# JULIA S. REECE

*Assistant Professor*
*Department of Geology and Geophysics, Texas A&M University*
*TAMU MS 3115, College Station, TX 77843*
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## RESEARCH STATEMENT

My research interests include the mechanics and transport properties of mudrocks, subsurface pressures/ stresses, submarine slope failures, physical and chemical diagenesis as well as unconventional shale gas reservoirs. I use field samples and data and employ a suite of laboratory techniques including sedimentological and geotechnical experimentation (grain size, Atterberg Limits, uniaxial consolidation) and micro-scale imaging techniques (petrographic and scanning electron microscopy). I am currently conducting research in the Midland Basin (Spraberry and Wolfcamp Formations), Gulf of Mexico, and Nankai Trough offshore Japan.

## ACADEMIC APPOINTMENTS

| | |
|---|---|
| 2014 – present | **Assistant Professor**, Dept. of Geology and Geophysics, Texas A&M University |
| 2013 – 2014 | **Postdoctoral Scholar,** Dept. of Geophysics, Stanford University |
| 2012 – 2013 | **Postdoctoral Fellow**, Bureau of Economic Geology, The University of Texas at Austin |
| 2006 – 2011 | **Graduate Research and Teaching Assistant**, Jackson School of Geosciences, The University of Texas at Austin |
| 2007 | Summer Intern, Shell International Exploration and Production, Inc., Houston, TX |
| 2004 – 2006 | **Graduate Student Assistant**, Department of Geosciences, University of Bremen |
| 2001 – 2004 | **Undergraduate Student Assistant**, Department of Geosciences, University of Bremen |

## EDUCATION

| | | |
|---|---|---|
| 2011 | *Ph.D. Geosciences* | The University of Texas at Austin |
| 2006 | *Diplom (M.S.) Geosciences* | University of Bremen, Bremen, Germany |
| 2004 | *B.S. Geosciences* | University of Bremen, Bremen, Germany |

## FUNDED RESEARCH

### Current

**Texas A&M Triads for Transformation Grant, 2020 - 2022**
*Geomaterial characterization of lunar simulants with agglutinate particles*
Principal Lead proponent: **Julia Reece**; Co-proponents: Bjorn Birgisson, Youjun Deng
**Total award: $30,000**

**American Chemical Society, Petroleum Research Fund Doctoral New Investigator, 2015 - 2019**
*Effects of microbial activity on mechanical and transport properties of mudstones*
Principal Investigator: **Julia Reece** (TAMU); Collaborator: Michael Tice (TAMU)
**Total award: $110,000**

**National Science Foundation, International Ocean Discovery Program (IODP)**
*Full proposal for multidisciplinary IODP investigations along a crustal flow-line across the western flank of the southern Mid-Atlantic Ridge: The South Atlantic Transect (853-Full2)* → ***IODP Expeditions 390 and 393 scheduled for October-December 2020 and April-June 2021, respectively***

Principal Lead Proponent: Rosalind Coggon (Southampton); Data Lead Proponent: Robert Reece (TAMU)
Proponents: Gail Christeson, Damon Teagle, Brandi Kiel Reese, Jason Sylvan, Mark Leckie, Nicholas Hayman, James Zachos, Brandon Briggs, Matthew Huber, **Julia Reece**, Svenja Rausch, John Kirkpatrick, Michelle Harris, Debbie Thomas, Miriam Katz, Christopher Lowery, Clifford Heil, and William Gilhooly
**No funding requested.**

## Pending

**National Science Foundation**
*CAREER: Microfossils as Drivers for Submarine Landslides?*
Principal Investigator: Julia Reece (TAMU)
**Total award: $ 526,054 (5 yrs)**

**Consortium of petroleum industry members**
*Immature (Neogene) mudrocks: Analogs for unconventional shale gas/oil plays – A comprehensive evaluation of stratigraphic, sedimentary, lithologic, organic matter kinetics, and diagenetic controls on rock property evolution of organic-rich mudrocks*
Principal Lead Proponent: Ursula Hammes; Co-proponents: **Julia Reece**
**Total Award: $1,300,296.31; TAMU portion: $903,991.60 (3 yrs)**

**CoreLab, Berg-Hughes Center (BHC) – Crisman Institute Initiative (JIP to be developed)**
*Influence of soaking process on clay microstructure using dehydrated resedimented mudstones as analogues and Clay morphology and its impact on desiccation in oil/gas shales*
Principal Lead Proponent: **Julia Reece**
**Total Award: $238,000 (2 yrs)**

**CoreLab, Berg-Hughes Center (BHC) – Crisman Institute Initiative (JIP to be developed)**
*Reservoirs properties, geological modeling and their impact on desiccation in oil/gas shales*
Principal Lead Proponent: BHC Petrophysicist (being hired), Geomodeler (being hired), and **Julia Reece** (TAMU)
**Total Award: $224,000 (2 yrs)**
Comment: Drs. Mukul Bathia and **Julia Reece** wrote the proposal.

## Declined

**National Science Foundation, International Ocean Discovery Program (IODP) (Full 2 proposal)**
*Neogene to Quaternary climate, sedimentation, and ocean productivity along the NW African continental margin (Full2 Proposal submitted March 31st, 2019)*
Principal Lead Proponent: Torsten Bickert (University of Bremen); Data Lead Proponent: Sebastian Krastel (University of Kiel)
Proponents: Ilham Bouimetarhan, Anya J. Crocker, Peter deMenocal, Lydie Dupont, Aggeliki Georgiopoulou, Timothy D. Herbert, Anna Nele Meckler, Stefan Mulitza, **Julia Reece**, Oscar Romero, Enno Schefuß, Tilmann Schwenk, Peter J. Talling, Morelia Urlaub, Thomas Westerhold, Paul A. Wilson
**No funding requested.**

**Texas A&M University, X-Grant Round 2 (Full proposal)**
*Environmental disturbance and ecological response on the Texas coast: Building resilience via lessons from the past (submitted May 6th, 2019)*
Principal investigator: Christina Belanger; Co-proponents: Pete van Hengstum, Tim Dellapenna, Yige Zhang, Heather Thakar, David Retchless, Anna Armitage, Ron Eytan, Ethan Grossman, Karl Kaiser, Franco Marcantonio, Nicholas Perez, Antonietta Quigg, **Julia Reece**, Daniel Roelke, Ashley Ross, Courtney Thompson

**Total TAMU award: $ 1,500,000; Reece portion: $ 16,526**
**National Science Foundation, International Ocean Discovery Program (IODP)**
*The Role of Pressure and Temperature in Retrogressive Landslides in the Western North Atlantic (Full Proposal)*
Principal Lead Proponent: Derek Sawyer (The Ohio State University); Data Lead Proponent: Jenna Hill (USGS)
Proponents: Rick Colwell, Ann Cook, Will Fortin, Matthew Hornbach, Scott Klasek, Nathan Miller, Maria Nikolinakou, Alexey Portnov, **Julia Reece**, Jara Schnyder, Niall Slowey, Benjamin Phrampus, James Gibson, Christopher Jackson, Jason Chaytor
**No funding requested.**

**Texas A&M University, X-Grant Round 1 (one-pager)**
*The Future of Texas: Building future resiliency by diagnosing the drivers and recurrence of Hurricanes, Hypoxia, and Hydroclimate (superfloods vs. megadroughts) over the last 3000 years*
Principal Investigator: Pete van Hengstum (TAMUG); Co-proponents: Tim Dellapenna (TAMUG), Ron Eytan (TAMUG), Ethan Grossman (TAMU), Christina Belanger (TAMU), Nicholas Perez (TAMU), **Julia Reece** (TAMU), Franco Marcantonio (TAMU), Yige Zhang (TAMU), Daniel Roelke (TAMU)
**Total award: $ TBD**

**National Science Foundation, Marine Geology and Geophysics**
*Collaborative Research: The effect of earthquake energy on consolidation and shear strength of continental slope sediments: Testing the 'seismic strengthening' hypothesis*
Principal Investigator: **Julia Reece**; collaborative with Derek Sawyer (Ohio State University)
Project Duration: 09/01/2017 – 08/31/2020
**Total award: $440,886; TAMU portion: $245,604**

## Expired

**TAMU College of Geosciences, High Impact Learning Experiences (HILE) for Undergraduate Research, Fall 2016**
*Understanding mechanical behavior of mudrock mixtures; funding provided to enhance 491 undergraduate research course for Melissa Altobelli and Travis Shackleton*
Principal Investigator: **Julia Reece**
**Total award: $1200**

**TAMU College of Geosciences, High Impact Learning Experiences (HILE) for Undergraduate Research, Fall 2016**
*Travel grant for Melissa Altobelli to attend and present at the American Geophysical Union (AGU) Fall Meeting in San Francisco in December 2016*
Principal Investigator: **Julia Reece**
**Total award: $600**

**TAMU College of Geosciences, High Impact Learning Experiences (HILE) for Undergraduate Research, Spring 2016**
*Heterogeneities in mudstones*
Principal Investigator: **Julia Reece**
**Total award: $600**

**TAMU College of Geosciences, High Impact Learning Experiences (HILE) for Undergraduate Research, Spring 2016**
*Relationship between porosity, sorting, and stress in IODP cores*

Principal Investigator: **Julia Reece**
**Total award: $600**

**Consortium for Ocean Leadership, Schlanger Ocean Drilling Fellowship Award 2010 - 2011**
*Resedimentation of Nankai mudstones to illuminate lithologic control on permeability and compressibility*
Principal Investigator: **Julia Schneider** (UT); PhD Supervisor: Peter Flemings (UT)
**Total award: $28,000**

## PUBLICATIONS

***† indicates graduate student advisee***
***ResearcherID****: H-8743-2012*
***Google Scholar H-index****: 10;* ***Citations****: 313*

### Published

1. †Mills, N.T., **Reece, J.S.**, Tice, M.M. (in review). Clay minerals modulate early carbonate diagenesis, *Geology*.

2. Daigle, H., **Reece, J.S.**, Flemings, P.B. (2020). A modified Swanson method to determine permeability from mercury intrusion data in marine muds, *Marine and Petroleum Geology, 113,* doi:10.1016./j.marpetgeo.2019.104155.

3. Daigle, H., **Reece, J.S.**, Flemings, P.B. (2019). Evolution of the percolation threshold in muds and mudrocks during burial, *Geophysical Research Letters*, *46*, doi:10.1029/2019GL083723.

4. Casey, B., **Reece, J.S.**, Germaine, J.T. (2019). One-Dimensional Normal Compression Laws for Resedimented Mudrocks, *Marine and Petroleum Geology, 103,* 397-403, doi:10.1016/j.marpetgeo.2019.02.023.

5. Wu, W., **Reece, J.S.**, Gensterblum, Y., and Zoback, M.D. (2017). Permeability evolution of slowly slipping faults in shale reservoirs, *Geophysical Research Letters, 44,* doi:10.1002/2017GL075506.

6. Flemings, P.B., **Reece, J.S.**, Ditkof, J., Atkins, C.C., Sawyer, D.E. (2015). Data Report: Particle Size Analysis of Sediments in the Nankai Trough, IODP Expedition 319 Hole C009A, *In*: Saffer, D., McNeill, L., Byrne, T., Araki, E., Toczko, S., Eguchi, N., Takahashi, K., and the Expedition 319 Scientists, *Proc. IODP*, 319: Tokyo (Integrated Ocean Drilling Program Management International, Inc.), doi: 10.2204/iodp.proc.319.203.2015.

7. Daigle, H. and **Reece, J.S.** (2015). Permeability of two-component granular materials, *Transport in Porous Media*, Vol. 106, p. 523-544, doi:10.1007/s11242-014-0412-6.

8. Casey, B., Germaine, J.T., Flemings, P.B., **Reece, J.S.**, Gao, B., and Betts, W. (2013). Liquid limit as a predictor of mudrock permeability, *Marine and Petroleum Geology*, Vol. 44, p. 256-263, doi:10.1016/j.marpetgeo.2013.04.008.

9. **Reece, J.S.**, Flemings, P.B., and Germaine, J.T. (2013). Data Report: Permeability, compressibility, and microstructure of resedimented mudstone from IODP Expedition 322, Site C0011, *In*: Saito, S., Underwood, M.B., Kubo, Y., and the Expedition 322 Scientists, *Proc. IODP,* 322: Tokyo (Integrated Ocean Drilling Program Management International, Inc.), doi:10.2204/iodp.proc.322.205.2013.

10. **Reece, J.S.,** Flemings, P.B., Dugan, B., Long, H., and Germaine, J.T. (2012). Permeability-porosity relationships of shallow mudstones in the Ursa Basin, northern deepwater Gulf of Mexico, *Journal of Geophysical Research*, 117, B12102, doi:10.1029/2012JB009438.

11. Day-Stirrat, R.J., Schleicher, A.M., **Schneider, J.**, Flemings, P.B., Germaine, J.T., van der Pluijm, B.A. (2011). Preferred orientation of phyllosilicates: Effects of composition and stress on resedimented mudstone microfabrics, *Journal of Structural Geology*, Vol. 33, No. 9, p. 1347-1358, doi:10.1016/j.jsg.2011.06.007.

12. **Schneider, J.,** Flemings, P.B., Day-Stirrat, R.J., Germaine, J.T. (2011). Insights into pore-scale controls on mudstone permeability through resedimentation experiments, *Geology*, Vol. 39, No. 11, p. 1011-1014, doi:10.1130/G32475.1.

13. **Schneider, J.**, Flemings, P.B., Dugan, B., Long, H., and Germaine, J.T. (2009). Overpressure and consolidation near the seafloor of Brazos-Trinity Basin IV, Northwest Deepwater Gulf of Mexico, *Journal of Geophysical Research, 114*, B05102, doi:10.1029/2008JB005922.

14. Winkelmann, D., Geissler, W., **Schneider, J.**, Stein, R. (2008). Dynamics and timing of the Hinlopen/Yermak Megaslide north of Spitsbergen, Arctic Ocean, Marine Geology, 250, 34-50, doi:10.1016/j.margeo.2007.11.013.

15. Dugan, B., Flemings, P.B., Urgeles, R., Sawyer, D., Iturrino, G.J., Moore, J.C., **Schneider, J.** (2007). Physical Properties of Mass Transport Complexes in the Ursa Region, Northern Gulf of Mexico (IODP Expedition 308) Determined from Log, Core, and Seismic Data, *Proceedings 2007 Offshore Technology Conference*: Paper OTC 18704.

## In preparation

16. **Reece, J.S.** (in prep.). Deformation and transport processes of resedimented mudstones from offshore Japan, *Geochemistry, Geophysics, Geosystems*.

17. †Eakin, A.L., **Reece, J.S.**, Milliken, K.L., Locklair, R., Montgomery, P. (in prep.). Chemostratigraphy and petrologic characterization of Permian Spraberry and Wolfcamp Formations, Midland Basin, Texas, *AAPG Bulletin*.

## COLLABORATORS

Christina Belanger (TAMU); Torsten Bickert (Marum, University of Bremen, Germany); Brendan Casey (Exponent, Inc.); Hugh Daigle (UT Austin); Ruarri Day-Stirrat (Shell Oil Company, USA); Brandon Dugan (Colorado School of Mines); Yves Gensterblum (Academy RWTH Aachen, Germany); John Germaine (Tufts University); Ursula Hammes (Hammes Energy & Consultants); Ronny Hofmann (Shell Oil Company, USA); Derek Sawyer (Ohio State University); Jason Sylvan (TAMU); Michael Tice (TAMU); Morelia Urlaub (GEOMAR, Germany); Wei Wu (Nanyang Technological University, Singapore); Mark Zoback (Stanford University)

## TEACHING

### Texas A&M University

***GEOL 689: Geofluids***

graduate, 5 students Spring 2019
graduate, 8 students *(co-taught with Dr. Ursula Hammes)* Spring 2017

***GEOL 689: Shale Reservoir Workshop: Analyzing Organic-Rich Mudrocks From Basin to Nanoscale***
*Lead Instructor: Dr. Ursula Hammes*
graduate, 15 students Fall 2016

***GEOL 306: Introduction to Sedimentology and Stratigraphy***
undergraduate, 64 students Fall 2019
undergraduate, 25 students Spring 2019
undergraduate, 64 students Fall 2018
undergraduate, 59 students Fall 2017
undergraduate, 90 students Fall 2016
undergraduate, 63 students Fall 2015

***GEOL 311: Principles of Geological Writing***
undergraduate, 23 students Spring 2017
undergraduate, 18 students Spring 2015
undergraduate, 20 students Fall 2014

***GEOL 210: Geological Communication***
undergraduate, 26 students Fall 2019

***GEOL 491: Undergraduate Geology Research Course***
undergraduate, 4 students Summer 2019
undergraduate, 5 students Summer 2018

***Guest lectures:***
GEOL 180: Introduction to Geology & Geophysics Fall 2019
GEOL 180: Introduction to Geology & Geophysics Spring 2019
GEOL 306: Introduction to Sedimentology and Stratigraphy (2x guest lectures) Spring 2016
GEOS 101: Introduction to the Geosciences Fall 2015
GEOS 101: Seminar for Transfer Students Fall 2014, Fall 2015, Fall 2016, Spring 2017

**The University of Texas at Austin**

***Crustal Fluids, helping advisor out with permeability laboratory***
graduate, Professor: Peter Flemings Spring 2011

***Petroleum Geology, TA***
undergraduate, Professors: Peter Flemings, Xavier Janson, Ron Steel Spring 2010

## STUDENT ADVISING (** graduated)*

### Graduate Students

| Name | Date of supervision | Institution | Degree | Role |
|---|---|---|---|---|
| Alexander Ferrell | 8/19 – present | TAMU G&G | M.S. | Committee Co-Chair |
| Clyde Findlay | 1/18 – present | TAMU G&G | Ph.D. | Committee Member |

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|---|---|---|---|---|
| Krishna M. Pradeep | 3/17 – present | TAMU Civil Eng. | M.S. | Committee Member |
| C. Ryan Elmore | 1/16 – present | TAMU G&G | Ph.D. | Committee Chair |
| N. Tanner Mills | 8/15 – present | TAMU G&G | Ph.D. | Committee Chair |
| Autumn Eakin | 8/14 – present | TAMU G&G | Ph.D. | Committee Chair |
| Adnan Ashraf* | 3/17 – 6/18 | TAMU Civil Eng. | M.S. | Committee Member |
| Nfn Ricardo* | 9/17 – 5/18 | TAMU PETE | M.S. | Committee Member |
| Noah Miller* | 6/17 – 10/17 | TAMU G&G | M.S. | Committee Member |
| Dong Wang* | 12/14 – 12/16 | TAMU Civil. Eng. | Ph.D. | Committee Member |
| Joshua DeVore* | 8/15 – 5/16 | Ohio State Univ. | M.S. | Unofficial Com. Member |
| William Betts* | 3/13 – 5/14 | UT Austin | M.S. | Committee Member |

### Undergraduate Students

| Name | Date of supervision | Project/Current Position |
|---|---|---|
| Schuyler Hoff | 10/18 – 12/19 | Student technician helping in the laboratory |
| Michael Martinez | 01/19 – 12/19 | Compression of microfossil-rich sediments |
| Wyatt Scott | 01/19 – 12/19 | Sediment properties related to submarine slope failures |
| Dennis Mmasa* | 01/17 – 12/17 | University of Arkansas (M.S. student) |
| Melanie Bowen* | 08/16 – 12/17 | ExxonMobil |
| Travis Shackleton* | 01/16 – 08/16 | |
| Melissa Altobelli* | 01/16 – 12/16 | ExxonMobil |
| J. Clayton Goodspeed* | 08/15 – 05/16 | Halliburton |

## AWARDS AND HONORS TO SUPERVISED STUDENTS

| | | |
|---|---|---|
| 2018 | 1st place, PhD Research Poster, TAMU Geol. & Geophys. Research Symposium | Autumn Eakin |
| 2018 | GSA Travel Grant ($125) | Tanner Mills |
| 2017 | GSA Travel Grant ($125) | Tanner Mills |
| 2017 | 1st place, PhD Completed Research, TAMU Geol. & Geophys. Research Symp. | Autumn Eakin |
| 2017 | AAPG Grants-in-Aid Award ($3000) | Tanner Mills |
| 2017 | TAMU Diversity Graduate Fellowship (not accepted though) | Melissa Altobelli |
| 2016 – 2017 | Berg-Hughes Center Fellowship (BP) | Ryan Elmore |
| 2016 | 2nd place, PhD Anticipated Research, TAMU Geol. & Geophys. Research Symp. | Tanner Mills |
| 2016 | 3rd place, Undergraduate Research, TAMU Geol. & Geophys. Research Symp. | Melissa Altobelli |
| 2015 – 2016 | Berg-Hughes Center Fellowship (Saudi ARAMCO) | Tanner Mills |
| 2015 | 1st place, PhD Anticipated Research, TAMU Geol. & Geophys. Research Symp. | Autumn Eakin |

## OTHER ACCOMPLISHMENTS TO SUPERVISED STUDENTS

| | | |
|---|---|---|
| 2018 | Summer Internship with ConocoPhillips | Tanner Mills |
| 2018 | Full-time position with ExxonMobil | Melanie Bowen |
| 2018 | Spring Internship with ExxonMobil | Melanie Bowen |
| 2017 | Full-time position with ExxonMobil | Melissa Altobelli |
| 2017 | Internship with ExxonMobil | Melissa Altobelli |

## PROFESSIONAL SERVICE

### Internal Service (TAMU)

**Department of Geology and Geophysics**

| | |
|---|---|
| Department Awards Committee | 01/20 – present |
| Berg Hughes Scholarship Committee | 08/19 – present |
| Graduate Student Awards Committee | 01/18 – present |
| Instructional Assistant Professor Search Committee | 09/18 – 08/19 |
| Executive Committee | 01/18 – 05/18 |
| Graduate Admissions Task Force for "Making the Graduate Program Better" | 03/17 – 12/17 |
| Unconventional Resources Search Committee | 02/17 – 04/17 |
| Berg-Hughes Center Fellowship Committee | 03/16 – 05/17 |
| Graduate Admissions Committee | 09/15 – 12/17 |
| Hosting Halbouty Visiting Chair Dr. Ursula Hammes (Hammes Energy & Consultants) | 09/16 – 05/17 |

**College of Geosciences**

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|---|---|
| College Awards Committee | 12/19 – present |
| Strategic Planning Steering Committee | 01/19 – present |
| Onboarding & Mentoring Taskforce | 10/14 – 02/15 |
| New Geosciences Building – Scanning and Optical Microscopy Working Group | 10/15 – 01/16 |

## External Service

**Ocean Discovery Lecture Series, International Ocean Discovery Program (IODP)** 09/18 – 05/19

The Ocean Discovery Lecture Series (formerly the Distinguished Lecturer Series) is a renowned lecture series, in which about six distinguished lecturers per academic year speak at many institutions (~6-9) about their scientific results and discoveries related to IODP. The lecturer also acts as an advocate for IODP and teaches community colleges, museums, etc. about IODP.

**Science Evaluation Panel (SEP), International Ocean Discovery Program (IODP)** 10/14 – 09/17

SEP is an advisory body of the *JOIDES Resolution* Facility Board (JRFB) and primarily reviews proposals to use the IODP drilling platforms.

**Session Convener**

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| Co-Convener (AGU Fall Meeting 2017) | 12/17 |

**Judge**

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|---|---|
| Annual Geology & Geophysics Research Symposium, TAMU | 03/18 |
| Annual Geology & Geophysics Research Symposium, TAMU | 03/17 |
| Outstanding Student Paper Award (AGU Fall Meeting) | 12/16 |
| Outstanding Student Paper Award (AGU Fall Meeting) | 12/14 |
| Outstanding Student Paper Award (AGU Fall Meeting) | 12/12 |
| Annual Jackson School Research Symposium, UT Austin | 02/12 |

**Organizer**

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| Co-organizer of School of Earth Sciences Postdoc Seminar Series, Stanford University | 01/13 – 07/13 |

**Referee**

***Peer reviewed journals***

Advances in Water Resources, American Rock Mechanics Association (ARMA), Earth and Planetary Science Letters (EPSL), Geology, Geophysical Research Letters (GRL), Journal of Geophysical Research – Solid Earth (JGR), Marine and Petroleum Geology (MPG), NSF International Ocean Discovery Program (IODP), Geochemistry, Geophysics, Geosystems (G-cubed), Transport in Porous Media

***Funding agencies***
American Chemical Society (ACS)

## HONORS & AWARDS

| | |
|---|---|
| TAMU Montague - Center for Teaching Excellence Scholar | 2019 - 2020 |
| IODP Ocean Discovery Lecturer | 2018 - 2019 |
| Author Achievement Award, Bureau of Economic Geology, UT Austin | 2012 |
| Best JSG Student Paper Award, UT Austin, Dept. of Geological Science | 2011 |
| Best Ph.D. technical talk, UT Austin, Dept. of Geological Science | 2011 |
| Ewing/Worzel Fellowship, UT Institute for Geophysics | 2011 |
| AGU Outstanding Student Paper Award (AGU Fall Meeting) | 2010 |
| Schlanger Ocean Drilling Fellowship Award, Consortium for Ocean Leadership ($28,000) | 2010 - 2011 |
| Outstanding Teaching Assistant Award, UT Austin, Dept. of Geological Science | 2010 |
| Hess Fellowship | 2009 |
| Ewing/Worzel Fellowship, The University of Texas at Austin Institute for Geophysics | 2008 |
| Chevron Excellence Award | 2008 |
| Ewing/Worzel Fellowship, The University of Texas at Austin Institute for Geophysics | 2008 |
| Chevron Excellence Award | 2007 |
| ConocoPhillips Distinguished GeoFluids Fellowship | 2007 |

## FIELD ACTIVITIES

| **Project (*platform*)** | **location** | **dates** | **role** |
|---|---|---|---|
| GEOL 609 (Field Geology) | Andros Island, Bahamas | 04/16 – 04/16 | assisting faculty |
| IODP Exp. 308 (*JOIDES Resolution*) | Gulf of Mexico | 05/05 – 07/05 | sedimentologist |
| ARK XX/3 (*R/V Polarstern*) | Svalbard, Arctic Ocean | 08/04 – 10/04 | research assistant |
| M54/2 (*R/V Meteor*) | Costa Rica, Nicaragua | 08/02 – 09/02 | research assistant |
| Undergraduate research field projects led by University of Bremen | various locations in Germany | 2001- 2004 | research assistant |

## PROFESSIONAL AFFILIATIONS

American Geophysical Union (AGU)
Deformation Experimentalists at the Frontier Of Rock and Mineral research (DEFORM)
Geological Society of America (GSA)

## INVITED TALKS

*Mud and Bugs Under Stress: Compression of Marine Sediments Beneath the Seafloor,* Central Washington University, Ellensburg, Washington, May 3, 2019 (as part of IODP Distinguished Lecture Series)

*Mud and Bugs Under Stress: Compression of Marine Sediments Beneath the Seafloor,* Southwest Oregon Community College, Coos Bay, Oregon, April 13, 2019 (as part of IODP Distinguished Lecture Series)

*Mud and Bugs Under Stress: Compression of Marine Sediments Beneath the Seafloor,* Montana State University, Billings, Montana, March 28, 2019 (as part of IODP Distinguished Lecture Series)

*Mud and Bugs Under Stress: Compression of Marine Sediments Beneath the Seafloor,* University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, February 21, 2019 (as part of IODP Distinguished Lecture Series)

*Mud and Bugs Under Stress: Compression of Marine Sediments Beneath the Seafloor,* Rowan University, Glassboro, New Jersey, November 15, 2018 (as part of IODP Distinguished Lecture Series)

*Mud and Bugs Under Stress: Compression of Marine Sediments Beneath the Seafloor,* Museum of Arts and Sciences, Macon, Georgia, October 2, 2018 (as part of IODP Distinguished Lecture Series)

*Mud and Bugs Under Stress: Compression of Marine Sediments Beneath the Seafloor,* University of Miami – Rosenstiel School of Marine and Atmospheric Science, Miami, Florida, October 1, 2018 (as part of IODP Distinguished Lecture Series)

*Mud and Bugs Under Stress: Compression of Marine Sediments Beneath the Seafloor,* Mississippi State University, Starkville, Mississippi, September 6, 2018 (as part of IODP Distinguished Lecture Series)

*Mud and Bugs Under Stress: Compression of Marine Sediments Beneath the Seafloor,* University of Louisiana at Lafayette, Lafayette, Louisiana, September 4, 2018 (as part of IODP Distinguished Lecture Series)

*Controls on hydromechanical properties of mudstones through scientific ocean drilling,* University of Texas San Antonio, Department of Geological Sciences Seminar, Fall 2017

*Compressing natural mudstones: Controls on mechanical and fluid-flow properties,* University of Georgia, Department of Geology Seminar, Fall 2015

*Multi-scale flow behavior in mudrocks*, The Ohio State University, School of Earth Sciences seminar, Spring 2013

*Multi-scale flow behavior in mudrocks*, Texas A&M University, Department of Geology and Geophysics, Spring 2013

*Impact of silt fraction on compressibility, permeability, and microstructure of natural mudstones*, Stanford University, Department of Geophysics seminar, Fall 2012

## PARTICIPATION IN WORKSHOPS

| | |
|---|---|
| Leadership Development Program with Dr. Natemeyer, TAMU | Summer 2018 |
| IODP proposal development workshop on Submarine Landslides, SMU, Dallas, TX | Spring 2017 |
| NSF Career and Other Young Investigator Programs Seminar, TEES, TAMU | Spring 2017 |
| eCampus Assignments and Assessments, TAMU Instructional Technology Services | Fall 2016 |
| Writing Good Exam Questions, TAMU Center for Teaching Excellence | Spring 2016 |
| Teaching Methods, TAMU Center for Teaching Excellence | Fall 2015 |
| Lecturing Well, TAMU Center for Teaching Excellence | Fall 2015 |
| ADVANCE Roadmap for a Successful Academic Career Workshop, TAMU | Spring 2014 |
| IODP Workshop on Multidisciplinary Transect Drilling During Transits, TAMU | Fall 2013 |
| Building U.S. Strategies for 2013-2023 Scientific Ocean Drilling, Denver, Colorado | Spring 2012 |
| Seabed Sediment Pore Pressure: Genesis, Measurement and Implications for Design/Analysis, Oslo, Norway | Spring 2009 |
| Marie Curie Summer School on Aqueous and Porous Materials, Trèst, Czech Republic | Fall 2008 |

TEMIS 2D/3D (Basin Modeling), Beicip-Franlab, Houston, TX — Spring 2008
Soil Mechanics, Shell E&P, Houston, TX — Spring 2007

## OUTREACH ACTIVITIES

„Beer can" activity at College's GeoX event — June 14th, 2018
„Beer can" activity as outreach activity with Bryan High School students — April 27th, 2018
Outreach activity at the Brazos Valley Children's Museum — Oct. 7th, 2017
Outreach activity at College's GeoX event — June. 9th, 2017
Outreach activity along with College event hosting Coram Deo Academy — Feb. 3rd, 2017

## CONFERENCE ABSTRACTS/ PRESENTATIONS

*† indicates graduate student advisee, § indicates undergraduate student advisee*

### 2019

Coggon, R.M., Reece, R.S., Christeson, G.L., Teagle, D.A.H., Sylvan, J.B., Reese, B.K., Leckie, R.M., Lowery, C., Hayman, N.W., **Reece, J.S.**, Jöns, S., Zachos, J.C., Briggs, B.R., Kirkpatrick, J.B., and Huber, M. (2019), The South Atlantic Transect – A Multidisciplinary Scientific Ocean Drilling Investigation, Abstract presented at 2019 Fall Meeting, AGU, San Francisco, California, December 12-16.

†Mills, N.T., **Reece, J.S.**, and Tice, M.M. (2019), The acid-base properties of clay minerals as a potential buffer for sediment pore water pH and carbonate saturation during microbial iron reduction (Talk), Texas A&M University Department of Geology and Geophysics Student Research Symposium, College Station, Texas, March 21.

### 2018

†Mills, N.T., **Reece, J.S.**, and Tice, M.M. (2018), The acid-base properties of clay minerals as a potential buffer for sediment pore water pH and carbonate saturation during microbial iron reduction (Talk), Abstract presented at 2018 Geological Society of America Annual Meeting, GSA, Indianapolis, Indiana, November 4-7.

†Eakin, A.L., **Reece, J.S.**, and Milliken, K. (2018), Cement paragenesis as revealed by SEM cathodoluminescence imaging in the Permian Spraberry and Wolfcamp Formations (Poster), Texas A&M University Department of Geology and Geophysics Student Research Symposium, College Station, Texas, March 22.

†Mills, N.T., **Reece, J.S.**, and Tice, M.M. (2018), The influence of clay minerals on the evolution of mudstone pore fluids during microbial iron reduction (Poster), Texas A&M University Department of Geology and Geophysics Student Research Symposium, College Station, Texas, March 22.

†Mills, N.T. and **Reece, J.S.** (2018), How do microbes affect mudstone properties during diagenesis? (Poster), Gordon Research Conference, Galveston, Texas, January 21-26.

### 2017

†Mills, N.T., **Reece, J.S.**, and Tice, M.M. (2017), Silica diagenesis in mudstones and the impact on consolidation and brittle deformation (Talk), Abstract presented at 2017 Geological Society of America Annual Meeting, GSA, Seattle, Washington, October 22-25.

†Eakin, A.L. and **Reece, J.S.** (2017), Silica diagenesis in mudstones and the impact on consolidation and brittle deformation (Poster), Abstract presented at 2017 Annual Convention & Exhibition, AAPG, Houston, Texas, April 2-5.

†Eakin, A.L. and **Reece, J.S.** (2017), Investigation of quartz and carbonate diagenesis in mudstones of the Permian Spraberry and Wolfcamp Formations, west Texas (Poster), Texas A&M University Department of Geology and Geophysics Student Research Symposium, College Station, Texas, March 30.

†Mills, N.T., **Reece, J.S.,** and Tice, M.M. (2017), Evolution of mudstone porosity, permeability, and microstructure in the presence of microorganisms during vertical compression (Poster), Texas A&M University Department of Geology and Geophysics Student Research Symposium, College Station, Texas, March 30.

§Shackleton, T. and **Reece, J.S.** (2017), Microfossils in marine sediments: The influence on macro-scale mechanical behavior (Poster), Texas A&M University Department of Geology and Geophysics Student Research Symposium, College Station, Texas, March 30.

§Shackleton, T. and **Reece, J.S.** (2017), Microfossils in marine sediments: The influence on macro-scale mechanical behavior (Poster), Abstract presented at 2017 51st Annual Meeting, GSA South-Central Section, San Antonio, Texas, March 13-14.

**2016**

§Altobelli, M.A. and **Reece, J.S.** (2016), Effect of organic material on mechanical, hydrological, and microstructural properties of mudstones (Poster), Abstract MR51C-2722 presented at 2016 Fall Meeting, AGU, San Francisco, California, December 12-16.

†Eakin, A.L. and **Reece, J.S.** (2016), Investigation of quartz diagenesis in mudstones of the Spraberry and Wolfcamp Formations (Oral), Abstract MR44A-04 presented at 2016 Fall Meeting, AGU, San Francisco, California, December 12-16.

†Mills, N.T. and **Reece, J.S.** (2016), Evolution of mudstone porosity, permeability, and microstructure in the presence of microorganisms during vertical compression (Poster), Abstract MR51C-2731 presented at 2016 Fall Meeting, AGU, San Francisco, California, December 12-16.

**Reece, J.S.** and §Shackleton, T. (2016), The role of microfossils in the compression of marine sediments: Implications for submarine slope failure (Poster), Abstract T51B-2912 presented at 2016 Fall Meeting, AGU, San Francisco, California, December 12-16.

Wu, W., Gensterblum, Y., **Reece, J.S.** and Zoback, M.D. (2016), Permeability evolution with shearing of simulated faults in unconventional shale reservoirs (Poster), Abstract MR51C-2727 presented at 2016 Fall Meeting, AGU, San Francisco, California, December 12-16.

†Mills, N.T. and **Reece, J.S.** (2016), How do microbes affect mudstone properties during diagenesis? (Poster), Texas A&M University Department of Geology and Geophysics Student Research Symposium, College Station, Texas, March 31.

§Altobelli, M. and **Reece, J.S.** (2016), Effect of organic material and heterogeneities on mechanical and flow behavior in mudstones (Poster), Texas A&M University Department of Geology and Geophysics Student Research Symposium, College Station, Texas, March 31.

§Goodspeed, J.C. and **Reece, J.S.** (2016), Comparison of three different particle size distribution analyzers (Poster), Texas A&M University Department of Geology and Geophysics Student Research Symposium, College Station, Texas, March 31.

**2015**

†Eakin, A. and **Reece, J.S.** (2015), Effect of Diagenesis on Rock Consolidation Behavior: Testing Analytical Methods (Poster), Texas A&M University Berg-Hughes Symposium, College Station, Texas, October 16.

†Mills, N.T. and **Reece, J.S.** (2015), Influence of microbial activity on mechanical and transport properties of mudstones during early diagenesis (Poster), Texas A&M University Berg-Hughes Symposium, College Station, Texas, October 16.

†Eakin, A. and **Reece, J.S.** (2015), Effect of Diagenesis on Rock Consolidation Behavior (Poster), Texas A&M University Department of Geology and Geophysics Graduate Research Symposium, College Station, Texas, April 10.

**2014**

**Reece, J.S.**, Zoback, M.D., and Kohli, A.H. (2014), Effect of Shear Slip on Fault Permeability in Shale Reservoir Rocks, Abstract H13Q-03, presented at 2014 Fall Meeting, AGU, San Francisco, Calif., December 15-19.

Al Ismail, M.I., Hol, S., **Reece, J.S.**, and Zoback, M.D. (2014), The Effect of CO2 Adsorption on Permeability Anisotropy in the Eagle Ford Shale, presented at the "The Challenges of Studying Low Permeability Materials" workshop, Cergy-Pontoise University, December 2.

Al Ismail, M.I., Hol, S., **Reece, J.S.**, and Zoback, M.D. (2014). The Effect of CO2 Adsorption on Permeability Anisotropy in the Eagle Ford Shale (Poster), Conference Paper 1921520 presented at the Unconventional Resources Technology Conference, Denver, Colorado, August 25-27.

**2012**

**Reece, J.S.** and Flemings, P.B. (2012). Prediction of hydraulic diffusivity in marine mudstones through resedimentation experiments (Poster), Abstract MR33B-2463 presented at 2012 Fall Meeting, AGU, San Francisco, California, December 3-7.

Bhandari, A.R., **Reece, J.S.**, Cronin, M.B., Flemings, P.B., and Polito, P.J. (2012). Transient pressure-pulse decay permeability measurements in the Barnett shale, Abstract MR33B-2462 presented at 2012 Fall Meeting, AGU, San Francisco, California, December 3-7.

Flemings, P.B., **Reece, J.S.**, Adams, A.L., and Germaine, J.T. (2012). Making Mudstones: insights into material behavior through resedimentation experiments, Abstract MR23D-04 presented at 2012 Fall Meeting, AGU, San Francisco, California, December 3-7.

**Reece, J.S.**, Flemings, P.B., and the Expedition 322 Scientists (2012). Deformation and transport processes of resedimented mudstones in their initial pre-subduction conditions (Poster), GSA Penrose Conference on Deformation, fluid flow, and mass transfer in the forearc of convergent margins, Lucca, Italy, March 25-31.

**2011**

Betts, W.S., Flemings, P.B., **Schneider, J.**, (2011), Permeability and compressibility of resedimented Gulf of Mexico mudrock, Abstract MR43A-2133 presented at 2011 Fall Meeting, AGU, San Francisco, California, December 5-9.

**Schneider, J.**, Flemings, P.B., Day-Stirrat, R.J., Germaine, J.T. (2011). Insights into pore-scale controls on mudstone permeability and compressibility through resedimentation experiments (Oral), Geopressure 2011, An International Interdisciplinary Conference on Pressure Regimes and Their Prediction at all Scales, Galveston, TX, October 2-5.

**Schneider, J.**, Flemings, P.B., Day-Stirrat, R.J., Germaine, J.T. (2011). Insights into pore-scale controls on mudstone permeability and compressibility through resedimentation experiments (Oral), Abstract EGU2011-9052 presented at EGU General Assembly 2011, Vienna, Austria, April 3-8.

**Schneider, J.**, Flemings, P.B., Germaine, J.T., Compression and permeability behavior of resedimented mudstones from seaward of the Nankai Trough, IODP Expedition 322, Site C0011, presented at 2011 Expedition 319/322 2nd post-cruise meeting, Barcelona, Spain, September 26-28.

Flemings, P.B., Atkins, C., **Schneider, J.**, Particle size analysis IODP Expedition 319 Site C0009 (1521-1595 mbsf), presented at 2011 Expedition 319/322 2nd post-cruise meeting, Barcelona, Spain, September 26-28.

**2010**

**Schneider, J.**, Flemings, P.B., Day-Stirrat, R.J., Germaine, J.T. (2010). Experimentally derived model to predict permeability behavior of mudstones (Poster), Abstract MR11B-1880 presented at 2010 Fall Meeting, AGU, San Francisco, CA, December 13-17.

**Schneider, J.**, Peets, C.S., Flemings, P.B., Day-Stirrat, R.J., Germaine, J.T. (2010). Experimentally derived mechanical and flow properties of mudstones (Poster), Extended Abstract for the EAGE Shale Workshop - Shale – Resource and Challenge, 3 pp., Nice, France, April 26-28.

**2009**

**Schneider, J.**, Peets, C.S., Flemings, P.B., Day-Stirrat, R.J., Germaine, J.T. (2009). Experimentally derived mechanical and flow properties of fine-grained soil mixtures (Poster), Eos Trans. AGU, 90(52), Fall Meet. Suppl., Abstract H23F-1024, San Francisco, CA, December 14-18.

Day-Stirrat, R.J., Flemings, P.B., Strong, H.E., **Schneider, J.**, Sawyer, D.E., Schleicher, A.M. (2009). The fabric of Mass Transport Deposits in the Ursa Basin, Gulf of Mexico, Eos Trans.AGU, 90(52), Fall Meet. Suppl., Abstract T53C-1607, San Francisco, CA, December 14-18.

Strong, H.E., Flemings, P.B., Sawyer, D.E., Germaine, J.T., Day-Stirrat, R., **Schneider, J.**, (2009). Consolidation characteristics of mass transport deposits in Ursa Basin, Northern Gulf of Mexico, American Association of Petroleum Geologists National Meeting, Denver Colorado.

**2008**

**Schneider, J.**, Flemings, P.B., Dugan, B., Long, H., Germaine, J.T., Saffer, D.M. (2008). Porosity vs. Permeability Behavior of Shallow Mudstones in the Ursa Basin, Deepwater Gulf of Mexico (Poster), Eos Trans. AGU, 89(53), Fall Meet. Suppl., Abstract OS11A-1105, San Francisco, CA, December 15-19.

Flemings, P.B., You, Y., Sawyer, D., **Schneider, J.** (2008). Forward modeling pore pressure evolution in the Ursa Basin, offshore Louisiana, Gulf of Mexico, Eos Trans. AGU, 89(53), Fall Meet. Suppl., Abstract OS11A-1104, San Francisco, CA, December 15-19.

Flemings, P.B., Dugan, B.E., Sawyer, D.E., **Schneider, J.**, Strong, H.S. (2008). Pore pressure penetrometers document high overpressure near the seafloor where multiple submarine landslides have occurred on the continental slope, offshore Louisiana, Gulf of Mexico, 33rd International Geological Congress, Oslo, Norway.
**Schneider, J.**, Flemings, P.B (2008). Overpressure and compaction of porous marine sediments (Poster, Oral), Marie Curie Summer School, Knowledge Based Materials, Hydrous and porous systems, Trèst, Czech Republic, August 19-29.

Flemings, P.B., Long, H., **Schneider, J.**, Germaine, J.T., Dugan, B. (2008). Compressibility and Permeability Behavior of Shales at Low Effective Stresses, European Association of Geoscientists & Engineers Research Workshop, 'Compacting and Stressing Out Shales: from Geological to Production Timescales', Berlin, Germany.

**Schneider, J.**, Flemings, P.B., Long, H., Dugan, B., Germaine, J.T., Saffer, D.M., and IODP Expedition 308 Shipboard Scientific Party (2008). Pore pressure prediction near the seafloor in the Brazos-Trinity Basin, Gulf of Mexico (Oral), International Conference "Overpressure 2008: Present and Future Challenges – A Research Conference", Durham, England, April 6-9.

**2005**

**Schneider, J.**, Moerz, T., Bartetzko, A., Iturrino, G.J., Edeskaer, T.M., Flemings, P.B., Behrmann, J.H., John, C.M., and IODP Expedition 308 Shipboard Scientific Party (2005). Examples of mass wasting and hemipelagic sedimentation of Brazos-Trinity Basin #4 and Ursa Basin (Poster), Eos Trans. AGU, 86(52), Fall Meet. Suppl., Abstract OS21A-1516, San Francisco, CA, December 5-9.

**Schneider, J.**, Moerz, T., Bartetzko, A., Iturrino, G.J., Edeskaer, T.M., Flemings, P.B., Behrmann, J.H., John, C.M., and IODP Expedition 308 Shipboard Scientific Party (2005). Examples of mass wasting and hemipelagic sedimentation of Brazos-Trinity Basin IV and Ursa Basin, Northern Gulf of Mexico, IODP Expedition 308 (Poster), German IODP Meeting, Greifswald, Germany, March 27-29.

## BOOK CHAPTERS

1. Agarwal, A., Aird, T., Benson, S., Cameron, D., Druhan, J., Harris, J., Maher, K., **Reece, J.**, Vialle, S., Zahasky, C., Zaranonello, S., Zoback, M. (2015). Chapter 42: Overview of assessment of leakage detection and intervention scenarios for $CO_2$ sequestration, *In:* Gerdes, K.F. (editor), Carbon Dioxide Capture for Storage in Deep Geological Formations, Volume 4, CPL Press and BPCNAI, 964 pp.

## NON PEER-REVIEWED REPORTS

1. Benson, S., Harris, J., Maher, K., Zoback, M., Agarwal, A., Aird, T., Alshuhail, A., Druhan, J., **Reece, J.**, Strandli, C., Vialle, S., Zahasky, C. (2013). Assessment of leakage detection and intervention scenarios for CO2 sequestration. CCP3 Contingency Planning: White Paper on existing literature, Stanford Center for Carbon Storage, Stanford University.

2. Aliyeva, S., Allan, A.M., Lopéz, H.S.A., Brown, J., Dahl, J.E.P., Das, I., Druhan, J., Dutta, P., Dvorkin, J., Ebert, Y., El Husseiny, A., Grana, D., Grombacher, D., Heller, R., Hol, S., Kanitpanyacharoen, W., Kobayashi, Y., Kohli, A., Konishi, C., Lin, Y., Maher, K., Mavko, G., Mukerji, T., Rassouli, F., **Reece, J.S.**, Saxena, N., Sen, A., Skurtveit, E., Tew, A., Vaorio, T., Vialle, S., Walsh, R., Walters, R., Xia, Y., Yang, A., and Zoback, M.D. (2013), Stanford Rock Physics & Borehole Geophysics Project, Vol. 133, Stanford University.

3. Flemings, P.B., Germaine, J.T., Adams, A., Alberty, M., Betts, W., Bhandari, A.R., Casey, B., Coleff, D., Deirieh, A., Fahy, B., Gao, B., Hermanrud, C., Hurd, G., Luo, G., Marjanovic, J., Merrell, M., Meyer, D., Nikolinakou, M., **Reece, J.S.**, and You, Y. (2013). UT GeoFluids annual report to Industrial Associates for 2013: slide set 4, annual report prepared for Anadarko, BHP, BP, Chevron, ConocoPhillips, ExxonMobil, Hess Corp, Schlumberger, Shell, Statoil, Total, The University of Texas at Austin, Bureau of Economic Geology.

4. Flemings, P.B., Germaine, J.T., Adams, A., Betts, W., Casey, B., Cronin, M., Day-Stirrat, R.J., Gao, B., Greeley, D., Horan, A., Katahara, K., Luo, G., Majanovic, J., Merrell, M., Nikolinakou, M., Polito, P., **Schneider, J.**, Smith, A., You, Y. (2012). UT GeoFluids annual report to Industrial Associates for 2012: slide set 3, The University of Texas at Austin, Bureau of Economic Geology, annual report prepared for Anadarko, BHP, BP, Chevron, ConocoPhillips, ExxonMobil, Hess Corp, Schlumberger, Shell, Statoil, Total (23 presentations), Online

5. Flemings, P.B., Germaine, J.T., Adams, A., Betts, W., Braunscheidel, M., Casey, B., Day-Stirrat, R.J., Gao, B., Heppard, P., Horan, A., Luo, G., Majanovic, J., Merrell, M., Nikolinakou, M., Sawyer, D.E., Sayers, C., **Schneider, J.**, Smith, A., You, Y. (2011). UT GeoFluids annual report to Industrial Associates for 2011: slide set 2, The University of Texas at Austin, Bureau of Economic Geology, annual report prepared for Anadarko, BHP, BP, Chevron, ConocoPhillips, ExxonMobil, Hess Corp, Schlumberger, Shell, Statoil, Total (26 presentations), Online

6. Flemings, P.B., Germaine, J.T., Basin, T., Braunscheidel, M., Darnell, K., Day-Stirrat, R.J., Hudec, M.R., Luo, G., Nikolinakou, M., Sawyer, D.E., **Schneider, J.**, You, Y. (2010). UT GeoFluids annual report to Industrial Associates for 2010: slide set 1, The University of Texas at Austin, Bureau of Economic Geology, annual report prepared for Anadarko, BHP, BP, Chevron, ConocoPhillips, Devon, ExxonMobil, Hess Corp, Schlumberger, Shell (22 presentations), Online