N., Martin, J., Meyer, R., Coutts, D., and Hou, P., Stright, L., and Laugier, F., 2021, Sedimentary graphic logs: A template for description and a toolkit for digitalization. AAPG IMAGE meeting,

Denver
70. Chacon Buitrago, N., Jobe, Z.R., Walton, G., 2021, Automated Facies recognition using digital outcrop models and machine learning. AAPG IMAGE meeting, Denver
69. Gilbert, J.C. and Jobe, Z.R., 2021, Repetitive depositional architecture patterns demonstrate evolution of submarine channels on a steep margin: Miocene Modelo Formation, Lake Piru, Southern California. AAPG IMAGE meeting, Denver
68. Simabrata, H., Jobe, Z.R., Cardona, S., Wood, L., 2021, Spicule grain reorientation in mixed carbonate-siliciclastic mass transport deposits: A case study in the Cutoff Formation, Guadalupe Mountains, Texas. AAPG IMAGE meeting, Denver
67. Hou, P., Jobe, Z.R., Li, H., 2021, Introducing time series complexity analysis to submarine fan stratigraphy. AAPG IMAGE meeting, Denver
66. Jobe, Z.R., Howes, N.C., Straub, K.M., Cai, D., Deng, H., Laugier, F.J., Pettinga, L.A., Shumaker, L.E., 2020, Comparing Aggradation, Superelevation, and Avulsion Frequency of Submarine and Fluvial Channels. American Geophysical Union, Fall Meeting 2020, abstract #EP019-16.
65. Hou, P., Jobe, Z.R., Wood, L., 2020, Statistical Characterization of a Confined Submarine Fan System: the Pennsylvanian Lower Atoka Formation, Ouachita Mountains, USA. American Geophysical Union, Fall Meeting 2020, abstract #EP025-08.
64. Hou, P., Jobe, Z.R., Wood, L., 2020, Statistical Characterization of a Confined Submarine Fan System: the Pennsylvanian Lower Atoka Formation, Ouachita Mountains, USA. GSA Online meeting.
63. Jobe, Z.R., Howes, N., Meyer, R., Martin, J., Coutts, D., Hou, P., 2020, Sedimentary graphic logs: A toolkit for digitalization and a template for standardized description, GSA Online meeting.
62. Pettinga, L.A. and Jobe, Z.R., 2019, How Turbidity Current Flow Properties Shape Submarine Levees. American Geophysical Union, Fall Meeting 2019, abstract #OS32A-01.
61. Gross, E., Carr, M., Jobe, Z.R., 2019, Three-Dimensional Eolian Bounding Surface Architecture of the Entrada Sandstone, Utah: Expanding our Understanding of Dune Morphodynamics and Ancient Erg Evolution. American Geophysical Union, Fall Meeting 2019, abstract #EP23C-2278.
60. Jobe, Z.R., Downard, A., Martin, T.P., Meyer, R., 2019, Automated Interpretation of Depositional Environments Using Measured Stratigraphic Sections and Machine-Learning Models. AAPG Technical Program, Annual Convention, 2019.
59. Walker, W., Jobe, Z.R., 2019, Stratigraphic Architecture and Sediment Partitioning in the Mixed Carbonate-Siliciclastic Bone Spring Formation, Delaware Basin, Texas. AAPG Technical Program, Annual Convention, 2019.
58. Martin, T.P., Meyer, R., Jobe, Z.R., 2019, Automated Lithology Prediction from Core Images and Well Log Data Using Machine Learning Algorithms: A Case Study from the Greater Schiehallion Area, West of Shetland, United Kingdom. AAPG Technical Program, Annual Convention, 2019.
57. Pettinga, L., Jobe, Z.R., 2019, How do submarine canyon-channel systems (re)shape continental margins? AAPG Technical Program, Annual Convention, 2019.
56. Kus, K.B., Jobe, Z.R., Laugier, F., Sullivan, M., 2019, Lateral Heterogeneity of Distal Submarine Lobe Deposits, Point Loma Formation, California: Implications for Lateral Facies Prediction in Horizontal Wells. AAPG Technical Program, Annual Convention, 2019.
55. Gross, E., Carr, M., Jobe, Z.R., 2019, Three-dimensional eolian bounding surface architecture of the Entrada Sandstone, Utah: Expanding our understanding of reservoir heterogeneity in wet eolian prospects. AAPG Technical Program, Annual Convention, 2019.
54. Gilbert, C., Jobe, Z.R., Sharman, G., Johnstone, S., 2019, Unraveling the complex tectonostratigraphic

evolution of the Ventura Basin, California, using detrital zircon mixture modeling. AAPG Technical Program, Annual Convention, 2019.
53. Jobe, Z.R., Howes, N.C., Romans, B.R., Covault, J.A., 2018, Volumes and frequencies of submarine fan-building turbidity currents. ISC Quebec City Technical Program.
52. Englert, R.G., Hubbard, S.M., Coutts, D., Jobe, Z.R., Cartigny, M., Hage, S., 2018, Preservation of Upper-Flow-Regime Bedforms and Their Recognition in the Stratigraphic Record. ISC Quebec City Technical Program.
51. Patten, J., Marcantonio, F., Jobe, Z.R., Schmidt, M., Slowet, N., Thomas, D., 2018, The Applicability of the 230Th Constant Flux Proxy in Sediments Offshore of the Niger River Delta. AGU Abstracts with Program, Washington D.C., 2018.
50. Jobe, Z.R., Howes, N.C., Georgiou, I., Cai, D., Deng, H., Laugier, F., Shumaker, L.E., 2018, Comparing Aggradation, Superelevation, and Avulsion Frequency of Submarine and Fluvial Channels. AAPG Technical Program, Annual Convention, 2018.
49. Fryer, R.C., Jobe, Z.R., Shumaker, L.E., 2018, Quantitative Analysis of the Bed-Scale Facies Architecture of Submarine Lobe Deposits. AAPG Technical Program, Annual Convention, 2018.
48. Thompson-Jobe, J.A., Giles, K., Hearon, T.E., Trudgill, B., Gannaway, C.E., Jobe, Z.R., Rowan, M.G., 2018, Structural and Stratigraphic Evolution of the Sinbad Valley Salt Wall, Northeast Paradox Basin, Southwest Colorado. AAPG Technical Program, Annual Convention, 2018.
47. Englert, R.G., Hubbard, S.M., Coutts, D., Jobe, Z.R., Cartigny, M., Hage, S., 2018, Preservation of Upper-Flow-Regime Bedforms and Their Recognition in the Stratigraphic Record. AAPG Technical Program, Annual Convention, 2018.
46. Pettinga, L., Jobe, Z.R., Shumaker, L.E., Howes, N.C., 2018, Morphometric scaling relationships in submarine channel-lobe systems: implications for turbidite depositional processes and stratigraphic architecture. AAPG Technical Program, Annual Convention, 2018.
45. Morris, P.D., Covault, J.A., Sech, R., Sylvester, Z., Jobe, Z.R., 2018, Deepwater Channel Trajectory Controls on Resultant Reservoir Connectivity. AAPG Technical Program, Annual Convention, 2018.
44. Deng, H., Wood, L., Jobe, Z.R., 2018, Mass Failure Complex Morphometrics as an Indicator of Flow Rheology and Composition: A Comprehensive Study in the Gulf of Mexico. AAPG Technical Program, Annual Convention, 2018.
43. Walker, W., Jobe, Z.R., 2018, Stratigraphic Architecture of Turbidite and Mass-Transport Deposits in the Outcropping Bone Spring Formation, Delaware Basin, Texas. AAPG Technical Program, Annual Convention, 2018.
42. Shumaker, L.E., Jobe, Z.R., Moody, J., Cai, D., 2018, Scaling Relationships Between Stratigraphy and Morphology of Submarine Channels. AAPG Technical Program, Annual Convention, 2018.
41. Wang, J., Plink-Bjorklund, P., Jobe, Z.R., 2018, Scaling Relationships of Channel-Lobe Deposits in Large Fluvial Fan Systems: Implications for Subsurface Reservoir Prediction. AAPG Technical Program, Annual Convention, 2018.
40. Fryer, R.C., Jobe, Z.R., Shumaker, L.E., Stammer, J., Fleming, A., 2017, Quantifying the Bed-scale Architecture of Submarine Lobe Deposits, Point Loma Formation, California. AAPG Technical Program, Annual Convention, 2017.
39. Southern, S.J., Stright, L., Jobe, Z.R., Romans, B.R., Hubbard, S.M., 2017, The Stratigraphic Expression of Slope Channel Evolution: Insights From Qualitative and Quantitative Assessment of Channel Fills From the Cretaceous Tres Pasos Formation, Southern Chile. AAPG Technical Program, Annual Convention, 2017.
38. Shumaker, L.E., Howes, N.C., Pettinga, L.A., Jobe, Z.R., 2017, Investigating Controls on Submarine

Channel Evolution Through Morphometric Scaling Relationships. AAPG Technical Program, Annual Convention, 2017.

37. Pettinga, L.A., Shumaker, L.E., Howes, N.C., Jobe Z.R., 2017, Scaling Relationships in Linked Submarine Channel-Lobe Systems: Enabling Prediction of Reservoir Scales and Geometries in Deep-Water Sediment Routing Systems. AAPG Technical Program, Annual Convention, 2017.

36. Jobe, Z.R., 2017, Submarine Sediment Routing Systems on the Western Niger Delta Slope: Autogenic and Allogenic Signal Propagation and Preservation. AAPG Technical Program, Annual Convention, 2017.

35. Jobe, Z.R., and Howes, N.C., 2017, Scaling Relationships, Kinematics, and Stratigraphic Architecture of Submarine Channels: Application to Reservoir Prediction. Deep-water Depositional Systems: Advances and Applications (Geological Society of London).

34. Jobe, Z.R., 2016, Mass Delivery and Frequency of Submarine Fan-Building Turbidity Currents. American Geophysical Union, Fall Meeting 2016, abstract #OS12C-07.

33. Jobe, Z.R., 2016, Characterization of a Submarine Channel-Lobe Transition Zone, Western Niger Delta. GSA 2016 Annual Conference, session T190. Modern and Ancient Sediment Transport on Earth and Planetary Surfaces.

32. Jobe, Z.R., Howes, N.C., Auchter, N., 2016, Temporal Evolution of Submarine Channel Trajectory and Mobility: Quantitative Analysis and Comparison to Rivers. AAPG Technical Program, Annual Convention, 2016.

31. Romans, Brian W., Auchter, N.C., Bernhardt, A., Covault, J.A., Daniels, B.G., Fildani, A., Fosdick, J.C., Hubbard, S.M., Jobe, Z.R., Malkowski, M.A., Schwartz, T.M., Sickmann, Z.T., Stright, L., Graham, S.A., 2016, Stratigraphic Record of Foreland Basin Dynamics, Cretaceous Magallanes-Austral Basin, Chile and Argentina. AAPG Technical Program, Annual Convention, 2016.

30. Jobe, Z.R., Howes, N.C., Martin, J., Wolinsky, M., Cantelli, A., 2015, Submarine Channel Morphological Scaling Relationships: A Predictor for Architectural Heterogeneity and a Comparison to Subaerial/River Scaling Relationships. AAPG Technical Program, Annual Convention, 2015.

29. Howes, N.C., Martin, J., Georgiou, I.Y., Hughes, Z.J., Wolinsky, M.A., Jobe, Z.R., 2015, Channel Scaling and Dynamics in the Fluvial Marine Transition, AAPG Technical Program, Annual Convention, 2015.

28. Hubbard, S.M., Romans, B.W., Jobe, Z.R., Covault, J.A., Fildani, A., 2015, How Many Turbidity Currents Pass Through a Submarine Channel and What is Their Stratigraphic Expression? AAPG Technical Program, Annual Convention, 2015.

27. Jobe, Z.R., Parker, A.O., Lowe, D.R., Slowey, N., McGann, M., 2015, Sediment Budgets and Depositional Processes Influencing Submarine Canyon Systems, Equatorial Guinea, West Africa. AAPG Technical Program, Annual Convention, 2015.

26. Niquet, D.D., Hubbard, S.M., Laycock, D.P., Reimchen, A.P., Jobe, Z.R., Romans, B.W., 2015, The Orientation of Sandstone-Filled U-Shaped Trace Fossils as Indicators of Deepwater Channel Axis Position, Tres Pasos Formation, Chile. AAPG Technical Program, Annual Convention, 2015.

25. Trigg, C., Jobe, Z.R., Lowe, D.R., 2015, Stacking Patterns and Petrographic Analysis of Slurry Beds of the Wilcox Formation, Gulf of Mexico: Implications for Flow Evolution and Depositional Setting. AAPG Technical Program, Annual Convention, 2015.

24. Jobe, Z.R., Pirmez, C., Sylvester, Z., Frascati, A., Bolla Pittaluga, M., Howes, N.C., 2015, Vertical and Lateral Changes in Facies, Bed Thickness, and Grain Size in Submarine Channels from an Ultra-High Resolution Dataset, Western Niger Delta Slope: Implications for Turbidity Current Stratification. American Geophysical Union, Fall Meeting 2015, abstract #EP12A-02.

23. Shumaker, L., Jobe, Z.R., Graham, S.A., 2015, Constraining the Formation of Submarine Gullies on

Continental Slopes. American Geophysical Union, Fall Meeting 2015, abstract #EP13A-0930.
22. Auchter, N., Jobe, Z.R., Howes, N.C., 2015, Temporal Evolution of Submarine Channel Trajectory and Mobility: Quantitative Analysis and Comparison to Rivers. American Geophysical Union, Fall Meeting 2015, abstract #EP13A-0933.
21. Jobe, Z.R., Sylvester, Z., Pirmez, C., Prather, B., 2014, High Resolution, Millennial-Scale Patterns of Bed Compensation on a Sand-Rich Submarine Lobe, Western Niger Delta Slope. AAPG Technical Program, Annual Convention, 2014.
20. Jobe, Z.R., Sylvester, Z., Pirmez, C., Prather, B., Abd El-Gawad, S., Minisini, D., Cantelli, A., Howes, N.C, Smith, R.D.A., 2014, Ultra-High Resolution Modern Analog Dataset from the Western Niger Delta Slope: Facies Architecture and Application to Turbidite Reservoirs. GCAGS Transactions 2014 meeting, Lafayette, LA.
19. Parker, A.O., Schmidt, M.W., Slowey, N.C., Jobe, Z.R., Marcantonio, F., 2014, Decoupled Changes in Western Niger Delta Primary Productivity and Niger River Discharge Across the Last Deglacial. American Geophysical Union, Fall Meeting 2014, abstract #PP44A-02
18. Jobe, Z.R., 2014, High Resolution, Millennial-Scale Patterns of Bed Compensation on a Sand-Rich Submarine Lobe, Western Niger Delta Slope. American Geophysical Union, Fall Meeting 2014, abstract #EP13D-3542.
17. Jobe, Z.R., Sylvester, Z., Parker, A.O., 2013, Adjustment of Submarine Channel Architecture to Changes in Sediment Supply, Western Niger Delta Slope. SEPM conference, September 2013: Turbidity currents: current state of the art and future directions, Santa Sofia, Italy.
16. Jobe, Z.R., Morris, W.R., Lowe, D.R., 2013, Climbing Ripple Successions in Turbidite Systems: Depositional Environments, Sedimentation Rates, and Accumulation Times. 2013 Pacific Section AAPG, SEG and SEPM Joint Technical Conference, Monterey, California.
15. Jobe, Z.R., Sylvester, Z., Parker, A.O., Pirmez, P., Slowey, N., 2013, Adjustment of Submarine Channel Architecture to Changes in Sediment Supply, Western Niger Delta Slope. American Geophysical Union, Fall Meeting 2013, abstract #OS52A-08.
14. Jobe, Z.R., Z Sylvester, SA Abd El-Gawad, A Cantelli, C Pirmez, 2012, Sinuous slope channel evolution: insights from 3D high-resolution seismic data, piston coring, and numerical modeling of the western Niger Delta slope. AAPG Technical Program, Annual Convention, 2012.
13. A Bernhardt, Jobe, Z.R., M Grove, DR Lowe, 2011, Paleogeography And Diachronous Infill Of An Ancient Deep-Marine Foreland Basin, Upper Cretaceous Cerro Toro Axial Channel, Magallanes Basin, Chile. AGU Fall Meeting Abstracts 0930.
12. Jobe, Z.R., Z Sylvester, SA Abd El-Gawad, A Cantelli, C Pirmez, 2011, Sinuous slope channel evolution: insights from 3D high-resolution seismic data, piston coring, and numerical modeling of the western Niger Delta slope. AGU Fall Meeting Abstracts 0929.
11. Jobe, Z.R., 2010, The Influence of Sediment Supply & Caliber on Submarine Canyon Morphology and Turbidity-Flow Character. AGU Fall Meeting Abstracts, 0630.
10. Jobe, Z.R., Bernhardt, Z., and Lowe, D.R., 2010, Quantitative Architectural Analysis and Depositional Model of an Asymmetric Conglomerate-Rich Submarine Channel Fill, Cerro Toro Formation, Sierra del Toro, Magallanes Basin, Chile. AAPG Technical Program, Annual Convention, 2010.
9. Jobe, Z.R. and Lowe, D.R., 2009, Pockmarks on the Modern Seafloor as Indicators of Submarine Canyon Abandonment, Offshore Equatorial Guinea, Pacific Section AAPG 2009 Annual Meeting: Modern Sea Floor and Quaternary Turbidite Systems in Honor of Bill Normark.
8. Stright, L., and Jobe, Z.R., 2008, Analysis of Channel-Fill Architecture with Forward Seismic Modelling of

the Wildcat Channel Complex, Sierra del Toro, Magallanes Basin, Chile, in SEPM Research Program Proceedings “Outcrops Revitalized: Tools, Techniques and Applications”, Abstracts with Programs 2008, held in Kilkee, County Clare, Western Ireland.

7. Jobe, Z.R., 2008, Tertiary Evolution of Upper Slope Canyons, Offshore Equatorial Guinea: Canyon Initiation, Growth and Abandonment via Knickpoint Migration, Joint meeting of the Geological Society of America abstracts with programs, 2008.

6. Jobe, Z.R., Morris, W.R., Wickens, H.D., and Lowe, D.R., 2008, Thick successions of climbing-ripple and scour-fill deposits in overbank/off-axis deep-water environments: Tanqua Karoo, South Africa and Magnolia field, Gulf of Mexico, AAPG Technical Program, Annual Convention, San Antonio 2008.

5. Bernhardt, Anne, Jobe, Z.R., and Lowe, D.R., 2007, Foreland Basin Axis Migration Documented by Deep-Water Conglomeratic Channel Deposits, Southern Chile, AAPG Technical Program, Annual Convention, Long Beach 2007.

4. Jobe, Z.R. & Jim S. Hewlett, 2007, Neogene Evolution of a Confined Upper Slope Canyon System with Emphasis on Canyon Fill Architecture, Offshore Equatorial Guinea, AAPG Technical Program, Annual Convention, Long Beach 2007.

3. Main, D.J., Holbrook, J., Jobe, Z.R., Avdeev, B., Caster, J., 2005, First record of late Pleistocene deposits from the Missouri river valley, Norborne quadrangle, MO, Geological Society of America annual meeting, Abstracts with programs, 2005.

2. Jobe, Z.R., Kleim, G., & Holbrook, J.M., 2005, Using fluvial sedimentology to guide vegetation and shallow water habitat rehabilitation in the Big Muddy Fish and Wildlife Refuge, Missouri, GSA abstracts with programs, vol.31, no. 3.

1. Jobe, Z.R., 2004, Microfauna of the upper Bell Canyon Formation (Permian), Univ. of Texas at Arlington ACES 2004 abstracts.