

LISA STRIGHT

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EDUCATION

- 2011 **Ph.D., Interdisciplinary Geosciences** (Earth, Energy and Environmental Sciences)
Stanford University, Stanford, CA
Dissertation title: Multiscale Modeling of Deep-Water Channel Deposits: An
Interdisciplinary Study Integrating Geostatistics, Geology and Geophysics
Co-advisors: Drs. Stephan Graham and Andre Journel, with Gary Mavko and Tapan Mukerji
- 2006 **M.S., Petroleum Engineering**, Geostatistics and Reservoir Engineering specialization
Stanford University, Stanford, CA
Thesis title: Coupled Geological Modeling and History Matching Of Fine-Scale Curvilinear
Flow Barriers and Large Scale Facies Bodies
Advisor: Dr. Jef Caers
- 1999 **M.S., Geological Engineering**, Hydrogeology specialization
Michigan Technological University, Houghton, MI
Thesis title: Modeling Oxygen Mass Transfer Limitations During Biosparging
Advisor: Dr. John Gierke
- 1995 **B.S., Civil Engineering**, Environmental/Groundwater Hydrology specialization
University of Colorado, Boulder, CO
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OTHER EDUCATION

- 2006 Business Certificate, Summer Institute of Entrepreneurship (SIE),
Stanford Graduate School of Business, Stanford, CA
- 2000- Continuing Education, 2000-2001, Petroleum Engineering courses, Colorado School of
2001 Mines, Golden, CO and University of Leoben, Austria
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PROFESSIONAL EXPERIENCE

- 2021- **Associate Professor**, *Department of Geosciences*
present *Colorado State University*
- 2015- **Assistant Professor, (tenure-track)**, *Department of Geosciences*
2021 *Colorado State University*

- 2011-2015 **Assistant Professor, (tenure-track)**, *Department of Geology & Geophysics*
University of Utah
- 2011-2012 **Research Scientist***, *Energy & Geoscience Institute*,
University of Utah, *Joint Appointment with tenure-track faculty position
- 2005-2008 **Teaching Assistant**, *Stanford School of Earth Sciences*
GEOL/PEGN 240 Reservoir Characterization using Outcrop Data
- 2007 **Geoscience Intern**, ExxonMobil, Houston, TX
- 1999-2004 **Reservoir Engineer**, VeritasDGC, Inc., Houston, TX and Malkewicz, Hueni and Associates,
Denver, CO
- 1998 **Teaching Assistant**, Groundwater Hydrology, Michigan Technological University, MI
- 1996-1997 **Consulting Environmental Engineer**, 1996-1997, Adrian Brown Consultants, Denver, CO
- 1995-1996 **System Administrator**, National Oceanic and Atmospheric Administration, Boulder, CO
- 1994 **Water Quality Laboratory Intern**, USGS National Water Quality Laboratory, Arvada, CO
- 1993-1995 **Student System Administrator**, Civil Structural Engineering Research Computer Laboratory,
Boulder, CO

RESEARCH GRANTS

- 2022-2025 “CSS Phase 4: Architectural Analysis and Modeling of Slope Reservoirs”, **PI of subcontract at CSU: Dr. Lisa Stright**; equal co-director in JIP with Drs. Stephen Hubbard and Brian Romans at University of Calgary and Virginia Tech (funders: CNOOC/Nexen, Woodside, Apache, Petrobras, ConocoPhillips, BP) total = \$855,000 (subcontract = TBD, anticipated ~40%).
- 2019-2022 “CSS Phase 3: Architectural Analysis and Modeling of Slope Reservoirs”, **PI of subcontract at CSU: Dr. Lisa Stright**; equal co-director in JIP with Drs. Stephen Hubbard and Brian Romans at University of Calgary and Virginia Tech (funders: ConocoPhillips, CNOOC/Nexen, Equinor, BHP Billiton, Repsol, Petrobras) total = \$1,048,584 (subcontract = \$251,100).
- 2018 “Building a Virtual Reality Prototype Platform for use in Warner College of Natural Resources”, **PI: Dr. Lisa Stright**, co-PI Dr. Fassnacht, CSU OVRP, \$20,000.
- 2016-2019 “CSS Phase 2: Architectural Analysis and Modeling of Slope Reservoirs”, **PI of subcontract at CSU: Dr. Lisa Stright**; equal co-director in JIP with Drs. Stephen Hubbard and Brian Romans at University of Calgary and Virginia Tech (funders: ConocoPhillips, Statoil, Shell, Hess, Talisman, BHP, Nexen, Repsol, Anadarko) total = \$1,786,169 (subcontract = \$338,942).
Funders: ConocoPhillips, Statoil, Shell, Hess, Talisman, BHP, Nexen, Repsol, Anadarko
- 2013-2016 “CSS Phase 1: Architectural Analysis and Modeling of Slope Reservoirs”, **PI of subcontract at CSU: Dr. Lisa Stright**; equal co-director in JIP with Drs. Stephen Hubbard and Brian Romans

at University of Calgary and Virginia Tech (funders: Chevron, ConocoPhillips, Nexen, Statoil, Shell, Marathon, BHP, Talisman, Anadarko, Maersk, Hess, BP) total = \$2,087,500 (subcontract = \$475,500).

- 2015-2017 “Rocks2Models Straight Cliffs Formation Study Phase 2”, **PI of subcontract at CSU: Dr. Lisa Stright**; equal co-director of JIP with Dr. Johnson at University of Utah (funders: ConocoPhillips, Shell, Hess) total = \$450,000 (subcontract/50% = \$215,000)
- 2012-2014 “Rocks2Models Stright Cliffs Formation Study Phase 1”, **CoPI: Dr. Lisa Stright** and equal co-director of JIP with Dr. Johnson at University of Utah (funders: ConocoPhillips, Chevron, Shell, Statoil, Hess) total = \$750,000 (50% = \$375,000).
- 2012 “Williams Fork Consortium Phase VI Subcontract”, **PI: Dr. Lisa Stright**, University of Colorado, Boulder in collaboration with Dr. Matt Pranter \$15,000.
- 2014 “Digital Lithofacies Characterization of the Green River Formation, Eastern Utah”, PI: Dr. Paul Jewell; **CoPIs:** Drs. Birgenheier and **Dr. Lisa Stright**, 2014, Utah Geologic Survey Grant \$25,000.

TEACHING

Current Institution

Spring 2024	Data Visualization (<i>Seminar</i> , 1CR)
Spring 2024	Subsurface Geologic Reservoirs (3CR)
Fall 2023	GEOL344 Stratigraphy and Sedimentation (4CR)
Fall 2019, 2020, 2022, 2023	GEOL124 Geology of Natural Resources (3CR)
Spring 2019	Academic Probation Workshop (1 session, 1.5 hrs)
Spring 2018, 2019	GEOL540 Petrophysics and Well Logging (3CR)
Spring 2016, 2017	Petrophysics and Well Logging (<i>Experimental Course</i> , 2CR)
Spring 2021	GEOL548 Petroleum Geology (4CR)
Fall 2016, 2018	Petroleum Geology (<i>Experimental Course</i> , 3CR)
Spring 2016, Fall 2018	Deep-water Depositional Systems (<i>Seminar</i> , 1CR)
Fall 2017, 2019	Reservoir Characterization and Modeling (4CR)
Spring 2017, 2020	Advanced Petroleum Geology (<i>Seminar</i> , IBA, 2CR)
Spring 2020	Advanced Reservoir Modeling (<i>Seminar</i> , 1CR)
Spring 2018	Introduction to Petroleum Geosciences (<i>Seminar</i> , 1CR)

Fall 2015 semester teaching release, Fall 2021 – Spring 2022 Sabbatical

Spring 2023 – GEO Department Teaching Sabbatical

Previous Institution, University of Utah

Spring 2012-2015	Petroleum Industry Career Path (PCIP 2b), Petrophysics (1.5CR)
Spring 2013, 2015	Applied Geostatistics (3CR)
Fall 2011-2014	Petroleum Industry Career Path (PCIP 1b), Intro to Pet Geology (1.5CR)
Fall 2012, 2014	Reservoir Characterization and Modeling (3CR)
Spring 2012*, 2013*	Petroleum Industry Career Path Capstone (3CR)
Spring 2012	Petrel Software Training (1CR)
Fall 2011*	Natural Disasters (3CR)

Fall 2013 semester teaching release for maternity leave

** Co-taught with L. Birgenheier*

GRADUATE STUDENT ADVISING

Primary advisor role, current (Degrees are in Geology at CSU unless otherwise noted)

- C. Meirovitz Ph.D. University of Utah; "Characterization, modeling and fluid flow simulation of a deep-water channels: essential architectural elements, scales, and uncertainty."
Currently working full-time ExxonMobil, Houston, TX.
- P. Ronnau 3rd year M.S.; "Machine learning with sedimentary data."

Primary advisor role, graduated (Degrees are in Geology at CSU unless otherwise noted)

- L. C. Arenas 2nd year M.S.; "Surface-based modeling of 3D architectural elements controlled by near wellbore modeling"
- A. McCarthy M.S., 2022; "Outcrop characterization and modeling of tidally-influenced transgressive deposits, Straight Cliffs Fm., S. Utah." Post-grad placement/position Bering Exploration Company, Irvine, CA.
- A. Ruetten M.S., 2021; "Developing workflows for modeling seismic-scale channel complexes." Currently working for Apache Corporation, Houston, TX
- T. Langenkamp M.S., 2021; "Quantifying the information content of bed- to channel system-scale architecture in inverted seismic data." Currently working ExxonMobil, Houston, TX
- N. Vento M.S., 2020; "Can Machine Learning Help Predict Channel Stacking Patterns in Deep-Water Systems?" Post-grad placement/position at ExxonMobil, Houston, TX
- A. Nielson M.S., 2018: "Using synthetic seismic models of channelized deep-water slope deposits to inform stratigraphic interpretation and reservoir modeling." Post-grad placement/position at Noble Energy, Houston, TX
- C. Johnson M.S., 2017 University of Utah: "Reservoir characterization of tidally-influenced deposits in the Straight Cliffs Formations, Kaiparowits Plateau, Utah." Post-grad placement/position US Marines
- K. Dworsky M.S., 2015 University of Utah: "Subsurface to outcrop: Forward modeling, seismic acquisition, and outcrop ties, Kaiparowits Plateau, Utah". Post-grad placement/position USGS, Anchorage, AK.
- W. Benhallam M.S., 2015 University of Utah, ExxonMobil North African Scholar; "Development of metrics to test correlation of patterns in channel belt successions with shoreline trajectories". Post-grad placement/position Quantum Reservoir Impact, Houston, TX
- A. Turner M.S., 2014 University of Utah: "Outcrop-based predictive modeling of fluvial architecture, Straight Cliffs Formation, Southern Utah". Post-grad placement/position Chevron, Houston, TX.
- C. (Welker) Kubacki M.S., 2014, University of Utah Joint EGI/GG project: "Geologic controls on oil production from the Niobrara Formation, Silo Field, Laramie County, Wyoming". Post-grad placement/position Brian F. Smith and Assoc., San Diego, CA.
- A. Jackson M.S., 2014 University of Utah: "Geomodeling deep-water channel architecture and characterizing the effects of intra-channel heterogeneity on fluid flow in the Tres Pasos Formation, Magallanes Basin, Chile". Post-grad placement/position Anadarko, Denver, CO. Now at Fort Lewis College, Durango, CO.

Co-advisor role, graduated (Degrees are in Geology at CSU unless otherwise noted)

- C. Duncan B.S., 2014 University of Utah, Geology, co-advisor John Bartley on undergraduate research project: "Investigating metrics and statistical measures to compare

- polygonal features observed on Mars to similar terrestrial features". Post-grad placement/position Ph.D. candidate, University of Utah.
- M. Edward M.S., 2013, University of Utah, Geophysics, co-advisor David Chapman: "Geothermal resource potential in the Great Basin in Western Utah. Determining temperature at depth from surface temperature, surface heat flow, and modeled thermal conductivity at depth." Post-grad placement/position Chevron, Houston, TX.

Thesis/Dissertation committee member role, current

- J. Primus M.S., *in progress*, Colorado State University, Civil and Environmental Engineering, Primary Advisor: Dr. Chris Bareither, "The effects of soil structure on undrained and critical state strength based on deposition"
- I. Qurban Ph.D., *in progress*, Colorado State University, Civil and Environmental Engineering, Primary Advisor: Timothy Gates, "Finding Water Management Practices to Reduce Uranium Concentrations in Groundwater and Surface Water Systems in the Lower Arkansas River Valley, Colorado"

Thesis/Dissertation committee member role, graduated

- S. Fischer M.S., 2023, Colorado State University, Civil and Environmental Engineering, Primary Advisors: Dr. Niemann and Dr. Scalia, "Assessing the Influence of Model Inputs on Performance of the EMT+VS Soil Moisture Downscaling Model for a Large Foothills Region in Northern Colorado"
- K. Wickham M.S. (plan B), 2023, Colorado State University, Civil and Environmental Engineering, Primary Advisors: Dr. Niemann and Dr. Scalia, "Examining the potential topographic dependencies of soil textures in the mountains of Northern Colorado"
- M. Alkharisi Ph.D., 2021, Colorado State University, Civil Engineering, Primary Advisor: Paul Heyliger. "The Dynamic Behavior of Cable Structures"
- P. Nesbit Ph.D., 2020, University of Calgary, Geography, Primary Advisor: Chris Hugenholtz. "3D Geologic Mapping and Characterization Using Digital Outcrop Models Generated from Uninhabited Aerial Vehicles and Structure-from-Motion Photogrammetry"
- M. Potoczak Independent Study, 2020, Colorado State University, MNSE (MS of Natural Sciences for Educators), Primary Advisor: Sean Bryan. "Energetics Unit or Elective Class for 8th Grade Science"
- S. Iwuoha Ph.D., 2019, University of Calgary, Geology, Primary Advisor: Per Pederson. "Three-Dimensional Geological Characterization and Modeling of Fine-Grained Petroleum Reservoirs: An Evaluation of the Montney Formation in Westcentral Alberta and Bakken Formation in Southeastern Saskatchewan, Canada"
- A. Novak Ph.D., 2019, Colorado State University, Geosciences, Primary Advisor: Sven Egenoff. "Paleozoic facies architecture in low-inclined carbonate and mixed carbonate-siliciclastic sedimentary systems: depositional and tectonic signatures"
- M. Irfaee M.S., 2019, Colorado State University, Civil Engineering, Primary Advisor: Hussam Mahmoud, effect of mixed-mode loading on fatigue and fracture Assessment of a steel twin box-girder bridge."
- A. Koch M.S., 2018, University of Utah, Geology, Primary advisor: Cari Johnson, "Statistical characterization of fluvial stratigraphic architecture of the Straight Cliffs formation, late Cretaceous Western Interior Basin, Utah, USA"
- A. Deblack M.S., 2018, Colorado State University, Civil Engineering, Primary Advisor: Chris Bareither: "A finite element analysis of flexible debris-flow barriers"

- D. Wheatley Ph.D., 2018, University of Utah, Primary Advisor: Marjorie Chan, "Soft Sediment Deformation and Injectites of the Jurassic Carmel Formation, Southern Utah"
- R. Purcell M.S., 2017, University of Utah, Primary Advisor: Cari Johnson "Reservoir Facies Characterization and LiDAR Model of a Mixed-Energy Estuarine-Tidal Succession, Cretaceous Straight Cliffs Formation, Southern Utah"
- J. Mulhern Ph.D., 2017, University of Utah, Primary Advisor: Cari Johnson, "Documentation and correlation of complex marginal marine environments in a dramatically expanded JHM section with emphasis on transgressive tidal-estuarine facies"
- B. Bai Ph.D., 2016, Colorado State University, Civil Engineer, Primary Advisor: Ken Carlson: "Modeling of Wastewater Volume from Unconventional Oil and Gas Fields in Northern Wattenberg Field, and Evaluation of Low Salinity Waterflood Enhanced Oil Recovery on Shale Wells"
- O. Kendigelen M.S. 2016, Colorado State University, Geology, Primary Advisor: Sven Egenhoff: "Facies Distribution, Its Implications for Climate Signals, And Hydrocarbon Potential Of The Permian Lyons Sandstone, Front Range Basin, Northern Colorado, USA"
- T. Sato M.S., 2016, University of Utah, Geology, Primary Advisor: Margorie Chan, "Fluvial-lacustrine sequence stratigraphy, source-to-sink system, ichnology, and sandstone reservoir characterization of the Tertiary Uinta and Duchesne River Formation, Northern Uinta Basin, Utah"
- S. J. Lee Ph.D., 2014, University of Utah, Civil Engineering, Primary Advisor: Brian McPherson: "Inverse methods and optimization for detecting 'leaky' features in the subsurface"
- C. Bataille Ph.D. 2014, University of Utah, Geology, Primary Advisor: Gabe Bowen: "Predictive models for strontium isotope distribution in bedrock, water and environmental materials for regional provenance studies"
- B. Chentnik M.S., 2014, University of Utah, Geology, Primary Advisor: Cari Johnson, "Stratigraphic evaluation of incised valleys in the Cretaceous Straight Cliffs Formation, Southern Utah"
- M. Goernc M.S., 2014, University of Utah, Geology, Primary Advisor: Margorie Chan, "Hydrocarbon migration and concretion formation in the Permian White Rim Sandstone; implications for reservoir characterization of carbon capture and sequestration"
- T. Szwarc M.S., 2013, University of Utah, Geology, Primary Advisor: Cari Johnson, "Interactions between axial and transverse drainage systems in the Late Cretaceous Cordilleran foreland basin: evidence from detrital zircons in the Straight Cliffs Formation, Southern Utah"
- P. Dooling M.S., 2012, University of Utah, Geology, Primary Advisor: Cari Johnson, "Tidal facies, stratigraphic architecture, and along-strike variability of a high energy, transgressive shoreline, Late Cretaceous, Kaiparowits Plateau, Southern Utah."
- L. Pettinga M.S., 2012, University of Utah, Geology, Primary Advisor: Cari Johnson, "Alluvial Architecture and Paleomorphodynamics of the Upper Cretaceous John Henry Member, Straight Cliffs Fm., Utah."

UNDERGRADUATE STUDENT ADVISING

Undergraduate Student Advising, graduated

- W. Fabrocini B.S. 2022, "Using online 3D GIS platforms to share digital outcrop models in the Fort Collins area."

- C. Quiroz B.S. 2019, "Creating a virtual field stop experience with photogrammetric models in Virtual Reality space."
- E. Rau B.S. 2017, Undergraduate Honors Thesis in Geophysics: "Impact of multi-scale heterogeneity on seismic amplitude tuning in deep-water channel deposits."
- R. Hillier B.S. 2013, University of Utah, UROP Undergraduate Research project: "Evaluate TOC calculated from well logs and their spatial distribution to analyze oil and gas production potential from shales in South America."

MISCELLANEOUS STUDENT-FOCUSED AWARDS

- 2022 Sustainability Curriculum Innovation Grant Recipients
Bryan, Gallen, Ronayne, Stright
Award \$10,000 (\$2000 my part)
- 2016, 2017, 2018 Graduate School Student Recruitment Mini-Grant
Award \$500/year (\$1500 total)
- 2019 Graduate School Exploring Career Opportunities for Graduate Students
Award \$1000
- 2017, 2018 Facilitated Corporate donation for the CSU AAPG Student Chapter
Award \$2000/year (\$4000 Total)
- 2017 Facilitated an Alumni Donation for Career Development in Petroleum Geosciences
Award \$10,000
- 2012, 2014 University Teaching Assistantship Utah, Faculty co-Mentor
Award \$15,000
- 2013 Undergraduate Research Opportunities Program
Summary: B.S. Student Ryan Hillier received this grant to expand a well-known logging method that he used while on an EGI project

AWARDS AND HONORS

Personal Awards

- 2019 CSU Career Center Distinguished Faculty Member Career Impact Award *Nominee*, CSU
- 2018-2019 American Association of Petroleum Geologists Distinguished Lecturer
- 2017 WCNR Dean's Award for Excellence to an Early Career Faculty Member, CSU
- 2014 Outstanding Teaching Award, University of Utah
- 2014 Co-Advisor to the University of Utah AAPG Imperial Barrel Award Team, 2nd place in the Rocky Mountain Regionals
- 2013 Co-Advisor to the University of Utah AAPG Imperial Barrel Award Team, 1st place in the Rocky Mountain Regionals and 1st place in the International Competition
- 2010 First Place in the AAPG International Student Paper Contest
- 2010 Schlumberger Fellow, Stanford University
- 2008 W.F. Detert Fellowship
- 2008 Centennial Teaching Assistant Award in the School of Earth Sciences

2008	Top 10 Oral Presentations of AAPG
2006	Mannon Family Fellowship
2006	First Place Paper in the Western Region and International SPE Student Paper Contest
2003	VeritasDGC Executive Mentoring Program
2001	VeritasDGC Leadership Program

Advisee awards

2022	OSU 2022 Tech fest, 1 st place <u>Karelia La Marca, PhD Student</u>
2020	Geosciences Advisory Committee – Student Poster Session Awardee (<u>Teresa Langenkamp, MS student, 2nd place; Andrew Ruetten MS student, 3rd place</u>)
2016	Outstanding Student Paper Award (<u>Adam Nielson, MS student</u>), American Geophysical Union, San Francisco, CA
2016	2nd Place Student Poster Competition (<u>Adam Nielson, MS student</u>), Rocky Mountain Rendezvous, Laramie, WY
2016	1st Place Student Poster Contest (<u>Casey Meirovitz, PhD student</u>), American Association of Petroleum Geologists, Calgary, Canada
2014	U of U Departmental Award for Outstanding undergraduate research (<u>Casey Duncan, BS Student</u>)
2014	U of U poster symposium (<u>Allison Jackson, MS student</u>), 2nd place poster award
2013	U of U Departmental Award for Outstanding undergraduate research (<u>Ryan Hillier, BS Student</u>)

INVITED PRESENTATIONS

23. **Stright, L.** 2021, The impact of bed- to geobody-architecture on reservoir prediction: Hypothesis-based modeling in a deep-water depositional environment, Quantitative Clastics Laboratory, University of Texas Austin.
22. **Stright, L.**, 2021, The impact of bed- to geobody-architecture on reservoir prediction: Hypothesis-based modeling in a deep-water depositional environment, Occidental Petroleum guest lecture for the Petrophysics working group.
21. **Stright, L.**, 2021, The impact of bed- to geobody-architecture on reservoir prediction: Hypothesis-based modeling in a deep-water depositional environment, AAPG Latin American Section Meeting.
20. **Stright, L.**, 2019, The impact of bed- to geobody-architecture on reservoir prediction: Hypothesis-based modeling in a deep-water depositional environment, “AAPG Distinguished Lecturers” session at the Geologic Society of America Annual Meeting, September 24-26, Phoenix, AZ
- 15-19. **Stright, L.**, 2018-2019, Template-based modeling: Bridging the gap between quantitative outcrop studies and subsurface reservoir characterization, American Association of Petroleum Geologists, Virtual Distinguished Lecturer.

Online Virtual Lecture Video Views: 1428 total, 170 unique

Realtime Virtual Lectures:

19. AAPG Latin American and Caribbean Region Presentation, Feb 1, 2021
18. Schlumberger, international office broadcast, October 1

17. Rocky Mountain Section, Society of Sedimentary Geology (SEPM), Denver, CO, June 4
16. Illinois State Geologic Survey, Virtual Talk, April 22
15. University of Kansas, Lawrence, KS, April 18
14. **Stright, L.**, 2019, Recent Advances and Ongoing Challenges in Reservoir Modeling, University of Colorado Colloquium, Boulder, CO, January 23.
13. **Stright, L.**, 2018, The impact of bed- to geobody-architecture on subsurface reservoir modeling: Testing hypotheses based on deep-water channel outcrops, Canadian Society of Petroleum Geologists, Closing the Gap III: Advances in Applied Geomodeling for Hydrocarbon Reservoirs, October 8-11, Lake Louise, Canada.
12. **Stright, L.**, 2018, The impact of bed- to geobody-architecture on subsurface reservoir modeling: Testing hypotheses based on deep-water channel outcrops, Canadian Society of Petroleum Geologists, Closing the Gap III: Advances in Applied Geomodeling for Hydrocarbon Reservoirs, School of Energy Resources: Energy Speaker Series, University of Wyoming, September 14.
11. **Stright, L.**, 2017, Modeling submarine channel deposits aided by modern seafloor and outcrop analogs, Northern Colorado Geologists.
10. **Stright, L.**, 2017, Characterization and modeling of deep-water slope channels using digital outcrop data, Colorado School of Mines, Van Tuyl Distinguished Lecturer, Golden, CO.
9. **Stright, L.**, Reimchen, A., Southern, S., Hubbard, S.M., Meirovitz, C., and Romans, B., 2016, Modeling submarine channel deposits aided by modern seafloor and outcrop analogs, Geologic Society of America, September 25-28, Denver, Colorado.
8. **Stright, L.**, 2016, UAS Photogrammetry to Create 3D Models of Outcrop, GeoDRONEology Short Course at NGWA, April 24, Denver, Colorado.
7. **Stright, L.**, 2016, Characterization and modeling of deep-water slope channels using digital outcrop data, University of Wyoming Distinguished Lecturer, April 4, Laramie, Wyoming.
6. **Stright, L.**, 2015, Bridging the gap between sedimentary geology and seismic stratigraphy, Colorado School of Mines Department of Geophysics Heiland Lecture, November 12, Golden, Colorado.
5. **Stright, L.**, 2015, Petroleum Geology 101, Natural Gas Symposium, Center for the New Energy Economy, Colorado State University, October 27, Fort Collins, CO.
4. **Stright, L.**, 2014, Digital outcrop models: Cutting edge tools, techniques and applications, Canadian Society of Petroleum Geologists, Closing the Gap II: Advances in Applied Geomodeling for Hydrocarbon Reservoirs, September 20-22, Banff, Canada.
3. **Stright, L.**, 2012, Outcrop and subsurface modeling of deep-water channel deposits: from the subsurface of the Molasse Basin in Austria to the outcrops of the Magallanes Basin in Southern Chile, Brigham Young University, January, 2012.
2. **Stright, L.**, 2012, Outcrop and subsurface modeling of deep-water channel deposits: from the subsurface of the Molasse Basin in Austria to the outcrops of the Magallanes Basin in Southern Chile, Utah State University, April, 2012.

1. **Stright, L.**, 2011, Predicting sub-seismic scale facies from multiple seismic attributes and a conceptual sedimentologic model: A closed loop workflow, Canadian Society of Petroleum Geologists, Closing the Gap: Advances in Applied Geomodeling for Hydrocarbon Reservoirs.

MEDIA COVERAGE

3. December 2018, 'Energy Insights' 2018-19 Updated Distinguished Lecture program announced, AAPG Explorer, <https://explorer.aapg.org/story/articleid/50084/aposenergy-insightsapos-2018-19>
2. June-July 2016, Quantifying Reservoir Performance for Deepwater Slope Channel Deposits, GeoExpro Vol. 13, No. 4 – 2016, <https://www.geoexpro.com/articles/2016/09/quantifying-reservoir-performance-for-deepwater-slope-channel-deposits>
1. July 2013: SPOTLIGHT ON - Department-wide effort, Utah Won as a Team, American Association of Petroleum Geologists Explorer, https://explorer.aapg.org/story/articleid/2532/utah-team-wins-iba?utm_medium=website&utm_source=explorer_issue_page

EDITORIAL SERVICE

Review/editorial boards (each assignment handles 1-3 papers/year)

2011-2019	Associate Editor Bulletin of Canadian Petroleum Geology
2014-2017, 2019-2022	Associate Editor AAPG/SEG Interpretation
2020-2022	Editorial Board of Petroleum Geoscience

Grant Refereeing

- 2014 ACS-PRF Doctoral New Investigator Proposal
- 2019 ACS-PRF New Directions
- 2019 NSF Division of Earth Sciences Geoinformatics Program (EAR/GI), Catalytic Track

Manuscript Refereeing (number of manuscripts) ~2 manuscripts/year

- 2011-2020: Bulletin of Canadian Petroleum Geology (2), AAPG Bulletin (2), Mathematical Geosciences (1), Geology (1), Interpretation (2), Petroleum Geosciences, (2), Marine and Petroleum Geology (3), Computers and Geosciences (2), Journal of Sedimentary Research (1)
- 2011, 2013, 2016, 2017, 2018 Reviewer of AAPG Abstracts for the Annual Convention and Exhibition (typically 50-100 abstracts)

EXTERNAL SERVICE

Indicate invited presentations and workshops with an asterisk (*).

- 2022 AAPG Rocky Mountain Section, Technical Program Chair
- 2019 “The Digital Transformation in the Geosciences” at AAPG Annual Convention & Exhibition, **Invited chair***, San Antonio, TX, May 19-22, 2019.
- 2019 PROGRESS (PROmoting Geoscience Research, Education and Success) invited Guest Speaker, “Pathways to the geosciences: professional and personal”
- 2018 “Advances in Applied Geomodeling for Hydrocarbon Reservoirs: Integrating Geology in Geomodeling” at Gussow Conference: Closing the Gap III, **Convener***, Lake Louise, Canada, October 8-11, 2018.

- 2018 "Advances in Data Analysis and Reservoir Modeling Approaches" SEPM Deepwater research group meeting at AAPG Annual Convention & Exhibition, **Invited Panelist***, Salt Lake City, UT, May 20-23, 2018.
- 2018 "Capturing and evaluating the impact of sedimentological heterogeneity in reservoir models", at AAPG Annual Convention & Exhibition, **Invited Chair***, Salt Lake City, UT, May 20-23, 2018.
- 2016-2017 PROGRESS (PROmoting Geoscience Research, Education and Success) Mentor
- 2015, 2016 PROGRESS (PROmoting Geoscience Research, Education and Success) Guest Speaker, "The day in the life of a geoscientist"
- 2016 "From Rocks to Models: Geologic Reservoir Characterization and Modeling", 2-day short course co-instructor with Dr. Matt Pranter (University of Oklahoma), AAPG Annual Convention & Exhibition, **Short Course co-instructor**, Calgary, Alberta, CA, June 20-22, 2016.
- 2015 "Characterization and Modeling of Unconventional Resources", AAPG Annual Convention & Exhibition, **Convener***, Denver, CO, May 6-9, 2015.
- 2014 "Outcrops, Stratigraphy, and Geomodeling", Gussow Conference Closing the Gap II: Advances in Applied Geomodeling for Hydrocarbon Reservoirs, **Convener***, Banff, Canada, September 22-24, 2014.
- 2012 "Innovations in Modeling Approaches for Stratigraphic Characterization and Prediction", AAPG Annual Convention & Exhibition, **Invited Chair***, April 21-22, 2012.
- 2012 "Sedimentology, Facies Architecture, & Seismic Modeling of Channelized Deep-Water Systems: La Jolla, California (PSAAPG)", AAPG Annual Convention & Exhibition, **Fieldtrip Co-Leader**, Long Beach, CA, April 21-22, 2012.

UNIVERSITY AND DEPARTMENT SERVICE

Current position

2023-present	SoGES Curriculum Committee
2022	Dept of Ecosystem Science and Sustainability Water Resources Search Committee
2022-present	Geosciences Department Curriculum Committee
Summer 2022	Geosciences Department Sedimentary Geology Instructor Search Committee
2021-present	Geosciences Department Sedimentary Geology Search Committee
2020-2022	Faculty Council Committee on Strategic and Financial Planning (CoSFP)
2019-2021	Warner College IT Committee Chair
2019-present	Geosciences Departmental IT Committee Chair
2019-2020	Advising Students on Academic Probation
2017-present	Alumni Affairs Committee
2018	Organizing Committee for the Dr. Frank Ethridge Symposium
2016-2018	Graduate Affairs Committee
Summer 2016	IT Staff Search Committee member
2015-present	College of Natural Resources, Computer IT Committee
2018-present	Primary Advisor AAPG Student Chapter
2015-2018	Co-Advisor AAPG Student Chapter

Previous position

2014-2015 University Committee on Community & Government Relations, University of Utah
Spring 2015 DLS co-Chair, Department of Geology and Geophysics, University of Utah
2011-2015 Petroleum Industry Career Path (PICP) Organizing Committee
2011-2015 Various additional internal committees (Computing, Space)
Served on two job search committees: Geological Engineering and Exploration
Geophysics

PROFESSIONAL DEVELOPMENT

2022 LinkedIn Learning Classes: R (R, RStudio, Rshiny); Javascript; Database Design and Management (SQL, Microsoft SQL Server Management, Amazon Web Services); Dashboards and Data Stories (PowerBI)
2020 Earth Educators Rendezvous: The Whys and How's of Implementing Virtual and Augmented Reality in Earth Science Classrooms Workshop
2020 CSU Online Designing Your Online Course
2020 CSU TILT Adjusting RI Lectures and Active Teaching to Online and Hybrid Delivery
2019 CSU TILT Instructor Training Workshops: Teaching Strategies and iClickers
2019 WCNR – Mentoring Workshop
2012 SERC – Early Career Geoscience Faculty Conference
2011 University of Utah, CTLE Critical Thinking Seminar
2011 SERC - Webinar: Climate Change Risk in an Unknowable Future
2011 SERC - Online Tutorial: designing effective and Innovative courses in the Geosciences
2011 AAPG eSymposium: Connectivity in Fluvial Systems

PROFESSIONAL SOCIETIES

American Association of Petroleum Geologists (AAPG)
Geologic Society of America (GSA)
Rocky Mountain Association of Geologists (RMAG)
Periodic membership in the Society of Exploration Geophysicists (SEG), European Association of Geologists and Engineers (EAGE), International Association of Mathematical Geologists (IAMG), Society of Sedimentary Geology (SEPM) and Society of Petroleum Engineers (SPE)

PROFESSIONAL CERTIFICATIONS

Engineer in Training EIT, 1995 (now called the Fundamentals of Engineering, FE)

PUBLICATIONS**Published in Peer Reviewed Journals**

(Note: *denotes graduate-student advisee, underline graduate-student of multi-institution Chile Slope Systems and Rocks2Models grants, or from a collaboration with another research group)

24. Daniels, B. D., Hubbard, S. M., Stright, L., Romans, B. W., *in review*, Downslope variability in deep-water slope channel fill facies and stacking pattern. To be submitted to Marine and Petroleum Geology.

23. *La Marca, K., Bedle, H., Stright, L. and Marfurt, K., *in review*, Uncertainty Assessment In Unsupervised Machine Learning Methods for Deepwater Channel Seismic Facies Using Outcrop-Derived 3D Models and Synthetic Seismic Data, Interpretation.
22. *La Marca, K., Bedle, H., Stright, L., Ballinas, M., and Marfurt, K., *in press*, Understanding Uncertainty in Deepwater Channel Seismic Facies Classification Using Random Forest: Advantages of Outcrop Constrained 3D Models and Synthetic Seismic Data, The Leading Edge.
21. *Kaempfe-Droguett, S.A., Romans, B.W., Hubbard, S.M., *Daniels, B.G., and Stright, L., *in press*, Stacking pattern transition caused by submarine channel inception and internal levee development, Tres Pasos Formation, southern Chile: Sedimentology
20. *Englert, R.G., Hubbard, S.M., Romans, B.W., Kaempfe, S.A., *Bell, D., *Nesbit, P.R., and Stright, L., *in press*, Flow dynamics as Froude-supercritical turbidity currents encounter meter-scale slope minibasin topography: The Depositional Record
19. *La Marca, K., Bedle, H., Stright, L. and Marfurt, K., 2023. Sensitivity analysis of seismic attributes parametrization to reduce misinterpretations: Applications to deepwater channel complexes. *Marine and Petroleum Geology*, 153, p.106309.
18. Jaiswal, P., Grana, D., **Stright, L.**, Daigle, H., Pashin, J. and Dupuy, B., 2022. Developments in reservoir characterization for carbon dioxide sequestration. *Frontiers in Earth Science*, 10, p.1028220.
17. Jobe, Z.R., Howes, N., Martin, J., Meyer, R., Coutts, D., Hou, P., **Stright, L.** and Laugier, F., 2021. Sedimentary graphic logs: A template for description and a toolkit for digitalization. *The Sedimentary Record*, 19(3), pp.15-29.
16. Meirovitz, C.*, **Stright, L.**, Hubbard, S.M., 2021, The Influence of Inter- and Intra-channel Architecture on Deep-water Turbidite Reservoir Performance. *Petroleum Geosciences*. <https://doi.org/10.1144/petgeo2020-005>
15. Koch, A., Johnson, C. L., and **Stright, L.**, 2019, Does Fluvial Channel Belt Clustering Predict Net-to-Gross? An Outcrop-Based Analysis of Point Patterns and Architectural Metrics, *Journal of Sedimentary Research*, v. 89, pp. 1109-1126. DOI: <http://dx.doi.org/10.2110/jsr.2019.60>
14. Jackson, A.*, **Stright, L.**, Hubbard, S. M., and Romans, B. W., 2019, Static reservoir connectivity amongst stacked deep-water channel fills constrained by a high-resolution digital outcrop models, Tres Pasos Formation, Magallanes Basin, Chilean Patagonia, *AAPG Bulletin*, v. 203, n. 12, pp. 2934-2973. DOI: 10.1306/03061917346
13. Pemberton, E.A., **Stright, L.**, Fletcher, S. and Hubbard, S.M., 2018. The Influence of Stratigraphic Architecture on Seismic Response: Reflectivity Modeling of Outcropping Deep-Water Channel Units. *Interpretation*, v. 6 n. 3, pp.1-80. DOI: 10.1190/INT-2017-0170.1
12. Daniels, D. G., Auchter, N. C., Hubbard, S. M., Romans, B. W., Matthews, W. A., and **Stright, L.**, 2018, The Timing of Deep-Water Slope Evolution Constrained by Large-n Detrital and Volcanic Ash Zircon Geochronology, Cretaceous Magallanes Basin, Chile, *GSA Bulletin*, v. 130, n. 3-4, pp. 438-454. DOI: 10.1130/B31757.1
11. **Stright, L.**, Jobe, Z., Fosdick, J.C. and 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, pp.79-94. DOI: 10.1016/j.marpetgeo.2017.05.004

10. Benhallam, W.*, Turner, A.*, **Stright, L.**, and Johnson, C.L., 2016, Spatial analysis of channel-belt stacking patterns: Metrics to discriminate between local and regional controls on deposition in the fluvial John Henry Member of the Straight Cliffs Formation, southern Utah, *Journal of Sedimentary Research*, v. 86, n. 11, pp. 1310-1327. DOI: 10.2110/jsr.2016.77
9. Reimchen, A., Hubbard, S.A., **Stright, L.**, and Romans, B. W., 2016, Using Sea-Floor Morphometrics to Constrain Stratigraphic Models of Sinuous Submarine Channel Systems, *Marine and Petroleum Geology*, v. 77, pp. 92-115. DOI: 10.1016/j.marpetgeo.2016.06.003
8. Johnson, C.L., **Stright, L.**, Purcell, R., Durkin, P., 2016, Stratigraphic evolution of an estuarine fill succession, and reservoir characterization of inclined heterolithic strata, Cretaceous of southern Utah, USA, *Sedimentology of Paralic Reservoirs: Recent Advances*, Geological Society of London Special Volume, v. 444, pp. 251-286. DOI: 10.1144/SP444.1
7. Pemberton, E.A., Hubbard, S.M., Fildani, A., Romans, B. W. and **Stright, L.**, 2016. The stratigraphic expression of decreasing confinement along a deep-water sediment routing system: Outcrop example from southern Chile. *Geosphere*, v. 12, n. 1, pp.114-134. DOI: 10.1130/GES01233.1
6. Chentnik, B. M., Johnson, C., Mulhern, J., and **Stright, L.**, 2015, Valleys, estuaries, and lagoons: paleoenvironments and regressive-transgressive architecture of the upper Cretaceous Straight Cliffs Formation, *Journal of Sedimentary Research*, v. 85, n. 10, 1166-1196. DOI: 10.2110/jsr.2015.70
5. Szwarc, T. S., Johnson, C.L., **Stright, L.**, and McFarlane, C. M., 2015, Interactions between axial and transverse drainage systems in the Late Cretaceous Cordilleran foreland basin: evidence from detrital zircons in the Straight Cliffs Formation, Southern Utah, USA, *GSA Bulletin*, v. 127, n. 3-4, 372-392. DOI: 10.1130/B31039.1
4. **Stright, L.**, J. Stewart, K. Champion, and M. Farrell, 2013b, Geologic and Seismic Modeling of a West African Deep-water Reservoir Analog (Black's Beach, La Jolla, CA.), *AAPG Bulletin*, v. 98, n. 4, p. 695-728. DOI:10.1306/09121312211
3. **Stright, L.**, Bernhardt, A., and Boucher, A., 2013a, Geostatistically modeling topographically-controlled deposition of sub-seismic scale sandstone packages within a mass transport dominated deep-water channel belt, *Mathematical Geosciences*, v. 45, n. 3, pp 277-296. DOI: 10.1007/s11004-013-9444-7
2. Bernhardt, A., **Stright, L.**, and Lowe, D. L., 2012, Channelized debris flow deposits and their impact on turbidity currents: the Puchkirchen axial channel belt in the Austrian Molasse Basin, *Sedimentology*, v. 59, n. 7, 2042-2070. DOI: 10.1111/j.1365-3091.2012.01334.x.
1. Armitage, D.A. and **Stright, L.**, 2010, Modeling and interpreting the seismic-reflection expression of sandstone in an ancient mass-transport deposit dominated deep-water slope environment: *Marine and Petroleum Geology*, v. 27, p. 1-12, DOI: <http://dx.doi.org/10.1016/j.marpetgeo.2009.08.013>.

Refereed Proceedings/Transactions

3. **Stright, L.**, 2019, Ingredients to a technical paper: A professor's advice about writing. *Interpretation*, v. 7, n. 4, pp 1N. <https://doi.org/10.1190/INT-2019-1015-FE.1>

2. Grana, D., **Stright, L.**, Connolly, P., Gutierrez, M., Gonzalez, E., Florez, J.M., del Monte, A.A. and Trainor-Guitton, W., 2016. Introduction to special section: Seismic facies classification and modeling. Interpretation, v. 4, n. 3, pp.SLi-SLi. DOI: 10.1190/INT-2016-0612-SPSEINTRO.1
1. **Stright, L.**, Bernhardt, A., Boucher, A.; Mukerji, T., 2009, Revisiting the use of Seismic Attributes as Soft Data for Sub-Seismic Facies Prediction: Proportions vs. Probabilities, The Leading Edge v. 28, n. 12 p. 1460-1469. Invited Paper. DOI: 10.1190/1.3272701

Non-Refereed Journal Articles/Chapters/Proceedings/Transactions:

(Note: *denotes graduate-student advisee, underline denotes graduate-student of multi-institution Chile Slope Systems and Rocks2Models grants)

8. Meirovitz, C.D.*, **Stright, L.**, Hubbard, S.M. and Romans, B., 2016. The influence of intra-and inter-channel architecture in selecting optimal gridding for field-scale reservoir simulation. AAPG Search and Discovery, 90259.
7. **Stright, L.** and Hillier, R.* 2015. Optimization of the $\Delta\log R$ parameters for predicting TOC in the Mancos Shale, Uinta Basin, In Resselar, R., Birgenheier, L.P., 2015, Cretaceous Mancos Shale Uinta Basin, Utah: Resource potential and best practices for an emerging shale gas play, Utah Geological Survey Miscellaneous Publication, Research Partnership to Secure Energy for America/ U.S. Department of Energy subcontract no. 09122-07, 645 p.
6. Welker, C.*, **Stright, L.** and Anderson, T., 2013. Geologic controls on oil production from the Niobrara Formation, Silo field, Laramie County, Wyoming: AAPG Search and Discovery article 20216.
5. Welker, C.*, **Stright, L.** and Anderson, T., 2013, August. Geologic Controls on Oil Production from the Niobrara Formation, Silo Field, Laramie County, Wyoming. In Unconventional Resources Technology Conference (pp. 146-153). Society of Exploration Geophysicists, American Association of Petroleum Geologists, Society of Petroleum Engineers.
4. **Stright, L.**, Caers, J., Li, H., Van der Vlugt, F., Pirmez, Z. and Barton, M., 2006, May. Coupled geological modeling and history matching of fine-scale curvilinear flow barriers. In 19th SCRF Annual Meeting, Stanford Center for Reservoir Forecasting, May, Stanford.
3. **Stright, L.**, 2006, Modeling, Upscaling and History Matching Thin, Irregularly-Shaped Flow Barriers; A Comprehensive Approach for Predicting Reservoir Connectivity. In proceedings of the SPE Annual Technical Conference and Exhibition, 24-27 September, San Antonio, TX. SPE Paper 106528. *First Place in the SPE Western Region and SPE International Student Paper Contests*. DOI: 10.2118/106528-STU
2. **Stright, L.** and Caers, J., 2005, May. Re-addressing the missing scale using edges. In 18th SCRF Annual Meeting report, Stanford Center for Reservoir Forecasting, May, Stanford.
1. **Stright, L.** and Gierke, J.S., 1999, April. Modeling of oxygen mass transfer during biosparging. In proceedings of the In Situ and On-Site Bioremediation, Fifth International Symposium, April 19-22, 1999, in San Diego, CA. (pp. 19-22).

Monographs

Stright, L., 2011, Multiscale modeling of deep-water channel deposits: An interdisciplinary study integrating geostatistics, geology and geophysics; The Cretaceous Cerro Toro Formation, Southern

Chile, the Eocene Ardath & Scripps Formations, Southern California, and the Oligocene Puchkirchen Formation, Upper Austria, Ph.D. Thesis, Stanford University.

Stright, L., 2006, Coupled Geological Modeling and History Matching of Fine-Scale Curvilinear Flow Barriers and Large Scale Facies Bodies, M.S. Thesis, Stanford University.

Stright, L., 1999, Modeling Oxygen Mass Transfer Limitations During Biosparging, M.S. Thesis, Michigan Technological University.

Recent Abstracts

109. Daniels, B., Hubbard, S. M., Stright, L., and Romans, B. W., 2023, Downslope variability in deep-water slope channel fill facies and stacking patterns: implications for subsurface reservoir prediction and characterization. 2023 SEPM Bouma Conference.
108. Stright, L., 2023, Data Analytics and Machine Learning to Predict Sedimentary Architecture. Rocky Mountain Section AAPG, Denver, CO, June 2022.
107. Englert, R.G., Hubbard, S.M., Romans, B.W., Kaempfe, S.A., Nesbit, P.R., Bell, D. and **Stright, L.**, 2022, Flow processes and bed-scale characteristics associated with a fault-controlled intra-slope fan deposit, Tres Pasos Formation, Chile. Geoconvention, Calgary, Canada, June 20-22, 2022.
106. Ronnau, P., **Stright, L.**, Hubbard, S.M. and Romans, B.W., 2022, August. Machine-learning prediction of slope channel facies using outcrop analog data: Tres Pasos Formation, Magallanes Basin, Chile. In Second International Meeting for Applied Geoscience & Energy (pp. 3244-3248). Society of Exploration Geophysicists and American Association of Petroleum Geologists.
105. Arenas, L.C.E., Ronnau, P., **Stright, L.**, Hubbard, S. and Romans, B., 2022, November. Surface-based modeling of 3D architectural elements controlled by near-wellbore modeling. In SEG/AAPG International Meeting for Applied Geoscience & Energy. OnePetro.
104. La Marca, K., Bedle, H., **Stright, L.**, Pires de Lima, R. and Marfurt, K.J., 2022, November. Quantifying uncertainty in unsupervised machine learning methods for seismic facies using outcrop-derived 3D models and synthetic seismic data. In SEG/AAPG International Meeting for Applied Geoscience & Energy. OnePetro.
103. Langenkamp, T., **Stright, L.**, Hubbard, S. and Romans, B., 2021, October. Quantitatively Evaluating the Preservation of Deep-water Channel Architecture using 3D Synthetic Seismic from Outcrop. In SEG/AAPG 2021 (IMAGE21), Denver, CO.
102. La Marca, K., Marfurt, K., Bedle, H., **Stright, L.** and Langenkamp, T., 2021, September. Sensitivity analysis of seismic attributes parametrization for interpretation of a multi-story deepwater channel system: Tres Pasos Formation, Magallanes Basin Chile. SEG Technical Program Expanded Abstracts : 1191-1195.
101. La Marca, K., Marfurt, K., Bedle, H., **Stright, L.** and Langenkamp, T., 2021, September. Sensitivity analysis of seismic attributes parametrization for interpretation of a multi-story deepwater channel system: Tres Pasos Formation, Magallanes Basin Chile. In *First International Meeting for Applied Geoscience & Energy* (pp. 1191-1195). Society of Exploration Geophysicists.
100. Langenkamp, T., **Stright, L.**, Hubbard, S. and Romans, B., 2021, October. Quantitatively Evaluating the Preservation of Deep-water Channel Architecture using 3D Synthetic Seismic from Outcrop. In

- 82nd EAGE Annual Conference & Exhibition (Vol. 2021, No. 1, pp. 1-5). European Association of Geoscientists & Engineers.
99. La Marca, K. C., Bedle, H., Marfurt, K., **Stright, L.**, Pires de Lima, R., 2021, Using synthetic seismic data to quantify uncertainty in machine learning algorithms for seismic facies, EAGE Conference on Seismic Interpretation using AI Methods - Going Beyond Machine Learning, 12-13 October, 2021.
98. Langenkamp, T. R.*, **Stright, L.**, Bedle, H., Hubbard, S. M., and Romans, B. R., 2020, Quantifying Heterogeneity Preserved in Inverted Seismic Data: Implications for Reservoir Prediction and Geostatistical Modeling. In AAPG Annual Convention & Exhibition, Virtual, October 2020.
97. Vento, N. F. R.*, **Stright, L.**, Hubbard, S. M., and Romans, B. R., 2020, Can Machine Learning Help Predict Channel Stacking Patterns in Deep-Water Systems? In AAPG Annual Convention & Exhibition, Houston, TX, June 7-10, 2020 (Withdrawn due to Covid-19)
96. **Stright, L.** and Hudson, S. M., 2020, Teaching Student the Intersection Between Geosciences and Computers in an Interdisciplinary Reservoir Characterization and Modeling Course. In AAPG Annual Convention & Exhibition, Houston, TX, June 7-10, 2020 (Withdrawn due to Covid-19)
95. Ruetten, A.*, Meirovitz, C. D.*, **Stright, L.**, Hubbard, S. M., and Romans B. W., 2020, Evaluating the Impact of Hierarchical Deep-Water Slope Channel Architecture on Fluid Flow and Connectivity, Cretaceous Tres Pasos Formation, Chile. In AAPG Annual Convention & Exhibition, Houston, TX, June 7-10, 2020 (Withdrawn due to Covid-19)
94. **Stright, L.**, Vento, N. F. R.*, Ruetten, A.*, Langenkamp, T.*, Hubbard, S. M., Romans, B. R., 2020, Centerline-Based Modeling of 3-D Architectural Elements Conditioned to Near Wellbore Models. In AAPG Annual Convention & Exhibition, Houston, TX, June 7-10, 2020 (Withdrawn due to Covid-19)
93. Kaempfe-Drouguett, S., Romans, B. R., Hubbard, S. M., **Stright, L.**, Daniels, B. G., 2020, Early Stage Slope Channel-Fill Deposits Preserved at the Base of an Internal Levee Succession, Tres Pasos Formation, Chile. In AAPG Annual Convention & Exhibition, Houston, TX, June 7-10, 2020 (Withdrawn due to Covid-19)
92. Kaempfe, S., Romans, B., Hubbard, S.M., **Stright, L.**, Englert, R., Daniels, B., and Niquet, D., 2019, Synsedimentary Faulting Controls on Sandstone Distribution in an Incipient Slope System, Tres Pasos Formation, Southern Chile. In AAPG Annual Convention & Exhibition, San Antonio, TX, May 19-22, 2019.
91. Englert, R. G., Hubbard, S. M., Romans, B., Kaempfe, S. and **Stright, L.**, 2019, Sedimentologic and Stratigraphic Evidence for Flow Transformations as Turbidity Currents Encounter Intraslope Minibasins: Implications for Up-Dip Stratigraphic Traps from an Outcrop Analog. In AAPG Annual Convention & Exhibition, San Antonio, TX, May 19-22, 2019.
90. Daniels, B. G., Hubbard, S. M., **Stright, L.**, and Romans B. W., 2019, Downslope Variability in Deep-Water Slope Channel Fill and Stacking Patterns: Insights From Outcrop and Shallow Seismic Analogs. In AAPG Annual Convention & Exhibition, San Antonio, TX, May 19-22, 2019.
89. Hubbard, S., Romans, B.W., Southern, S., **Stright, L.**, Daniels, B.G., Fletcher, S., Jackson, A., Kaempfe, S.A., Macauley, R., Nielson, A. and Niquet, D., 2018, Core-and Log-Based Recognition Criteria for Deep-Water Channel Bodies: Using Outcrops to Inform Stratigraphic Architecture Predictions Beyond the Wellbore. In AAPG Annual Convention & Exhibition, Salt Lake City, UT, May 20-23, 2018.

88. Kaempfe, S.A., Romans, B.W., Hubbard, S., **Stright, L.** and Daniels, B.G., 2018, Characterization of a Seismic-Scale, Outcropping Channel-Levee Complex, Tres Pasos Formation, Southern Chile. In AAPG Annual Convention & Exhibition, Salt Lake City, UT, May 20-23, 2018.
87. Meirovitz, C.*, **Stright, L.**, Hubbard, S. and Romans, B.W., 2018, Impact of Channel-Fill Asymmetry in Field-Scale Dynamic Reservoir Performance Prediction for Deep-Water Channelized Turbidite Systems. In AAPG Annual Convention & Exhibition, Salt Lake City, UT, May 20-23, 2018.
86. Daniels, B.G., Southern, S., Kaempfe, S.A., **Stright, L.**, Romans, B.W. and Hubbard, S., 2018, Quantifying Longitudinal Changes in Deep-Water Slope Channel Fill Over a 40 km-long Segment of a Submarine Slope System, Cretaceous Tres Pasos Formation, Chile. In AAPG Annual Convention & Exhibition, Salt Lake City, UT, May 20-23, 2018.
85. McCarthy, A.L.*, **Stright, L.**, Durkin, P.R. and Hubbard, S., 2018, Geologically Realistic Fluvial Point Bar Geocellular Models: Conditioning Algorithms with Outcrop Statistics. In AAPG Annual Convention & Exhibition, Salt Lake City, UT, May 20-23, 2018.
84. **Stright, L.**, Durkin, P.R., Southern, S., Romans, B.W. and Hubbard, S., 2018, Synthesizing Outcrop Data to Develop Vertical Facies Proportion Curves That Capture the Internal Variability of Depositional Elements. In AAPG Annual Convention & Exhibition, Salt Lake City, UT, May 20-23, 2018.
83. Daniels, B. G., Hubbard, S. M., Romans, B. W. and **Stright, L.**, 2018, Downslope characterization of deep-water slope channel systems along a 40 km-long depositional dip-oriented outcrop belt, Cretaceous Tres Pasos Formation, Chile, International Sedimentological Conference (ISC), Quebec City, Canada, August 13-17, 2018.
82. Koch, A. R., Johnson, C. L., and **Stright, L.**, 2017, Spatial variation along depositional strike in a Cretaceous distributive (?) fluvial system: Combined digital terrain modeling, spatial point pattern analysis, and architectural characterization, southern Utah, USA, 11th International Conference on Fluvial Sedimentology, Calgary, Canada, July 17-21, 2017.
81. Meirovitz, C.*, **Stright, L.**, Johnson, C. L., 2017, Quantitative Outcrop Characterization of Incised Valley Fill Combining UAV-Based Photogrammetry and Traditional Geologic Field Methods, In AAPG Annual Convention & Exhibition, Houston, TX, April 3-5, 2017.
80. **Stright, L.**, Jackson, A.*, Southern, S., Meirovitz, C.*, Romans, B. R., Hubbard, S., 2017, Predicting 3-D Connectivity From Core and Seismic: An Example From Outcropping Deep-Water Slope Channels, In AAPG Annual Convention & Exhibition, Houston, TX, April 3-5, 2017.
79. Nielson, A.*, **Stright, L.**, Hubbard, S., and Romans, B., 2017, Using RMS Amplitudes Derived From Synthetic Forward Seismic Models of Channelized Deep-Water Slope Deposits to Inform Stratigraphic Interpretation, Tres Pasos Formation, Magallanes Basin, Chile, In AAPG Annual Convention & Exhibition, Houston, TX, April 3-5, 2017.
78. Koch, A. R., Johnson, C., and **Stright, L.**, 2017, Along-Strike Architectural and Sedimentologic Variation of a Distributive Fluvial System, Cretaceous Straight Cliffs Formation, Utah, In AAPG Annual Convention & Exhibition, Houston, TX, April 3-5, 2017.
77. Southern, S. J., **Stright, L.**, Jobe, Z. R., Romans, B., Hubbard, S., 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, In AAPG Annual Convention & Exhibition, Houston, TX, April 3-5, 2017.
76. Meirovitz, C.*, **Stright, L.**, Hubbard, S., and Romans, B., 2017, Optimal Gridding Selection for Field-Scale Reservoir Simulation of a Channelized Deep-Water System, In AAPG Annual Convention & Exhibition, Houston, TX, April 3-5, 2017.
75. **Stright, L.**, Johnson, C., Gallin, W., Dworsky, K.*, Johnson, C., and Vanorio, T., 2017, Facies-Specific Reservoir Rock Properties of a Back-Barrier Lagoon Deposit Interpreted From a Core-to-Outcrop Study in the Kaiparowits Plateau, In AAPG Annual Convention & Exhibition, Houston, TX, April 3-5, 2017.
74. Auchter, N. C., Romans, B., Southern, S. J., Daniels, B., **Stright, L.** and Hubbard, S., 2017, Stratigraphic Architecture of Bypass-Dominated Slope Channel Deposits, Tres Pasos Formation, Chilean Patagonia, In AAPG Annual Convention & Exhibition, Houston, TX, April 3-5, 2017.
73. Daniels, B., Hubbard, S., Romans, B., and **Stright, L.**, 2017, Deducing Reservoir Connectivity via Analysis of Slope Channel Fills Along a 35-km-long Longitudinal Transect of a Shelf Margin System, Tres Pasos Formation, Chile, In AAPG Annual Convention & Exhibition, Houston, TX, April 3-5, 2017.
72. Southern, S., Hubbard, S. M., **Stright, L.**, and Romans, B. R., 2016, The Stratigraphic Expression of Slope Channel Evolution: Insights from Qualitative and Quantitative Descriptions of the Cretaceous Tres Pasos Fm, Chile, Gussow 2016: Clastic Sedimentology: New Ideas and Applications, October 11-13, Banff Alberta, Canada.
71. Reimchen, A.P., Hubbard, S. M., **Stright, L.**, Romans, B. R., 2016, Improving Stratigraphic Models of Outcropping Slope Channel Fills Using Morphometrics From the Lucia Chica Channel System, Offshore Central California, In AAPG Annual Convention, Calgary, Alberta, CA, June 20-22, 2016.
70. Meirovitz, C. D., **Stright, L.**, Hubbard, S. M., Romans, B. R., 2016, The Influence of Intra- and Inter-Channel Architecture in Selecting Optimal Gridding for Field-Scale Reservoir Simulation, AAPG Annual Convention, Calgary, Alberta, CA, June 20-22, 2016. *Winner of student poster contest*
69. Romans, B. R., Auchter, N. C., Bernhardt, A., Covault, J., Daniels, B. G., Fildani, A., Fosdick, J., Hubbard, S. M., Jobe, Z. R., Malkowski, M., 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 Annual Convention, Calgary, Alberta, CA, June 20-22, 2016.
68. Nielson, A.*, **Stright, L.**, Hubbard, S. M., Romans, B.R., 2016, Using Synthetic Seismic Models of Channelized Deepwater Slope Deposits to Inform Stratigraphic Interpretation and Reservoir Modeling, AAPG Annual Convention, Calgary, Alberta, CA, June 20-22, 2016.
67. Jancuska, S., Romans, B. R., Auchter, N. C., Hubbard, S. M., **Stright, L.**, 2016, Evolution From Confined to Relatively Unconfined Strata in a Distal Slope Setting, Magallanes Basin, Chilean Patagonia, AAPG Annual Convention, Calgary, Alberta, CA, June 20-22, 2016.
66. Daniels, B. G., Auchter, N. C., Matthews, W., Hubbard, S. M., Romans, B. R., **Stright, L.**, 2016, The Evolution of Deepwater Slope Systems on Retroarc Foreland Basin Margins: Insights From Detrital Zircon Geochronology, Tres Pasos Formation, Magallanes Basin, Chile, AAPG Annual Convention, Calgary, Alberta, CA, June 20-22, 2016.

65. Auchter, N. C., Daniels, B. G., Hubbard, S. M., **Stright, L.**, Romans, B. R., 2016, Timing of Slope System Evolution and Intra-Basinal Sediment Recycling in the Magallanes Retroarc Foreland Basin (Chile) From Detrital Strontium Isotope Stratigraphy, AAPG Annual Convention, Calgary, Alberta, CA, June 20-22, 2016.
64. Johnson, C., **Stright, L.**, Johnson, C. L.*, Comer, J., Vanorio, T., 2016, Impacts of Depositional Processes on Reservoir Quality in Tidally-Influenced Lithofacies of the Upper Cretaceous John Henry Member, Straight Cliffs Formation, Southern Utah, AAPG Annual Convention, Calgary, Alberta, CA, June 20-22, 2016.
63. **Stright, L.**, Reimchen, A., Meirovitz, C. D., Hubbard, S.M., Romans, B.R, 2016, Modeling Sinuous Submarine Channel Deposits Aided by Modern Seafloor and Outcrop Analogs (Invited Presentation), GSA Annual Meeting, Denver, CO, September 26-28, 2016.
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An additional 48 from 1998-2014 are not listed here.