2025 Virtual AGeS Community Symposium
May 6-7, 2025

https://cuboulder.zoom.us/j/95271867802
Passcode: 2025AGeS

8 am-12 pm PT **9 am-1 pm MT** **10 am-2 pm CT** **11 am-3 pm ET**

Overview: The virtual AGeS community symposium is intended to strengthen the geochronology community and its networks and will provide opportunities for senior scientists, early career scientists, and graduate students to engage and interact. The 2025 symposium consists of two sessions with invited talks and AGeS project presentations, as well as breakout sessions to enable conversation about current challenges in the geochronology community.

Day 1. Tuesday May 6, 2025. Spring AGeS-Grad Cohort Meeting - AGeS-Grad 2024 awardees only.

Day 2. Wednesday May 7, 2025 (all times are PT)

Session 1: AGeS Successes and Geochronology Community Activities
Moderator: Emily Cooperdock (Brown University)

8:00-8:05: "Welcome, goals, and overview" - *Becky Flowers (CU-Boulder) and Ramon Arrowsmith (ASU)*

8:05-8:20: "AGeS: Science, collaboration, community…and next steps" – *Becky Flowers (CU-Boulder) and Ramon Arrowsmith (ASU)*

8:20-8:30: "Timing is everything: Launching the Time-Integrated Matrix for Earth Sciences (TIMES) Program" - *Jenn Kasbohm (Carnegie)*

8:30-8:45: "Building belonging in geochronology through a multi-institution, cohort research experience testing the fluvial response to Rio Grande Rift evolution" - *Alyssa Abbey (Cal State Long Beach) and Alex Tye (Utah Tech)*

8:45-9:00: "Undergraduates drill into a caldera: dating Yellowstone rhyolites using the Stanford-USGS SHRIMP-RG" - *Lauren Harrison (CSU)*

Breakout Sessions
9:00-9:05: Breakout explanation - *Ramon Arrowsmith (ASU)*

9:05-10:00: Breakouts Sessions

- ***Breakout set 1: How to respond to current challenges facing the geochronology community.*** Conversation regarding impacts on the geochronology community due to the current changes in

the financial support and broader impacts landscape in the U.S., with an emphasis on proactive next steps. This conversation would help AGeS decide how to move forward to support the geochronology community - for example via contribution(s) that summarize these impacts and highlight the importance of geochronology and student training for geoscience and societal needs, and/or other ideas that balance impact with practical implementation.
Moderators: *Kari Cooper (UC-Davis), Nathan Brown (UT-Arlington), Julie Fosdick (UConn).*
Three parallel breakout sessions: Will be held with the same topic assignment to keep numbers in the breakouts low so more voices can be heard. Random distribution of participants.
Prompts:

- What are the impacts on your program?
- What are the talking points about the value of geochronology and student training for geoscience and societal needs?
- What are the talking points about AGeS and its impacts and successes?
- What are useful ways to respond to the AGeS termination?
- What are practical ways to carry AGeS and the geochronology community's work forward?
- Are you able to help?

- ***Breakout 2: Grad students and career paths.*** Career options beyond U.S. academia and abroad. *Breakout moderator: Jacky Baughman (Cal Poly Humboldt). Panel consists of David Haddad (Apache Corporation), Alex Washburn (Kentucky Geological Survey), David Whipp (University of Helsinki, Finland), Susan Zimmerman (Lawrence Livermore National Labs)*

10-10:15: Break

Session 2: Geochronology Advances.
Moderator: Mauricio Ibanez-Mejia (UAZ)

10:15-10:40: Breakout reporting and discussion - *facilitated by Ramon Arrowsmith (ASU)*

10:40-11:10: 6x5 min lightning talks on AGeS-DiG/Grad awardee projects

- DiG 1: "Thin-dike apatite fission-track thermochronology: Extracurricular modules for pre-university Students" - *Ray Donelick (DineGEO LLC)*

- DiG 2: "Testing the utility of luminescence dating for marine terraces in southern California" - *Nate Onderdonk (Cal State Long Beach)*

- DiG 3: "Metro to Moraine: Individualized geochronology research experiences in southeast Michigan for two undergraduate students from underrepresented groups" - *Eric Portenga*

- Grad 1: "Targeting changes in sedimentation across a warming Arctic periglacial fan using Optically Stimulated Luminescence (OSL) dating" *Bailey Nordin - Grad Awardee 2024*

- Grad 2: “Towards resolving the red bed controversy: Developing the capacity for detrital hematite U/Pb geochronology” - *Anthony Fuentes - Grad Awardee 2024*
- Grad 3: “Developing a new approach to date <1 Ma fault slip using paired U-series disequilibrium and (U-Th)/He analyses of hematite” - *Jordan Jensen - Grad Awardee 2023*

11:15-11:30: “Exploring the application of luminescence surface dating to glaciated bedrock in Greenland” - *Caleb Walcott-George (University of Buffalo)*

11:30-11:45: “Prospects and challenges for in situ beta decay geochronology” - *Alicia Cruz-Uribe (University of Maine)*

11:45-12: Closing Discussion *(Ramon Arrowsmith, Becky Flowers)*