CURRICULUM VITAE

MEGAN E. FLANSBURG
Visiting Assistant Professor

Department of Geosciences mflansbu@oberlin.edu
Oberlin College and Conservatory Office: Carnegie 407

EDUCATION

2018-**2022**	**Ph.D.**, Geological Sciences The University of Texas at Austin, GPA 3.98 Advisor: Daniel F. Stockli Committee: Richard A. Ketcham, Sharon Mosher, John S. Singleton (Colorado State Univ.), Michael L. Wells (Univ. of Nevada-Las Vegas)
2016-**2018**	**M.S.**, Geological Sciences The University of Texas at Austin, GPA 3.95 Advisor: Daniel F. Stockli Committee: Whitney M. Behr, Konstantinos Soukis (University of Athens)
2011-**2015**	**B.S.**, Geology (*High Honors*) Secondary Major: Environmental Science & Policy College of William & Mary, GPA 3.82, *Summa cum Laude* Advisor: Christopher M. Bailey Committee: Brent E. Owens, Douglas A. DeBerry External NSF-REU Supervisor: Calvin F. Miller (Vanderbilt Univ.)

RESEARCH INTERESTS

Petrochronology, geochronology and thermochronology, field geology and field teaching, multi-scale structural geology and tectonics, metamorphic petrology, metamorphic core complexes, diffuse plate boundaries, brittle-ductile transition and mid-crustal/mylonitic fabrics, apatite/titanite/zircon geochemistry, volcanism and supereruptions, continental rifting, science education and public outreach, inclusive classrooms, diversity in geoscience
Regions: North American Cordillera and Basin & Range, Eastern Mediterranean/Greek Cyclades, Central Appalachian Orogen, Eastern Siberia/Verkhoyansk

AWARDS and FELLOWSHIPS

National/International

2014 Austin A. Sartin Best Poster Award, GSA National Meeting SGE Undergraduate Poster Session ($150)

Institutional

2021 Fall 2020 Outstanding TA Award, Jackson School of Geosciences, UT-Austin
2020 Python in Geoscience Research Project Winner, GEO 391 Fall 2020, UT-Austin
2020 W.R. Meuhlburger Fellowship in Structural Geology and Tectonics, Jackson School of Geosciences, UT-Austin (~$16,000)
2016 Jackson School Early Recruitment Fellowship, UT-Austin ($36,000)
2015 W&M Alumni Association Geology Prize ($250)
2015 Departmental High Honors, W&M—Senior Honors Thesis and Defense
2012 Regional Field Geology Travel Scholarship, W&M ($300)

GRANTS AND PROPOSALS

National/International

2021 Zeiss/Geological Society of America Research Grant—*pending*
2020 Mineralogical Society of America Research Grant—*not awarded*
2019 Geological Society of America Graduate Research Grant ($1,980)
2018 NSF Graduate Research Fellowship Program—*not awarded*
2017 Geological Society of America Graduate Research Grant ($1,325)

Institutional

2021 Jackson School Analytical Funds, UT-Austin ($450)
2019 Jackson School Grant-Matching Award, UT-Austin (capped at $1,000)
2017 Jackson School Off-Campus Research Award, UT-Austin ($1,635)

Teaching Experience

Visiting Asst. Prof., **GEOS 1xx EarthTime,** Oberlin Spring 2023
Visiting Asst. Prof., **GEOS 340 Structural Geology,** Oberlin Spring 2023
Visiting Asst. Prof., **GEOS 121 Geology in our Nat. Parks,** Oberlin Fall 2022
Visiting Asst. Prof., **GEOS 206 Earth's Interiors,** Oberlin Fall 2022
Teaching Assistant, **GEO 428 Structural Geology,** UT-Austin Fall 2021
Field Teaching Assistant, **GEO 660A Geologic Field Camp,** UT-Austin Summer 2021
Teaching Assistant, **GEO 428 Structural Geology,** UT-Austin Fall 2020
Field Teaching Assistant, **GEO 660B Geologic Field Camp,** UT-Austin Summer 2019
Teaching Assistant, **GEO 420K Intro. to Field and Strat. Methods,** UT-Austin Spring 2019
Field Teaching Assistant, **GEOL 310 Regional Field Geo. Big Bend NP/West TX,** W&M May 2018
Field Teaching Assistant, **GEOL 310 Regional Field Geo. Colorado Plateau**, W&M Spring 2016
Teaching Assistant, **GEOL 323 Earth Structure & Dynamics,** W&M Spring 2016
Teaching Assistant, **GEOL 311 Field Methods,** W&M Fall 2015
Teaching Assistant, **COLL 100 Weather, Climate, and Change,** W&M Fall 2015

Other Classroom Experience:

Course Enhancement Developer, **OnRamps-Geoscience,** UT-Austin Spring 2020
Grader, **OnRamps-Geoscience,** UT-Austin 2018-2019
EdShed Intern, **Jamestown Rediscovery,** Jamestown National Historic Park Fall 2015

Undergraduate Teaching Aide, **GEOL 160 Intro Geology Lab,** W&M 2013-2016
Student Grader, **Dept. of Geology Intro Courses**, W&M 2012-2014
Student Teacher, **Geology on Wheels,** Williamsburg (VA) area K-8 classrooms 2013-2015

Mentorship

PhD Students:	*Masters Students:*	*Undergraduate Students:*	*UTChron Lab Visitors*
Max Ehrenfels Laboratory Mentorship: Ethan Conrad Sandra Juarez Cat Ross Carolyn Tewksbury	Clara Brennan Emily Hinshaw Sam Robbins	Maya Ortiz Stephanie Garcia (through GeoFORCE) Jacoup Roiz (through GeoFORCE) Laboratory Mentorship: Darien Florez	Vika Ershova (Univ. St. Petersburg, RU) Elijah Turner (UNLV) Trevor Waldien (UC-D)

Professional & Research Experience

Visiting Assistant Professor, **Oberlin College** July 2022-Present

- Opportunities to mentor undergraduate students in research
- Developing EBSD detector workflow

Doctoral Research, **The University of Texas at Austin** Sept 2018-July 2022

- I integrate petrology, multi-scale structural geology, and multi-mineral geo- and thermo chronology (what I call "structural petrochronology") to differentiate magmatism and kinematically and directionally-similar deformation in complex regions with multi- or poly-phase tectonic histories
- Field locations: California and Arizona—southern Basin & Range (U.S.); Ios Island—southern Cyclades (Greece)
- Methods: LA-ICP-MS U-Pb geo/thermochronology (zircon, apatite, garnet); LA-ICP-MS thin section in-situ petrochronology (titanite, apatite); LA-ICP-MS trace elemental analyses (apatite, zircon); (U-Th)/He low-temp thermochronology (quadrupole-MS to measure degassed He, HF-HNO_3-HCL dissolution of zircon, Solution-ICP-MS to measure parent nuclides); SEM-mounted EBSD; microstructural and petrographic characterization; field observation and outcrop mapping
- Collaborations: Dr. John Singleton (Colorado State Univ.) on Basin & Range; Dr. Kostis Soukis (National and Kapodistrian Univ. of Athens) on Cyclades
- Presentations: 2019 National GSA, 2020/21 VirtualThermo, 2021 GSA Cordillera, 2021 Thermo, 2021 GSA Connects, 2021 AGU Fall Meeting, 2022 GSA Cordillera

Graduate Research Assistant, **The University of Texas at Austin** Aug 2016-July 2022

- When funded as RA at UTChron (PI: Stockli):

- Assisted in mineral separation and in UTChron lab procedure for contract (e.g. Apache, Chevron), undergraduate, and visitor samples
- Mineral Separation Student Supervisor (2017-2019): Train new graduate students and undergraduate students on laboratory procedure and safety

Masters Research, **The University of Texas at Austin** Sept 2016-Aug 2018

- Utilized bedrock and detrital zircon U-Pb geochronology to describe the late Paleozoic-early Mesozoic magmatic and tectonic evolution of the Cycladic Basement exposed on Ios Island, southern Cyclades, Greece (work published in *Tectonics*)
- Methods: LA-ICP-MS U-Pb geochronology (magmatic and detrital zircon); field observation and mapping; metamorphic assemblage and petrographic characterization
- Collaboration: Dr. Kostis Soukis (National and Kapodistrian Univ. of Athens)
- Presentations: 2017 National GSA, 2017 AGU Fall Meeting, 2018 Lithosphere and Deep Earth seminar (UT-Austin), 2018 Master's Saturday (UT-Austin)

Geology Research Fellow, **College of William & Mary** Aug 2015-May 2016

- Created new geologic map of Albemarle County, VA (1:500000) with Dr. Chuck Bailey (Fellowship Supervisor), presented to VA Dept. of Mines, Minerals, and Energy at 2017 Virginia Geological Field Conference (VGFC)
- Co-led the 2017 VGFC on a day-long traverse from the Piedmont to the eastern Blue Ridge; field guide found here
- Assisted in the field and laboratory on various undergraduate projects aimed at understanding deformation along the Piedmont-Blue Ridge boundary in central Virginia
- Organized class and department field trips and managed the Geology Department's website and social media presence

Senior Honors Research, **College of William & Mary** Aug 2014-May 2015

- Characterized the whole rock and trace element geochemistry of pre-PST lava flows and PST magmatic enclaves and analyzed the possibility of mafic magma injection as an eruption trigger mechanism for the Peach Spring supereruption 18.8 Ma
- Collaborations: Dr. Calvin F. Miller (Vanderbilt Univ., as part of the **2014 NSF-REU: Before and After a Supereruption**)
- Presentations: 2014 National GSA, 2014 NSF-REU CUR Symposium, 2015 GSA Southeast, 2015 Honors thesis defense (W&M)

Undergraduate Researcher, **NSF-REU: Before and After a Supereruption** 2013-2014

- Selected for first year of REU program co-organized by Vanderbilt University and Mercyhurst University
- Methods: BSE and imagery on SEM (Vanderbilt Univ.), melt fractionator and XRF (Middle Tennessee State Univ.), field observation and volcanic stratigraphy
- I evolved the project into my Undergraduate Honors Thesis at W&M

Field Experience

[a] individually directed, [b] co-led or teaching assistant, [c] field assistant, [d] field trip participant/student

[a] *Doctoral Research*, **The University of Texas at Austin** Sept 2018-July 2022

- 1:1000 scale mapping, collecting orientation data, outcrop-scale description focuses on lithology, fabric relationships, and cross-cutting relations
- Sample collection: oriented samples for thin section analysis, large (~3 kg) geo-thermochron samples for mineral separation
- Camping and primitive camping intensive; Time in the field: 8 weeks

[b] *Field Teaching Assistant,* **GEO 660A—Geologic Field Camp, UT-Austin** Summer 2021

- New Mexico and Wyoming, carbonate stratigraphy, reconnaissance mapping, volcanic stratigraphy, structural geology, Rio Grande Rift, Laramide tectonics
- Responsible for camp organization, food and grocery schedule, grading, student well-being
- Camping only, primitive camping intensive; Time in the field: 3 weeks

[b] *Field Teaching Assistant,* **GEO 660B—Geologic Field Camp, UT-Austin** Summer 2019

- Wyoming and Montana, structural geology, mapping, metamorphic petrology, ore geology, fold-thrust belts, Sevier and Laramide tectonics
- Responsible for camp organization, food and grocery schedule, grading, student well-being
- Camping intensive; Time in the field: 3 weeks

[d] *Student,* **Tectonic Problems—Morocco's High Atlas and Inverted Rift Margins** Spring 2019

- Semester course focused on the mechanics of tectonic inversion in the Moroccan Central High Atlas Mtns
- Time in the field: 1.5 weeks

[d] *Student,* **Tect/Climate Interactions in Foreland Basins/Fold-Thrust Belts** Oct 2018

- Semester course focused on the structural and sedimentary record of fold-thrust belts, Sevier ranges in eastern Utah
- Time in the field: 0.5 weeks

[c] *Field Assistant*, **NOR-R-AM—** Eastern Siberia Aug-Sept 2018

- Traverse across the remote Verkhoyansk fold-thrust belt in eastern Siberia (Yakutia) (Eurasia—North America suture zone)
- Assisted in the collection of geo- and thermochronologic samples, description of outcrop (structure and stratigraphy)
- Primitive camping intensive; Time in the field: 3.5 weeks

[b] *Field Teaching Assistant,* **GEOL 310—Regional Field Geology, W&M** May 2018

- West Texas, Big Bend National Park, mapping, volcanic stratigraphy, structural geology, petrology, Rio Grande Rift

- Responsible for camp organization, grading, student well-being
- Camping only; Time in the field: 2 weeks

[a] *Masters Research*, **The University of Texas at Austin** Sept 2016-Aug 2018
- Collection of structural orientation data and geo-thermochron samples (~3 kg)
- Time in the field: 5 weeks

[b] *Field Trip Co-leader,* **Virginia Geological Field Conference** Oct 2017
- Day-long accessible field trip for students, professional geologists, and rock hounds in Virginia

[b] *Field Teaching Assistant,* **GEOL 310—Regional Field Geology, W&M** Summer 2016
- Arizona, Utah, and Nevada, mapping, volcanic stratigraphy, structural geology, petrology, hydrology, surface processes, Colorado Plateau
- Responsible for camp organization, grocery schedule, grading, student well-being
- Camping only; Time in the field: 3 weeks

[b] *Geology Research Fellow*, **College of William & Mary** Aug 2015-May 2016
- Assisted various undergraduate research projects in the central Virginia Piedmont and Blue Ridge provinces; planned the 2017 Virginia Geological Field Conference; assisted Virginia DMME work on Piedmont shear zones; TA for W&M field trips
- Camping intensive; Time in the field: 4 weeks

[b] *Undergraduate Research*, **NSF-REU Before and After a Supereruption** 2013-2014
- Volcanic stratigraphy of the southern Black Mtns, AZ; sample collection for whole-rock geochemistry and petrographic characterization
- Primitive camping intensive; Time in the field: 4 weeks (winter '13-'14 and May '14)

[c] *Field Assistant*, **College of William & Mary** May 2013
- Identified shallow offshore facies and Ordovician marine fossil species and collected fragile fossils in varying rock strengths as an assistant to a paleontology M.S. student (University of Georgia) in the Valley & Ridge province ranging from southern Virginia up to Pennsylvania
- Camping only; Time in the field: 2.5 weeks

[d] *Student,* **Regional Field Geology of the Colorado Plateau** May-June 2012
- 3-week field course on the Colorado Plateau of Arizona and Utah
- Camping only; Time in the field: 3 weeks

[d] *Student,* **Various Undergraduate Geology Courses (W&M)** 2011-2015
- Field trips for: Rock-Forming Minerals, The Sedimentary Record, Earth Surface Processes, Earth Structure & Dynamics, Field Methods, Hydrology, Age of Dinos,
- Camping only, if overnight trip; Time in the field: ~4 weeks

Total time in the field: ~ 47 weeks

Service

Co-chair, **Session V15A and V22A**, American Geophysical Union Fall Meeting Dec 2021
Lead Convener, **Session T14,** Geological Society of America National Meeting Oct 2021
Student Volunteer, **Thermo2020/21** Sept. 2021
Moderator, **Virtual Thermo2020/21**, Thermo2020/21 Conference Nov 2020-Mar 2021
Graduate Student Rep., **Structural Geology Faculty Search Committee**,
Jackson School of Geosciences, UT-Austin Nov 2020-April 2021
Co-coordinator, **Lithosphere and Deep Earth Seminar**, UT-Austin Aug 2020-May 2021
Webmaster, **Graduate Student Executive Committee**, UT-Austin Aug 2020-Present
Web-editor—JEDI Resources, **Geoscience Empowerment Network**, UT-Austin Summer 2020
Editor-in-Chief, **Science Y'all Blog**, UT-Austin Aug. 2019-Present
Session Chair, **EU-IN-TIME-RISE Martian Geochronology Workshop** April 2018
Editor, **Science Y'all Blog**, UT-Austin Aug. 2017-July 2019
Session Chair, **Jackson School Master's Saturday Program** April 2017
Director, **William & Mary Pep Band** 2014
Associate Director and Librarian, **William & Mary Pep Band** 2013
Secretary, **Sigma Gamma Epsilon Geology Honor Society,** W&M 2014-2015
Tutor, **Sigma Gamma Epsilon Geology Honor Society,** W&M 2013-2015

Peer Review for Scientific Journals

International Geology Review

Synergistic Activities

Lab Tour Guide, **Enhancing Diversity in Geoscience Graduate Education** (JSG) Nov. 2021
ADVANCEGeo Workshop, **NSF ADVANCE** Nov. 2021
Mentor, **Helium Latinx Internship and Outreach (HeLIO)—UTChron** 2018/2021
Pod Participant, **Understanding Racism in the Geosciences (URGE)** Spring 2021
Science Communication for Social Justice, **NAGT** Aug. 2020
Becoming an Inclusive Geoscience Leader, **NAGT** (2-day) Aug. 2020
History of the Black Experience Web-Series (7-parts), June-Aug. 2020
UT Division of Diversity and Community Engagement
Teaching Preparation Series and Certificate, **UT Faculty Innovation Center** Jan.-May 2020
Inclusive Classrooms Leadership Certification, **UT Office for Inclusion and Equity** Mar. 2020
Mentor, **GeoFORCE Longhorns** 2016-2018
Participant, **Donning of the Kente—College of William & Mary** May 2015

Other Professional Experience

Project Liaison and Coordinator, Video Outreach Series,
On-Ramps Geoscience, UT-Austin Spring 2019

Shift Runner, **Berrybody Frozen Yogurt and Yoga**** 2015-2016
Department Assistant, **W&M Dept. of Geology** 2013-2015
Customer Service Rep., **Domino's Pizza**** 2011-2013
**These stand out on a science CV, but working at these places was crucial financial help during my pre-graduate career.

Professional Short-Course Participation

Using the StraboSpot2 Digital Data System, **GSA Cordillera/Rocky Mtn** (Dr. J.D. Walker) Mar 2022
Practical Masterclass in Microtectonics, **Uni-Mainz** (Drs. V. Toy and C. Passchier) Feb 2020
Introduction to Seismic Interpretation, **AAPG** Jan 2017

Skills

Software: Intermediate-Expert: Python; HeFTy; ESRI ArcGIS suite; Iolite Data Reduction; Adobe suite; Microsoft Office suite; Excel MELTS; iMovie | Basic: Elastik; ImageJ; MatLab; LaTek; RiverTools; KaleidaGraph; Magma; SimpleDEMViewer
Field: Geologic mapping; structural observation, data collection, and interpretation; measuring stratigraphic section; geochronologic and oriented sample collection; Brunton Compass; GPS; magnetometer; StraboSpot system
Laboratory: Rock saw; shatterbox; gold table density separation; SEM and EBSD data collection; XRF Analyzer; petrographic microscope and microstructural description; LA-ICP-MS U-Pb and TE analyses; zircon and apatite HF-HCl-HNO3 dissolution methods; heavy liquids mineral separation
Other: 12-passanger van certified and experienced, manual-transmission vehicle experienced, emergency services training

Full List of References (Please see separate upload or names in application)

Dr. Daniel Stockli, Professor and Department Chair, The University of Texas at Austin
Graduate Supervisor (MS and PhD)
stockli@jsg.utexas.edu

Dr. Mark Helper, Senior Lecturer and Field Camp Director, The University of Texas at Austin
TA Supervisor (Field Camp, Intro to Field & Stratigraphic Methods)
helper@jsg.utexas.edu

Dr. John Singleton, Associate Professor, Colorado State University
Collaborator, Dissertation Committee Member
john.singleton@colostate.edu

Dr. Mark Cloos, Professor, The University of Texas at Austin
Qualifying Exam Committee Member, TA Supervisor (Structural Geology)
cloos@jsg.utexas.edu

Dr. Christopher Bailey, Professor, The College of William & Mary

Undergraduate Advisor (BS), Fellowship Supervisor
cmbail@wm.edu

Publications (citations = 50, h-index = 3, R^G = 8.68, i10-index = 2)

*equal-contribution

In prep, **Flansburg, M.E.**, Stockli, D.F., and Singleton, J.S., (Working Title) Petrochronologic evidence for Late Cretaceous-Paleocene top-NE extensional deformation in the Maria fold-and-thrust belt (Southeast California and west-central Arizona): *GSA Bulletin*

In prep, **Flansburg, M.E.**, Stockli, D.F., Poulaki, E.M., Soukis, K., and Orlandini, O., Temporal differentiation of mylonites in the footwall of a Miocene Cycladic core complex (Ios, Greece): (Micro)structurally-integrated U-Pb petrochronology: *Earth and Planetary Science Letters*

In Review, **Flansburg, M.E.**, and Stockli, D.F., Progressive Miocene unroofing of the Big Maria and Riverside Mountains (SE California, USA) along the southwestern margin of the Colorado River extensional corridor: *Geosphere*

In Review, ***Flansburg, M.E.**, *Poulaki, E.M., Stockli, D.F., and Soukis, K., Coeval Miocene exhumation of the Cycladic Blueschist Unit and the Cycladic Basement in the Southern Cyclades, Ios and Sikinos, Greece: *Terra Nova*,

Poulaki, E.M., Stockli, D.F., **Flansburg, M.E.**, Gevedon, M.L., Soukis, K., Stockli, L.D., Barnes, J., Kitajima, K., and Valley, J.W., 2021, Zircon U-Pb and geochemical signatures in high-pressure metamorphic rocks as recorders of subduction zone processes, Sikinos and Ios islands, Greece: *Chemical Geology*, v. 582.
(citations = 4)

Poulaki, E.M., Stockli, D.F., **Flansburg, M.E.**, and Soukis, K., 2019, Zircon U-Pb chronostratigraphy and provenance of the Cycladic Blueschist Unit and the nature of the contact with the Cycladic Basement on Sikinos and Ios Islands, Greece: *Tectonics*, v.38.
(citations = 18)

Flansburg, M. E., Stockli, D. F., Poulaki, E. M., and Soukis, K., 2019, Tectono-magmatic and stratigraphic evolution of the Cycladic Basement, Ios Island, Greece: *Tectonics*, v. 38.
(citations = 20)

Field Guides

Bailey, C.M., **Flansburg, M.E.**, Lang, K.E., and Biggs, T., 2017, Geology in Jefferson's country: a Blue Ridge traverse across Albemarle County *in* Virginia Geological Field Conference, 47th Field Conference, Guidebook, 58 p.

Maps

In prep, Bailey, C.M., and **Flansburg, M.E.**, Geologic Map of Albemarle County, Virginia (1:500000), Virginia Department of Mines, Minerals, and Energy

Theses

In Prep, **Flansburg, M.E.**, 2022, Directly dating deformation via structurally-integrated multi-mineral geo-thermochronology (Southern Cyclades, Greece and Southern Basin and Range, U.S.A.) [Ph.D. Dissertation]: Austin, The University of Texas at Austin, xxxx p.

Flansburg, M.E., 2018, Pre-Cenozoic tectono-metamorphic evolution of the Cycladic Basement, Ios Island, Greece [M.S. Thesis]: Austin, The University of Texas, 417 p.
(citations = 2)

Flansburg, M.E., 2015, Priming for Supereruption: the hot pre-Peach Spring Tuff lavas and Peach Spring Tuff magmatic enclaves, Black Mountains, Arizona [B.S. Honors Thesis]: College of William & Mary, Paper 145, 109 p.
(citations = 1)

Abstracts and Presentations (‡invited)

‡**Flansburg, M.E.,** and Stockli, D.F., 2022, Directly dating complex deformation via structurally-integrated multi-mineral U-Pb petrochronology and (U-Th)/He thermochronology (SE California and West-Central Arizona, USA): Session T13—Directly Dating Deformation, Metamorphism, and Metasomatism through Petrochronology, 2022 Geological Society of America Cordilleran Section Meeting (March 15, 2022, *upcoming*)

‡**Flansburg, M.E.**, 2022, Dating ductile deformation: Structurally integrated U-Pb petrochronology in extensional orogens: Presented in Departmental Seminar, Dept. of Geology, Oberlin College, Oberlin, Ohio, 23 March. (*Oral Presentation*)

Flansburg, M.E., Stockli, D.F., Orlandini, O.F., Singleton, J.S., and Mosher, S., 2021, Late Cretaceous-Paleocene deformation in the Maria fold-and-thrust belt (SE California and west-central Arizona, USA): New insights from titanite EBSD and in-situ U-Pb petrochronology: Presented at 2021 Fall Meeting, AGU, New Orleans, Louisiana, 13-17 December. *(Poster Presentation—AGU Fall 2021)*

Flansburg, M.E., Stockli, D.F., Poulaki, E.M., Orlandini, O.F., and Soukis, K., 2021, Permian mylonites in a Miocene metamorphic core complex: Integrated EBSD and apatite U-Pb

thermochronology on Ios Island (Southern Cyclades, Greece): Geological Society of America Abstracts with Programs, v. 53, no. 6 (*Oral Presentation—GSA Connects 2021*)

Poulaki, E.M., Stockli, D.F., **Flansburg, M.E.,** Gevedon, M., Stockli, L.D., Shuck, B., Barnes, J.D., Soukis, K., Kitajima, K., and Valley, J.W., 2021, Zircon grains as recorders of subduction zone metamorphism in the southern Cyclades, Greece and the Betic Cordillera, S. Spain: Geological Society of America Abstracts with Programs, v. 53, no. 6

Flansburg, M.E., Stockli, D.F., and Singleton, J., 2021, Integrating high- and low-temperature thermochronology to unravel basement fabrics (Riverside and Big Maria Mountains, SE California, USA): Thermo2021, Santa Fe, NM (12-17 September, 2021). (*Oral Presentation--Thermo2020*)

Flansburg, M.E., Stockli, D.F., and Singleton, J., 2021, Multi-mineral U-Pb geo- and thermochronology of Late Cretaceous-Paleocene deformation in the Maria fold-and-thrust belt (SW USA): Geological Society of America Abstracts with Programs v. 51, no. 5, doi: 10.1130/abs/2019AM-337873. *(Virtual Oral Presentation—GSA Cordillera 2021)*

Flansburg, M.E., Poulaki, E.M., Stockli, D.F., and Soukis, K., 2021, Coeval Miocene exhumation of the Ios metamorphic core complex (Southern Cyclades, Greece): *Virtual Thermo2020*. (*Virtual Oral Presentation-Thermo2020*)

Flansburg, M.E., Stockli, D.F., and Singleton, J., 2021, Multi-mineral U-Pb geo- and thermochronology of Laramide-aged deformation in the Maria fold-and-thrust belt (SW USA): 10th Annual Jackson School of Geosciences Research Symposium *(Virtual Poster Presentation)*

Poulaki, E.M., Stockli, D.F., **Flansburg, M.E.,** Gevedon, M., Soukis, K., Stockli, L.D., Barnes, J.D., Kitajima, K., and Valley, J.W., 2020, Zircon U-Pb and trace element signatures in high-pressure metamorphic rocks as recorders of subduction and exhumation processes, Sikinos and Ios islands (Cyclades, Greece): Geological Society of America Abstracts with Programs v. 52, no. 6, doi:10.1130/abs/2020AM-356032

Flansburg, M.E., Stockli, D.F., and Singleton, J., 2020, Dating ductile deformation in the Maria fold-and-thrust belt with apatite and zircon U-Pb geochronometry, Big Maria and Riverside Mountains, southeastern California: 9th Annual Jackson School of Geosciences Research Symposium. *(Poster Presentation)*

Flansburg, M.E., Stockli, D.F., and Singleton, J., 2019, Dating ductile deformation in the Maria fold-and-thrust belt with apatite and zircon U-Pb geochronometry, Big Maria and Riverside Mountains, southeastern California: Geological Society of America Abstracts with Programs v. 51, no. 5, doi: 10.1130/abs/2019AM-337873. *(Poster Presentation—GSA National 2019)*

(citations = 1)

Poulaki, E., Stockli, D., **Flansburg, M.,** and Soukis, K., 2019, Tectonic evolution of the Cycladic Blueschist Unit and Cycladic Basement using multiple geo-thermo chronometers, Sikinos and Ios, Greece: EGU General Assembly 2019, v. 21, EGU2019-7278.

Flansburg, M.E., Poulaki, E.M., Stockli, D.F., and Soukis, K., 2019, Thermal-tectonic evolution of a South Cycladic metamorphic core complex, Ios and Sikinos Islands, Greece: 8th Annual Jackson School of Geosciences Research Symposium *(Poster Presentation)*

***Flansburg, M.E.**, and *Poulaki, E.M., February 2018, Tectonic drama in the Greek Cyclades: Lithosphere and Deep Earth Seminar, UT-Austin *(Oral Presentation)*

Flansburg, M.E., Stockli, D.F., Poulaki, E.M., and Soukis, K., 2018, Geo-thermochronometric insights on the formation of the Ios metamorphic core complex, Southern Cyclades, Greece: 7th Annual Jackson School of Geosciences Research Symposium. *(Poster Presentation)*

Flansburg, M.E., Stockli, D.F., Poulaki, E.M., and Soukis, K., 2017, Geo-thermochronometric insights on the Cycladic Basement and Cycladic Blueschist Unit contact in the Southern Cyclades, Ios Island, Greece: Abstract T41B-0619 presented at 2017 Fall Meeting, AGU, New Orleans, Louisiana, 11-15 December. *(Poster Presentation—AGU Fall 2017)*

Poulaki, E.M., Stockli, D.F., **Flansburg, M.E.**, and Soukis, K., 2017, Unravelling the formation and exhumation of the Cycladic Blueschist Unit and Basement in the Southern Aegean, Sikinos Island, Greece: Abstract T41B-0618 presented at 2017 Fall Meeting, AGU, New Orleans, Louisiana, 11-15 December. *(Poster Presentation)*

Flansburg, M.E., Poulaki, E.M., Stockli, D.F., and Soukis, K., 2017, The Cycladic Basement and pre-Cenozoic tectonic history of the Southern Cyclades, Ios Island, Greece: Geological Society of America Abstracts with Programs, v. 49, no. 6, doi: 10.1130/abs/2017AM-307205. *(Poster Presentation—GSA National 2017)*

Poulaki, E.M., **Flansburg, M.E.**, Stockli, D.F., and Soukis, K., 2017, Zircon LA-SS-ICP-MS U-Pb analysis of the petrogenesis, chronostratigraphy, and provenance of the Cycladic Blueschist Unit and Basement in the Southern Cyclades, Sikinos and Ios, Greece: Geological Society of America Abstracts with Programs, v. 49, no. 6, doi: 10.1130/abs/2017AM-307231 *(Poster Presentation)*

Flansburg, M. E., Miller, C.F., and Bailey, C.M., 2015, Priming for supereruption: the hot pre-Peach Spring Tuff lavas and Peach Spring Tuff magmatic enclaves, Black Mountains, Arizona: Geological Society of America Abstracts with Programs, v. 47, no. 2, p. 33. *(Oral Presentation—GSA Southeast 2015)*

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(citations = 1)

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