

John A. and Katherine G. Jackson School of Geosciences Faculty

The following faculty list represents those appointed in the 2025 spring semester.

Eric Attias, Research Assistant Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of Southampton, 2017

James A Austin Jr, Research Professor
John A and Katherine G Jackson School of Geosciences
PhD, Massachusetts Institute of Technology, 1979

David Bahamon Pinzon, Assistant Professor of Instruction
Department of Earth and Planetary Sciences
PhD, Clemson University, 2023

Andrey Bakulin, Research Professor
Bureau of Economic Geology
PhD, St Petersburg State University, 1996

Nathan L Bangs, Research Professor
John A and Katherine G Jackson School of Geosciences
PhD, Columbia University (New York), 1991

Jay L Banner, Professor
Fred M. Bullard Professorship in Geological Sciences
Department of Earth and Planetary Sciences
PhD, State University of New York at Stony Brook, 1986

Jaime D Barnes, Professor
Department of Earth and Planetary Sciences
PhD, University of New Mexico-Albuquerque, 2006

Miriam Barquero-Molina, Associate Professor of Practice
Department of Earth and Planetary Sciences
PhD, University of Texas at Austin, 2009

Fred C Beach, Assistant Professor of Practice
Department of Earth and Planetary Sciences, Department of Finance,
Department of Business, Government and Society, McKetta Department
of Chemical Engineering, and Energy and Earth Resources Graduate
Program
PhD, University of Texas at Austin, 2010

Thorsten Becker, Professor
Shell Companies Foundation Distinguished Chair in Geophysics, Shell
Companies Foundation Distinguished Chair in Geophysics
Department of Earth and Planetary Sciences
PhD, Harvard University, 2002

Kenneth S Befus, Associate Professor of Practice
Department of Earth and Planetary Sciences
PhD, University of Texas at Austin, 2014

Christopher J Bell, Professor
Department of Earth and Planetary Sciences
PhD, University of California-Berkeley, 1997

Donald D Blankenship, Research Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of Wisconsin-Madison, 1989

David Chas Bolton, Research Assistant Professor
Bureau of Economic Geology
PhD, Pennsylvania State University Park, 2021

Daniel O Breecker, Professor
Department of Earth and Planetary Sciences
PhD, University of New Mexico-Albuquerque, 2008

Alex Bump, Research Associate Professor
Bureau of Economic Geology
PhD, University of Arizona, 2001

Meinhard Bayani Cardenas, Professor
J. Nalle Gregory Regents Professorship in Geological Sciences
Department of Earth and Planetary Sciences
PhD, New Mexico Institute of Mining and Technology, 2006

Ginny A Catania, Professor
Department of Earth and Planetary Sciences and Institute for
Geophysics
PhD, University of Washington - Seattle, 2004

Elizabeth Jacqueline Catlos, Associate Professor
Department of Earth and Planetary Sciences
PhD, University of California-Los Angeles, 2000

Yangkang Chen, Research Assistant Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of Texas at Austin, 2015

Julia Allison Clarke, Professor
John A. and Katherine G. Jackson Chair in Geobiology
Department of Earth and Planetary Sciences
PhD, Yale University, 2002

Kerry H Cook, Professor
John E. "Brick" Elliott Centennial Endowed Professorship in Geological
Sciences
Department of Earth and Planetary Sciences
PhD, North Carolina State University, 1984

Jacob Aaron Covault, Research Professor
John A and Katherine G Jackson School of Geosciences
PhD, Stanford University, 2008

Ian W Dalziel, Professor
Department of Earth and Planetary Sciences and Institute for
Geophysics
PhD, University of Edinburgh, 1963

Jani Das, Research Assistant Professor
John A and Katherine G Jackson School of Geosciences
PhD, Indian Institute of Technology - Bombay, 2019

Hassan Dashtian, Research Assistant Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of Southern California, 2018

Xuesong Ding, Research Assistant Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of Sydney, 2019

Tim Paul Dooley, Research Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of London, 1994

Edward Alvin Duncan, Professor of Practice
Department of Earth and Planetary Sciences

MA, University of Texas at Austin, 1987

Peter Eichhubl, Research Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of California-Santa Barbara, 1997

Brent Elliott, Research Associate Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of Helsinki, 2001

Andras Fall, Research Associate Professor
John A and Katherine G Jackson School of Geosciences
PhD, Virginia State University, 2008

Peter P Flaig, Research Associate Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of Alaska Fairbanks, 2010

Peter Barry Flemings, Professor
Leonidas T. Barrow Centennial Chair in Mineral Resources
Department of Earth and Planetary Sciences, Bureau of Economic
Geology, and Institute for Geophysics
PhD, Cornell University, 1990

Sergey B Fomel, Professor
Wallace E. Pratt Professorship in Geophysics
Department of Earth and Planetary Sciences
PhD, Stanford University, 2001

Qilong Fu, Research Associate Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of Regina, 2005

Julia F Gale, Research Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of Exeter, 1987

James E Gardner, Professor
The Third Mr. and Mrs. Charles E. Yager Professorship
Department of Earth and Planetary Sciences
PhD, University of Rhode Island, 1993

Marcus O Gary, Adjunct Assistant Professor
Department of Earth and Planetary Sciences
PhD, University of Texas at Austin, 2009

John A Goff, Research Professor
John A and Katherine G Jackson School of Geosciences
PhD, Massachusetts Institute of Technology, 1990

Sophia Gong, Research Assistant Professor
Bureau of Economic Geology
PhD, The Ohio State University Main Campus, 2020

Timothy Andrew Goudge, Assistant Professor
Department of Earth and Planetary Sciences
PhD, Brown University, 2015

Cyril Grima, Research Assistant Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of Grenoble, 2012

Sean S Gulick, Research Professor
Institute for Geophysics and Department of Earth and Planetary
Sciences
PhD, Lehigh University, 2000

Mahdi Haddad, Research Assistant Professor
John A and Katherine G Jackson School of Geosciences

PhD, University of Texas at Austin, 2017

Anna Ruth Weston Halberstadt, Assistant Professor
Department of Earth and Planetary Sciences
PhD, University of Massachusetts Amherst, 2022

Shuoshuo Han, Research Assistant Professor
John A and Katherine G Jackson School of Geosciences
PhD, Columbia University (New York), 2015

Paul Hearty, Adjunct Associate Professor
Department of Earth and Planetary Sciences
PhD, University of Colorado at Boulder, 1987

Mahdi Heidari moghadam, Research Assistant Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of Texas at Austin, 2013

Patrick Heimbach, Professor
W. A. "Tex" Moncrief, Jr. Endowment in Simulation-Based Engineering
and Sciences - Endowed Chair No. 3
Department of Earth and Planetary Sciences and Institute for
Computational Engineering and Science
PhD, University of Hamburg, 1998

Mark A Helper, Distinguished Senior Lecturer
Department of Earth and Planetary Sciences
PhD, University of Texas at Austin, 1985

Douglas Hemingway, Research Assistant Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of California-Santa Cruz, 2015

Peter H Hennings, Research Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of Texas at Austin, 1991

Marc Andre Hesse, Professor
Department of Earth and Planetary Sciences
PhD, Stanford University, 2008

Tony Hollenback, Assistant Professor of Instruction
Department of Chemistry and Department of Earth and Planetary
Sciences
PhD, University of Delaware, 2024

Brian K Horton, Professor
J. Nalle Gregory Chair in Sedimentary Geology
Department of Earth and Planetary Sciences and Institute for
Geophysics
PhD, University of Arizona, 1998

Seyyed Abolfazl Hosseini, Research Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of Tulsa, 2008

Susan D Hovorka, Research Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of Texas at Austin, 1990

Guo-Chin Huang, Research Assistant Professor
John A and Katherine G Jackson School of Geosciences
PhD, State University of New York at Binghamton, 2007

Michael R Hudec, Research Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of Wyoming, 1990

Xavier Janson, Research Professor

John A and Katherine G Jackson School of Geosciences
PhD, University of Miami, 2002

Zhe Jia, Research Assistant Professor
Institute for Geophysics
PhD, California Institute of Technology, 2022

Joel Peterson Johnson, Associate Professor
Department of Earth and Planetary Sciences
PhD, Massachusetts Institute of Technology, 2007

Benjamin Keisling, Research Assistant Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of Massachusetts Amherst, 2020

Charles Kerans, Professor
Robert K. Goldhammer Chair in Carbonate Geology
Department of Earth and Planetary Sciences and Bureau of Economic
Geology
PhD, Carleton University, 1982

Richard A Ketcham, Professor
Chevron Centennial Professorship in Geology
Department of Earth and Planetary Sciences
PhD, University of Texas at Austin, 1995

Wonsuck Kim, Adjunct Associate Professor
Department of Earth and Planetary Sciences
PhD, University of Minnesota-Twin Cities, 2007

Tingwei Ko, Research Assistant Professor
Bureau of Economic Geology
PhD, University of Texas at Austin, 2017

J Richard Kyle, Professor
Department of Earth and Planetary Sciences
PhD, University of Western Ontario, 1977

Toti E Larson, Research Associate Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of New Mexico-Albuquerque, 2003

John C Lassiter, Professor
Department of Earth and Planetary Sciences
PhD, University of California-Berkeley, 1995

Luc L Lavier, Professor
Department of Earth and Planetary Sciences and Institute for
Geophysics
PhD, Columbia University (New York), 1999

Timothy F Lawton, Research Associate Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of Arizona, 1983

Wonhyun Lee, Research Assistant Professor
John A and Katherine G Jackson School of Geosciences
PhD, Texas A & M University, 2018

Lucas J Legendre, Lecturer
Department of Earth and Planetary Sciences
PhD, Sorbonne University, 2014

Jung-Fu Lin, Professor
Dave P. Carlton Centennial Professorship in Geology
Department of Earth and Planetary Sciences
PhD, University of Chicago, 2002

Marek Locmelis, Associate Professor

Alexander Deussen Professorship of Energy Resources
Department of Earth and Planetary Sciences and Bureau of Economic
Geology
PhD, Macquarie University, 2011

Robert G Loucks, Research Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of Texas at Austin, 1976

Christopher Lowery, Research Assistant Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of Massachusetts Amherst, 2015

Matthew Alan Malkowski, Assistant Professor
Department of Earth and Planetary Sciences
PhD, Stanford University, 2016

Shujuan Mao, Assistant Professor
Department of Earth and Planetary Sciences
PhD, Massachusetts Institute of Technology, 2021

Craig Martin, Assistant Professor
Department of Earth and Planetary Sciences
PhD, Massachusetts Institute of Technology, 2023

Rowan Clare Martindale, Associate Professor
Department of Earth and Planetary Sciences
PhD, University of Southern California, 2012

Ashley Michelle Matheny, Associate Professor
Department of Earth and Planetary Sciences
PhD, The Ohio State University Main Campus, 2016

Tip Meckel, Research Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of Texas at Austin, 2003

Abouzar Mirzaei Paiaman, Research Assistant Professor
Bureau of Economic Geology
PhD, Sharif University of Technology, 2014

Ashraf Mohamed Rateb Mohamed, Research Assistant Professor
Bureau of Economic Geology
PhD, National Cheng Kung University, 2017

David Mohrig, Professor
Peter T. Flawn Centennial Chair in Geology
Department of Earth and Planetary Sciences
PhD, University of Washington - Seattle, 1994

Claudia I Mora, Professor
John A. and Katherine G. Jackson Decanal Chair in the Geosciences
Department of Earth and Planetary Sciences and John A and Katherine
G Jackson School of Geosciences
PhD, University of Wisconsin-Madison, 1988

Lorena G Moscardelli, Research Associate Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of Texas at Austin, 2007

Hailun Ni, Research Assistant Professor
John A and Katherine G Jackson School of Geosciences
PhD, Stanford University, 2020

Jean P Nicot, Research Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of Texas at Austin, 1998

Maria-Aikaterini Nikolinakou, Research Professor

John A and Katherine G Jackson School of Geosciences
ScD, Massachusetts Institute of Technology, 2008

Dev Niyogi, Professor
William Stamps Farish Chair in Geology
Department of Earth and Planetary Sciences
PhD, North Carolina State University, 2000

Osareni Christopher Ogiesoba, Research Associate Professor
John A and Katherine G Jackson School of Geosciences
PhD, McGill University, 2008

Yuko M Okumura, Research Associate Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of Hawaii at Manoa, 2005

Cornel Olariu, Research Associate Professor
Department of Earth and Planetary Sciences
PhD, University of Texas at Dallas, 2005

Jeffrey G Paine, Research Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of Texas at Austin, 1991

Emmanouil Parastatidis, Research Assistant Professor
Bureau of Economic Geology
PhD, Leeds Metropolitan University, 2019

Camille Parmesan, Adjunct Professor
Department of Earth and Planetary Sciences
PhD, University of Texas at Austin, 1995

Judson Wiley Partin, Research Associate Professor
John A and Katherine G Jackson School of Geosciences
PhD, Georgia Institute of Technology, 2008

Sheng Peng, Research Associate Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of Arizona, 2004

Geeta Persad, Assistant Professor
Department of Earth and Planetary Sciences and Institute for Geophysics
PhD, Princeton University, 2016

Mary F Poteet, Assistant Professor of Practice
College of Natural Sciences and Department of Earth and Planetary Sciences
PhD, University of California-Berkeley, 2001

Michael Prior, Assistant Professor of Instruction
Department of Earth and Planetary Sciences
PhD, University of Texas at Austin, 2016

Cornelia Rasmussen, Research Assistant Professor
Institute for Geophysics
PhD, University of Utah, 2018

Daniella M Rempe, Associate Professor
Department of Earth and Planetary Sciences
PhD, University of California-Berkeley, 2016

Katherine D Romanak, Research Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of Texas at Austin, 1997

Leopoldo Matias Ruiz Maraggi, Research Assistant Professor
Bureau of Economic Geology
PhD, University of Texas at Austin, 2022

Demian M Saffer, Professor
Scott Petty, Jr. Endowed Director's Chair for the University of Texas
Institute for Geophysics
Department of Earth and Planetary Sciences and Institute for Geophysics
PhD, University of California-Santa Cruz, 1999

Alexandros Savvaidis, Research Professor
John A and Katherine G Jackson School of Geosciences
PhD, Aristotle University of Thessaloniki, 1998

Bridget R Scanlon, Research Professor
William L. Fisher Endowed Chair in Geological Sciences
John A and Katherine G Jackson School of Geosciences
PhD, University of Kentucky, 1985

Nur Schuba, Research Assistant Professor
John A and Katherine G Jackson School of Geosciences
PhD, Rice University, 2019

Mrinal K Sen, Professor
Morgan J. Davis Centennial Chair in Geosciences
Department of Earth and Planetary Sciences and Institute for Geophysics
PhD, University of Hawaii at Manoa, 1987

Timothy Michael Shanahan, Associate Professor
Department of Earth and Planetary Sciences
PhD, University of Arizona, 2006

Helen Siegel, Assistant Professor of Instruction
Department of Earth and Planetary Sciences
PhD, Yale University, 2024

Katie M Smye, Research Associate Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of Cambridge, 2012

John W Snedden, Research Professor
John A and Katherine G Jackson School of Geosciences
PhD, Louisiana State University and Agricultural and Mechanical College, 1985

Krista M Soderlund, Research Associate Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of California-Los Angeles, 2011

Kyle Thomas Spikes, Associate Professor
Department of Earth and Planetary Sciences
PhD, Stanford University, 2008

Daniel Stockli, Professor
John F. and Carolyn C. Bookout Endowed Chair in Structural Geology
Department of Earth and Planetary Sciences
PhD, Stanford University, 2000

Chenguang Sun, Assistant Professor
Department of Earth and Planetary Sciences
PhD, Brown University, 2014

Xun Sun, Research Assistant Professor
Bureau of Economic Geology
PhD, China University of Geosciences, 2014

Zoltan Sylvester, Research Professor
Bureau of Economic Geology and Department of Earth and Planetary Sciences
PhD, Stanford University, 2001

Tewodros A Tesfamichael, Visiting Professor
Department of Earth and Planetary Sciences
PhD, Technische Universität, 2011

James Oliver Thompson, Research Assistant Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of Pittsburgh at Pittsburgh, 2020

Justin C Thompson, Research Assistant Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of Texas at Austin, 2021

Nicola Tisato, Associate Professor
Department of Earth and Planetary Sciences
PhD, Swiss Federal Institute of Technology, 2013

Danielle Touma, Research Assistant Professor
John A and Katherine G Jackson School of Geosciences
PhD, Stanford University, 2019

Estibalitz Ukar, Research Associate Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of Texas at Austin, 2010

Harm J Van Avendonk, Research Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of California-San Diego, 1998

Laura Wallace, Research Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of California-Santa Cruz, 2001

Clark R Wilson, Professor
Department of Earth and Planetary Sciences and Center for Space
Research
PhD, University of California-San Diego, 1975

Zong-Liang Yang, Professor
John A. and Katherine G. Jackson Chair in Earth System Sciences
Department of Earth and Planetary Sciences
PhD, Macquarie University, 1992

Kehua You, Research Assistant Professor
John A and Katherine G Jackson School of Geosciences
PhD, Texas A & M University, 2013

Duncan A Young, Research Associate Professor
John A and Katherine G Jackson School of Geosciences
PhD, Southern Methodist University, 2003

Michael Howard Young, Research Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of Arizona, 1995

Hongliu Zeng, Research Professor
John A and Katherine G Jackson School of Geosciences
PhD, University of Texas at Austin, 1994

Tongwei Zhang, Research Professor
John A and Katherine G Jackson School of Geosciences
PhD, Chinese Academy of Sciences, 1999