CURRICULUM VITAE

ERIC C. FERRÉ

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EDUCATION

Université Paul Sabatier, Toulouse III, France
2000 Habilitation, Geology
1989 PhD in Geology, with Honors
1985 MSc in Geology, with Honors
1984 BSc in Geology, with Honors

EMPLOYMENT

Department of Geological Sciences, New Mexico State University
2024-date Head of Geological Sciences, Full Professor
School of Geosciences, University of Louisiana at Lafayette, Lafayette, Louisiana, USA
2018-2024 Director of the School of Geosciences, Full Professor
Larry Hensarling & Roger Chapman Endowed Professorship
Department of Geology, Southern Illinois University (SIU), Carbondale, Illinois, USA
2010-2018 Full Professor
2006-2010 Associate Professor
2002-2006 Assistant Professor, tenured in 2006
University of Wisconsin, Madison, Wisconsin, USA
2001-2002 Research Associate
Rhodes University, Grahamstown, Eastern Cape, South Africa
1999-2001 Associate Professor
1996-1999 Assistant Professor, tenured in 1999
Other Appointments
2015 (Fall) Invited Professor, Department of Earth Sciences, ETH- Zürich, Switzerland
2009 (Spring) Invited Professor, University of Montpellier, France
2000 (Spring) Invited Professor, University of Minnesota, Minneapolis, USA
1990-1995 Program Director, Geoscience Development, French Foreign Affairs, Nigeria
1989-1990 Post-doctoral Fellow of the British Council, Glasgow University, U-K

PROFESSIONAL SERVICE

2023-date Geological Society of America - Arthur L. Day Medal Award Committee Member
2022-date Associate Editor: *Frontiers in Earth Sciences* (2 papers)
2019-2022 Member, GSA Penrose Conferences & Thompson Field Forums Committee
2017-2020 Member, U.S. Advisory Committee for Scientific Ocean Drilling (USAC)
2017-2020 Member of the GSA Committee to revitalize Penrose Field Conferences
2004-2018 Director of Geology Field Camp and Undergraduate Program Director at SIU
2013-2015 Panel Member of the NSF Graduate Research Fellowship Program
2013-2016 Panel Member of the International Ocean Discovery Program Science Evaluation
2008-2016 Associate Editor: *Journal of Geophysical Research: Solid Earth* (handled 113 papers)
2013-2015 Associate Editor: *Geology* (60 papers)
2006-2009 Associate Editor: *Bulletin of the Geological Society of America* (32 papers)

NOTEWORTHY ACCOMPLISHMENTS

- 107 articles in peer-reviewed journals, *h*-index (Scholar) = 36, 4,581 citations (Scholar)
- 10 invited presentations at international conferences
- Selected to sail on four IODP Expeditions between 2011 and 2021 (335, 352, 368, and 396)

INTERNATIONAL OCEAN DISCOVERY PROGRAM (IODP) - SERVICE

2022	IODP Expedition 396, Editorial Meeting, College Station, TX
2021-2022	Ocean Discovery Lecturer for 2021-2022 academic year (6 lectures)
2020	Host of the *In Search of Earth Secrets* exhibition at the Lafayette Science Museum
2019	*NEXT* Workshop, Scientific Drilling beyond 2023, Denver, CO
2019	New Caledonia Amphibious Drilling Workshop, Montpellier, France
2017-2020	Member, U.S. Advisory Committee for Scientific Ocean Drilling (USAC)
2017	Shipboard scientist on Expedition 368, South China Sea Rifted Margin
2013-2016	Member, Science Evaluation Panel (SEP)
2016	Brazilian Equatorial Margin Workshop II, Ubatuba, Brazil
2014	Shipboard scientist on Expedition 352, Izu-Bonin subduction initiation
2013	Organizer Expedition 335 2nd post-cruise meeting in Corsica, France, organizer
2012	Featured in *Core Discovery* Fall 2012, Community Spotlight
2012	Panel Member, IODP Workshop on Building U.S. Strategies 2013-2023
2012	Shore-based scientist Expedition 345, Hess deep, East Pacific Rise
2011	Shipboard scientist on Expedition 335, Superfast spreading, East Pacific Rise
2011	Igneous core description, *DescLogik* workshop, College Station, TX

INVITED SEMINARS (SINCE 2003)

2023	International Ocean Discovery Program - Geomar, Kiel, Germany
2020	Baton Rouge Geological Society, LA, USA
2019	Louisiana State University, LA, USA
2018	University of Kentucky, KY, USA
2018	CEREGE, University of Aix-en-Provence, France
2018	University of Louisiana at Lafayette, LA, USA
2018	National Science Foundation, Alexandria, VA, USA
2017	Çukurova University, Adana/Kahramanmaraş Sütçü İmam University, Turkey
2017	Chinese Academy of Geological Sciences, Beijing
2017	Iowa State University, IA, USA
2015	Virginia Tech, VA, USA
2015	Academia Sinica, National Taiwan University, Taiwan
2015	Institute for Rock Magnetism, University of Minnesota, Minneapolis, MN, USA
2014	University of Texas A & M, TX, USA
2014	University of Plymouth, U-K
2014	University of Texas, El Paso, TX, USA
2014	University of Wisconsin, Oshkosh, USA
2013	University of Canterbury, New Zealand
2013	University of North Carolina, Chapel Hill, USA
2012, 2005	University of Oslo, Norway
2012	National Taiwan University, Taiwan
2010	CEREGE, University of Aix-Marseille, France
2009, 2003	University of Montpellier, France
2009	University of Nantes, France
2009	University of Saint-Etienne, France
2007, 2005	Institute for Research and Development, New Caledonia
2006	University of Pittsburg, PA, USA
2005	University of Memphis, TN, USA
2005	Oklahoma State University, OK, USA

2004 University of Southern California, CA, USA
2004 Washington University in Saint-Louis, MO, USA
2003 University of Illinois Urbana-Champaign, IL, USA
2003 Shizuoka University, Japan

CONTINUED MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

- American Geophysical Union (since 2000), Geological Society of America (since 1998), European Geoscience Union (since 1994), National Association of Geoscience Teachers (since 2004), Sigma Xi (since 2007)

FIELDS OF RESEARCH / KEY METHODOLOGIES

- Seismic deformation and electromagnetism, deep lithospheric magnetic sources, heat transfer in the oceanic crust, rheology of the upper mantle and lower crust
- Rock magnetism, paleomagnetism, forward modeling of magnetic anomalies, 3-D image analysis for petrofabric studies, lattice-preferred orientation, microstructural petrography

RECENT UNIVERSITY AND DEPARTMENT SERVICE

Service to New Mexico State University
2024 Provost Awards Committee
Service to the University of Louisiana at Lafayette
2023 Search committee for Faculty position in Environmental Science
2023 Search committee for Faculty position in Structural Geology
2023 Coordinator of Research Microscopy Facilities (SEM and optical, HH324)
2023 Field Camp Director, including maintenance of vehicles and trailers
2023 Coordinator of Petrographic and Rock cutting Facilities
2023 Complete restructuring and sorting of rock and mineral collections (HH220)
2021 Graduate Faculty Representative on an external PhD Committee
2019-2020 Diversity Advisory Committee, member
2019-date Graduate Council, member
Service to Southern Illinois University (SIU)
2012 Search Committee for the Dean of Education, member
2010-2018 Review Panel for Masters Fellowships, member
2007-2018 PhD Admissions & Review Committee for the ERP program, member
2002-2018 Outstanding Thesis Committee, member
Service to the Department of Geology at SIU
2012-2018 Undergraduate Studies, director
2004-2018 Geology Field Camp, director
2011-2015 Space Committee, member
2010 Petrology Search Committee, chair
2002-2018 Speakers Committee, 2004, 2007, 2010, 2011, and 2012, chair
2002-2012 Geology Club, advisor
2002-2008 Scholarship and Fellowship Committee, chair in 2005
2002-2008 Web Page Committee, member

OUTREACH ACTIVITIES

2022&2023 Presentations at the *Lafayette Geological Society*
2018-2023 Preview Day (9/16/23)
2018-present Regular participation in *Science on the Bayou* seminars
2020 *Skype a Scientist* with McKinley Middle Academic Magnet in Baton Rouge
2020 *In Search of Earth's Secrets* IODP exhibition at the Lafayette Science Museum
2015 Geology of Southern Illinois and fracking, Union County, Illinois
2014 Live broadcasts at sea with secondary schools, from IODP Expedition 352
2013 Environmental Geology day at SIU for Carbondale high school

2012	Guided tour of Southern Illinois for a religious group of teenagers
2012	Article about Geology Field Camp for Geology.com
2011	Live broadcasts at sea with secondary schools, from IODP Expedition 335
2007	Guided tour on the geology of Southern Illinois for a Japanese high school
2004-2014	Little Egypt Grotto (spelunking organization): scientific seminars
2004-2018	Unity Point Secondary School, Carbondale, IL: Presentations on volcanoes and earthquakes, application for loan of an IRIS seismometer

RESEARCH COLLABORATIONS

USA: Stanford (Ernst), Johns Hopkins (Marsh), Wisconsin-Madison (Tikoff), Illinois-Urbana Champaign (Lundstrom, Marshak), Minneapolis (Teyssier, Jackson, Feinberg), Texas-Dallas (Geissman), Texas-Austin (Catlos), Boston (Kruckenberg), Virginia Tech (Law)
Canada: British Columbia (Christensen)
Switzerland: ETH-Zürich (Hirt), Bern (Biedermann)
United Kingdom: Oxford (Searle), Leeds (Lloyd), Liverpool (Hill), Plymouth (Morris)
Norway: Oslo (Planke, Polteau, Galland), Trondheim (McEnroe)
France: Toulouse (De Saint Blanquat), Aix-Marseille (Gattacecca, Rochette), Montpellier (Ionov, Caby, Vauchez, Tommasi), Nancy (Vanderhaeghe)
Italy: Padova (Di Toro), Roma (Spagnuolo), Chieti-Pescara (Satolli)
Spain: Madrid (Martín-Hernández), Granada (Garrido)
Japan: Kyoto (Lin), Tsukuba (Anma), Kanazawa (Arai), Hokkaido (Python)
Taiwan: National Taiwan University (Yeh)
China: Beijing (Haibing Li, Caicai Liu, Dongliang Liu), Shenzhen (Chou)
South Africa: Rhodes (Marsh), Council for Geoscience (Mare)

GRADUATE STUDENTS ADVISED (AS MAIN ADVISER)

New Mexico State University
Luke Horsu (MSc, 2025)
University of Louisiana at Lafayette: Elham Hosseinzadehsabeti[#] (PhD, 2021), Abigail Choisser (MSc, 2021), Nina Zamanialavijeh (MSc, 2021), Haley Magliari (MSc, 2023), Michael Young (MSc, 2023), David Starkovich (MSc, 2025), Haley Benoit (MSc, 2025), Victoria Sanchez (MSc, 2025), Luke Horsu (MSc, 2025)
SIU, Carbondale, USA: Geraldine Nzokwe[#] (MSc, 2005), Matthew Zechmeister* (MSc, 2005), Jen Kelley[#] (MSc, 2007), France Belley[#] (MSc, 2008), Michael Marsh* (MSc, 2010), Sarah Friedman*[#] (MSc, 2011), Lulu Tsige[#] (MSc, 2011); Kevin Butak (MSc, 2012), Nathaniel Liodas (MSc, 2012), France Belley-Biswas[#] (PhD, 2012), Jarek Trela (MSc, 2013), Elif Uz[#] (MSc, 2013), Gerhard Heij (MSc, 2014), Sarah Friedman[#] (PhD, 2015), Caitlyn Korren[#] (MSc, 2015), Joseph Wnukowski (MSc, 2015), Natalie Leibovitz[#] (MSc, 2016), Andrea Meado[#] (MSc, 2017), John Ejembi[#] (PhD, 2018), Elham Hosseinzadehsabeti[#] (PhD, 2019~)
* Denotes GSA Geophysical Division, Allan V. Cox Award
# Denotes underrepresented minorities in the Science & Engineering fields (based on NSF criteria)
Rhodes University, Grahamstown, South Africa: Cécile Bordarier (MSc, 2000)
University of Jos, Jos, Nigeria: Ishiaya Kwada (MSc, 1994), Paulinus Nnabo (MSc, 1994), Deborah Nykwagh (MSc, 1995), Jacqueline Déléris (PhD, 1996)

PHD AND MSC COMMITTEE MEMBER

New Mexico State University
Amit Millo (MSc, 2025)
University of Louisiana at Lafayette: MSc of Olawale Ariyibi and Brock Smith, 2019-2020, MSc of Kristen Morris, 2019-2021, MSc of Gracie Babineaux and Michael Young, 2021-2022, MSc of Niya Davis, Corey Diley, Isa Cole, and Danielle Noto (2022-2023), Funmi Babaola (2023-2025)

Centre d'Etudes et Recherches sur l'Environnement CEREGE, Université d'Aix Marseille, France: External examiner for PhD dissertation of N. Launay, 2018 (Adviser P. Rochette)
University of Johannesburg, South Africa: External examiner for PhD dissertation of Léonie P. Maré, 2015 (adviser Dr. M. De Kock)
ETH Zurich, Switzerland: External examiner for PhD dissertation of Andrea Bierdermann, 2014 (adviser Dr. A.M. Hirt)
National Taiwan University, Taipei, Taiwan: External examiner for PhD dissertation of Yu-Min Chou, 2012 (adviser Dr. S.R. Song)
Cergy Pontoise University, Cergy, France: External rapporteur for PhD dissertation of Yu-Min Chou, 2012 (adviser Dr. C. Aubourg)
University of Otago, Dunedin, New Zealand: External examiner for PhD dissertation of Giulia Airoldi, 2010 (adviser Dr. J. White)
Southern Illinois University, Carbondale, USA: 25 MSc and 5 PhD committees

RESEARCH GRANTS SINCE 2002 (LEAD PRINCIPAL INVESTIGATOR ON ALL)

United States National Science Foundation (NSF)

- Origin of high magnetic remanence in fault pseudotachylytes; EAR-0228818, $110,452; 2003-2004
- Fabric and seismic anisotropy within the lithospheric mantle: Magnetic/petrofabric studies of shear zones in the New Caledonia ophiolite; EAR-0337458, $61,899; 2004-2006
- Acquisition of a vibrating sample magnetometer for the Rock Magnetism Laboratory at SIU; EAR-0521558, $156,960 (+ $5,200 supplement); 2005-2008
- Magma dynamics in sill and dike systems: Constraints from magnetic fabrics and paleomagnetism in the Karoo Large Igneous Province; EAR-0738725, $163,851; 2008-2010
- Identification of magnetic sources in the upper mantle; EAR-1345105, $225,000; 2014-2017
- GSA Penrose Conference on Layered Mafic Intrusions; EAR-1621858, $20,000; 2016
- Acquisition of a tabletop SEM / EDS system at the University of Louisiana at Lafayette; EAR-2041040, $162,850; 2021
- Equipment: MRI: Track # 1: Acquisition of a Walker-Type Multi-anvil Apparatus to Enable Multidisciplinary High Pressure, High Temperature Research at New Mexico State University; EAR-MRI, $432,420, 2025-2028 (pending)

International Ocean Discovery Program (IODP)

- Expedition 335 - Superfast Spreading Rate Crust 4; $65,000; 2010-2012
- Expedition 352 - Izu-Bonin-Mariana fore arc; $65,000; 2014-2016
- Expedition 368 - South China Sea Rifted Margin; $70,000; 2018-2020
- Expedition 368/368X - South China Sea Rifted Margin; $7,010; 2019-2020
- Expedition 396 - Mid-Norwegian Continental Margin Magmatism; $95,204; 2021-2022
- Expedition 405 - Tracking Tsunamigenic Slip Across the Japan Trench; pending; 2024-2025
- USSSP: Novel Projects in Support of Scientific Ocean Drilling - Examining the geological record of oceanic intraplate seismicity through IODP Legacy Cores; $50,000; 2024-2025

Other grants

- SIU: Seed funding - Testing the "Clutch Tectonics" model; $10,000; 2003
- Illinois State Geological Survey: Hicks Dome fabrics; $5,000, 2005
- National Geographic Society: The strength of the oceanic lithosphere; $16,800; 2006-2007
- SIU: Undergraduate Research Grant - Magma flow pattern in the Karoo LIP; $7,900; 2011
- SIU: Seed funding - Long wavelength satellite magnetic anomalies; $40,000; 2012
- SIU: Identification of magnetic sources in the upper mantle (match); $25,000; 2014-2015
- ULL: Applications of Hyperspectral Microscope and Macro-Imaging Systems in Earth Science; $10,000; 2023-2024

- Statewide California Earthquake Center: "Significance of frictional melts and their kinematics during seismic rupture: example from extensive pseudotachylyte networks in the Santa Rosa Mountains, California", $31,105, 2025 (pending).

EVALUATION OF MANUSCRIPTS FOR JOURNALS AND PROPOSALS FOR AGENCIES

- **Reviewer of >196 manuscripts**

ACS Earth and Space Chemistry, Basin Research, Bulletin of the Geological Society of America, Chemical Geology, Communications in Earth and Environment (Nature), Earth and Planetary Science Letters, Elements, Frontiers Earth Sciences, Geology, Geophysical Journal International, Geophysical Research Letters, GSA Books, G3, Gondwana Research, Journal of African Earth Sciences, Journal of Asian Earth Sciences, Journal of South American Earth Sciences, Journal of Geophysical Research: Solid Earth, Journal of Structural Geology, Journal of the Geological Society, Journal of Volcanology and Geothermal Research, Lithos, Lithosphere, Marine and Petroleum Geology, Nature, Nature Communications, Nature Geoscience, Physics of the Earth and Planetary Interiors, Precambrian Research, Quaternary International, Science, Science Advances, Sedimentary Geology, Swiss Journal of Geosciences, Tectonics, and Tectonophysics.

- **Reviewed over 63 funding proposals**

National Science Foundation, Natural Sciences and Engineering Research Council of Canada, Québec Research Foundation, Israel Science Foundation, Deutsche Forschungsgemeinschaft, Fondazione Cariplo, Netherlands Organization for Scientific Research, Irish Research Council for Science, Czech Science Foundation, South African National Research Foundation, French Polar Scientific Expeditions.

- **Outstanding Reviewer for *Journal of Structural Geology*** (2016)
- **Outstanding Reviewer for *Tectonophysics*** (2008)

SYNERGISTIC ACTIVITIES

- **IODP International Collaboration (Italy-USA-Japan) on Japan Trench Fault Rocks – 2024-2025**
- **Outstanding Student Presentation Award judge at AGU meetings 2018 to 2023**
- **Lead organizer of GSA Penrose Conf. 2016 Layered mafic intrusions & associated deposits**
- **Contributor to NSF Tectonics workshop 2017** (Huntington, K.W. and Klepeis, K.A., 2018. doi.org/10.6069/H52R3PQ5)
- **Co-Guest Editor of four Special Issues**

Journal of Structural Geology: Thermochronological & Magnetic Advances on Faulting Processes, 2024
Frontiers: Advances in Magnetism of Soils and Sediments, 2021
Tectonophysics: Crustal and mantle magnetic anomalies, 2014
Lithos: Layered mafic intrusions: physical and chemical processes, 2009
Tectonophysics: Pseudotachylytes and seismogenic friction, 2005

- **Session Convener at American Geophysical Union annual conference**

Magnetism of sediments, soils and organisms, and how they are influenced by changing geomagnetic fields and the environment, 2019
The physical properties of fault rocks, 2015
Paleomagnetism and magnetic fabrics applied to geologic problems, 2013
Crustal and mantle sources of magnetic anomalies, 2012
Recent progress in magnetic fabrics and applications to earth sciences, 2010
Partial melting and deformation processes in continental lithosphere, 2009
Magnetic properties and behavior of single crystals and their inclusions, 2008
Physical and chemical processes in layered mafic intrusions, 2007
The elusive subcontinental mantle: its history, deformation and anisotropy, 2005

- **Session Co-Convener at Geological Society of America annual conference**

Seismogenic friction and pseudotachylytes, 2003
AMS of granitic rocks: New developments, interpretations and challenges, 2002

- **Session Co-Convener at the Fifth Hutton Symposium**

Structural and tectonics controls of granite emplacement, Toyohashi, Japan, 2003

BOOK REVIEWS

- Hatcher and Bailey's *Structural Geology*, Oxford University Press, 2016
- Clarke, Stimpson and Leslie's *Advanced Geological Mapping*, Wiley, 2013
- Fossen's *Structural Geology* 1st ed., Cambridge Press, 2010
- Marshak's *Portrait of a Planet* 3rd ed., Norton Publishing, 2009

CONSULTING EXPERIENCE

- Stallard Scientific Editing, New Zealand: scientific editing of manuscripts, 2011-2012
- De Beers, Venetia Mine, South Africa: open pit slope stability, 2000-2001
- Falconbridge Ventures, South Africa: structural geology of Karoo intrusives, 1998-2001
- Rossing Uranium Mine, Namibia: open pit slope stability, 1997-2000
- GoldFields, South Africa: structural geology of the Bushveld granites, 1996-1998

TEACHING EXPERIENCE

Teaching interests and specialties: Structural Geology, Tectonics, Field Geology, Rock Magnetism, Paleomagnetism, Environmental Magnetism, Geologic Remote Sensing

University of Louisiana at Lafayette (2018-present)
Teaching load: 4 courses/year

- GEOL105 Geology and Man
- GEOL400 Field camp
- GEOL450G Landscape Evolution
- GEOL480 Remote Sensing Geology
- GEOL498G Field Geology
- GEOL499 Geology Seminar
- GEOL511 Environmental Magnetism
- EESC604 Research Challenges in Earth and Energy Sciences
- ENVS457/501 Environmental magnetism

Southern Illinois University at Carbondale (2002-2018)
Teaching load: 3 to 4 courses/year and 6 weeks of field camp

- GEOL110 Geology and the Environment
- GEOL113 Geology Field Trips
- GEOL302 Structural Geology
- GEOL420 Petroleum Geology
- GEOL438 Potential Fields Geophysics
- GEOL440 Independent Study
- GEOL451 Field Experience in Geology (in California)
- GEOL454 Field Geology (in Montana, Wyoming, Idaho)
- GEOL466 Tectonics
- GEOL484/577 Geologic Remote Sensing
- GEOL535A Rock Magnetism and Paleomagnetism
- GEOL535B Environmental Magnetism
- GEOL591 Independent Study
- ERP500 Plate Tectonics
- ERP598 Seminars in Tectonics
- UHON351 Mars, our next home?

University of Wisconsin-Madison (2001-2002)

- GEOL875 Rock Magnetism and Paleomagnetism

University of Minnesota-Minneapolis (2000)

- GEOL850 Rock Magnetism and Paleomagnetism

Rhodes University, South Africa (1996-2000)

- Geophysics
- Deformation Mechanisms
- Structural Geology
- Geodynamics
- Geologic Remote Sensing

University of Jos, Nigeria (1990-1995)

- Advanced Geological Remote Sensing
- Stress and Strain Analysis
- Igneous and Metamorphic Petrology
- Optical Mineralogy

University of Glasgow, Scotland (1990)

- Igneous and Metamorphic Petrology, laboratory and field trips
- Metamorphic Petrology, Structural Geology and Mapping, laboratory and field trips

PUBLICATIONS

Manuscripts in Preparation

Ferré, E.C., Sager, W.S., Michibayashi, K., Morgan, S., Christeson, G., Petronotis, K., Reagan, M.K., Pearce, J.A., and Godard, M. Shallow magnetic sources in the Izu-Bonin forearc volcanics: Results from IODP Expedition 352. *Tectonophysics*.

Persaud, P., Ferré, E.C., Straub, S., Kitajima, H., Dorais, M., Gomez Tuena, A., Mallick, S., and Stock, J. Implications for Rift Initiation in the South China Sea from the Anisotropic Properties of Paleozoic Mylonites. *Science Advances*.

Satolli, S., Wu, H., and Ferré, E.C. Magnetic fabric in rift sediments from IODP Expedition 368 in South China Sea. *Geophysical Journal International*.

Liu, Q., Zheng, J., Li, Z., Yang, T., Ping, X., Giffin, W.L., Frost, B.R., and Ferré, E.C. Paleoarchean magnetic continental lower crust. *Geophysical Research Letters*.

Satolli, S., Wu, H., and Ferré, E.C. New results from IODP Sites 1502 and U1504 in the South China Sea: Towards an improved Early Miocene to Pliocene magnetostratigraphic age model. *PLoS One*.

Frieling, J., Jones, M.T., Fendley, I.M., Mather, T.A., Xu, W., Alvarez Zarikian, C.A. and Expedition 396 scientists including Ferré, E.C. Constraints on volcanic and thermogenic carbon emissions during the Paleocene-Eocene Thermal Maximum. *Proceedings of the National Academy of Science*.

Manuscripts in Review

Zamani, N., Satolli, S., Murphy, M. A., Demory, F., Pace, B., Gattacceca, J., Kaňuk, J., Nováková, M. Gottardi, R., and Ferré, E.C. (submitted). Record of seismic slip in carbonates: insights from the Venere Fault during the 1915 Avezzano earthquake (Mw 7.0), Central Italy. *Journal of Structural Geology*.

Honarbakhsh L., Ferré, E.C., and Geissman, J.W. (submitted). Formation depth of earthquake pseudotachylytes. *Communications Earth and Environment*.

Longman, J., Clementi, V.J., Frieling, J., Jones, M.T., Chaterjee, S., Planke, S., Berndt, C., Alvarez Zarikian, C., Betlem, P., Brinkhuis, H., Christopoulou, M.E., Ferré, E.C., Filina, I., Harper, D., Lambart, S., Millett, J.M., Mohn, G.T.F., Scherer, R.P., Varela, N., Xu, W., Yager, S.L. and the IODP Expedition 396 Party (submitted). The impact of silicate diagenesis on Early Eocene climate. *Earth and Planetary Science Letters*.

Zamani, N., Murphy, M.A., Ferré, E.C., and Barou, F. (submitted). Unraveling carbonate fault dynamics, from friction to decarbonation, through the 1959 Mw 7.2 earthquake in Montana. *Scientific Reports*.

Refereed Articles in Journals

107. Asti, R., Saspiturry, N., de Saint-Blanquat, M., Sorriaux, P., and Ferré, E.C. (2025). Detachment faulting and mantle exhumation beneath an allochthonous carbonate cover: insights from the Gouffre Georges (Lherz Massif, Pyrenees, France). *Tectonics*, 10.1029/2024TC008757.

106. Persaud, P., Schneida, A., Shepard, H., Rios, S., Juarez-Zuñiga, A., Goseyun, A., Sadler, B., Ferré, E.C., Ghose, R., Gottardi, R., Luttrell, K., Poku-Agyemang, K., Samuel, D., Yang, S., Ajah, N.J., Attia, M., Brockamp, B.M., Coulibaly, K.A., Kgoadi, R., Kumar, S., Mahatsente, R., Meaux, S.L., Muñoz-Santos, L.F., Omojola, J., Rosero-Rueda, S.P., and Pulliam, J. (2024). Volunteer-led, short-term, geophysical field experiment: lessons for inviting broader participation, building public trust and communicating science. *GSA Today*, 34, 4–6, doi.org/10.1130/GSATG590GW.1.

105. Morris, A.M., Lambart, S., Stearn, M.A., Bowman, J.R., Jones, M.T., Mohn, G.T.F., Andrews, G.D.M., Millet, J., Tegner, C., Chatterjee, S., Frieling, J., Guo, P., Berndt, C., Planke, S., Alvarez Zarikian, C., Betlem, P., Brinkhuis, H., Christopoulou, M.H., Ferré, E.C., Filina, I.V., Harper, D.T., Longman, J., Scherer, R.P., Varela, N., Xu , W., Yager, S., Agarwal, A., and

Clementi, V.J. (2024). Evidence for Low-Pressure Crustal Anatexis During the Northeast Atlantic Break-up. *Geochemistry, Geophysics, Geosystems*, 2023GC011413.

104. Vickers, M. L., Jones, M. T., Longman, J., Evans, D., Ullmann, C. V., Wulfsberg Stokke, E., Vickers, M., Frieling, J., Harper, D. T., Clementi, V. J., and IODP Expedition 396 Scientists including Ferré, E.C. (2024). Paleocene–Eocene age glendonites from the Mid-Norwegian Margin – indicators of cold snaps in the hothouse?, Climate of the Past, 20, 1–23, https://doi.org/10.5194/cp-20-1-2024, 2024.
103. Zhang, L., Li, H., Ferré, E. C., Sun, Z., Chou, Y. M., Cao, Y., Wang, H., Zheng, Y., Li, C. and Hosseinzadehsabeti, E. (2024). Focal mechanism of a Late Triassic large magnitude earthquake along the Longmen Shan fault belt, eastern Tibetan Plateau. *Journal of Structural Geology*, *178*, 105015.
102. Berndt, C., Planke, S., Alvarez Zarikian, C.A., Frieling, J., Millett, J.M., Jones, M.T., Brinkhuis, H., Bünz, S., Svensen, H.H., Longman, J., Scherer, R.P., Karstens, J., Manton, B., Huismans, R.S., Agarwal, A., Andrews, G.D.M., Betlem, P., Bhattacharya, J., Chatterjee, S., Christopoulou, M., Clementi, V.J., Ferré, E.C., Filina, I.Y., Guo, P., Harper, D.T., Lambart, S., Mohn, G., Nakaoka, R., Tegner, C., Varela, N., Wang, M., Xu, W., and Yager, S.L. (2023). Shallow-water hydrothermal venting linked to the Paleocene Eocene Thermal Maximum. *Nature Geoscience*, doi.org/10.1038/s41561-023-01246-8.
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