

2019

**April 7–12** EGU General Assembly 2019, Vienna, Austria. Web page: [www.egu2019.eu](http://www.egu2019.eu)

**April 11–14** Rochester Mineralogical Symposium, Rochester, NY, USA. Web page: [www.rasny.org/minsymp/](http://www.rasny.org/minsymp/)

**April 22–26** Materials Research Society Spring Meeting, Phoenix, AZ, USA. Web page: [www.mrs.org/spring2019](http://www.mrs.org/spring2019)

**April 25–26** 4th Edition of International Conference on Advanced Spectroscopy, Crystallography, and Applications in Modern Chemistry, Rome, Italy. Web page: [crystallography.euroscicon.com/](http://crystallography.euroscicon.com/)

**April 30–May 2** 3rd International Critical Metals Conference, Edinburgh, Scotland. Web page: [www.minersoc.org/3rd-international-critical-metals-conference.html](http://www.minersoc.org/3rd-international-critical-metals-conference.html)

**May 8–9** Study of Earth's Deep Interior (SEDI) 2019, London, UK. Web page: [www.minersoc.org/mineral-physics-group-sedi-2019.html](http://www.minersoc.org/mineral-physics-group-sedi-2019.html)

**May 12–15** GAC–MAC IAH–CNC Joint Meeting; Geological Association of Canada, Mineralogical Association of Canada and the Canadian National Chapter of the International Association of Hydrogeologists, Quebec City, QC, Canada. Web page: [gacmac-quebec2019.ca/](http://gacmac-quebec2019.ca/)

**May 17** The Mineralogical Society of Great Britain and Ireland Clay Minerals Group–Annual Meeting, Newcastle, UK. Web page: [www.minersoc.org/cm-grip.html](http://www.minersoc.org/cm-grip.html)

**May 19–22** AAPG 2019 Annual Convention & Exhibition, San Antonio, TX, USA. Web page: [www.aapg.org/events/conferences/ace](http://www.aapg.org/events/conferences/ace)

**May 29–31** North American Workshop on Laser Ablation (NAWLA), Austin, TX, USA. Web page: [www.jsu.utexas.edu/nawla2019/](http://www.jsu.utexas.edu/nawla2019/)

**June 11–14** DMG Short Course: Solid-State NMR Spectroscopy Bochum, Germany. Contact Michael Fechtelkord ([michael.fechteltkord@rub.de](mailto:michael.fechteltkord@rub.de)).

**June 11–18** 9th International Symposium on Granitic Pegmatites (PEG 2019), Pala, CA, USA. Web page: [peg2019.com/index.html](http://peg2019.com/index.html)

**June 18–20** 4th Planetary Data Workshop, Flagstaff, AZ, USA. Web page: [www.hou.usra.edu/meetings/planetdata2019/](http://www.hou.usra.edu/meetings/planetdata2019/)

**June 20–21** Mineralogical Society of America Centennial Symposium, Washington, DC, USA. Details forthcoming.

**June 23–29** ECROFI 2019 (European Current Research on Fluid Inclusions), Budapest, Hungary. Web page: [ecrofi2019.elte.hu](http://ecrofi2019.elte.hu)

**June 24–28** AbSciCon 2019, Bellevue, WA, USA. Web page: [connect.agu.org/abscicon/home](http://connect.agu.org/abscicon/home)

**June 24–27** QMA 2019: Quantitative Microanalysis 2019, Minneapolis, MN, USA. Web page: [the-mas.org/events/topical-conferences/qma-2019/](http://the-mas.org/events/topical-conferences/qma-2019/)

**July 1–5** EUROCLAY 2019, Paris, France. Web page: [euroclay2019.sciencesconf.org](http://euroclay2019.sciencesconf.org)

**July 8–12** 82nd Annual Meeting of the Meteoritical Society, Sapporo, Japan. Web page: [meteoriticalsociety.org/?page\\_id=18](http://meteoriticalsociety.org/?page_id=18)

**July 8–18** 27th IUGG General Assembly, Montréal, Canada. Web page: [iugg2019montreal.com/index.html](http://iugg2019montreal.com/index.html)

**July 15–19** 5th Earth Educators Rendezvous, Nashville, TN, USA. Web page: [serc.carleton.edu/earth\\_rendezvous/2019/index.html](http://serc.carleton.edu/earth_rendezvous/2019/index.html)

**July 20–24** American Crystallographic Association Meeting, Covington, KY, USA. Web page: forthcoming

**July 21–26** WRI-16 and AIG-13: 1st IAGC International Conference, Tomsk, Russia. Web page: [wri16.com](http://wri16.com)

**July 22–26** Ninth International Conference on Mars, Pasadena, CA, USA. Web page: [www.hou.usra.edu/meetings/ninthmars2019/](http://www.hou.usra.edu/meetings/ninthmars2019/)

**August 4–8** Microscopy & Microanalysis 2019, Portland, OR, USA. Web page: [www.microscopy.org/events/future.cfm/](http://www.microscopy.org/events/future.cfm)

**August 11–16** Tools in Biogeochemistry Short Course, Tübingen, Germany. Contact Andreas Kappler ([andreas.kappler@uni-tuebingen.de](mailto:andreas.kappler@uni-tuebingen.de)) or Casey Bryce ([casey.bryce@uni-tuebingen.de](mailto:casey.bryce@uni-tuebingen.de))

**August 18–23** Goldschmidt 2019, Barcelona, Spain. Web page: [Goldschmidt.info/2019](http://Goldschmidt.info/2019)

**August 18–23** 32nd European Crystallography Meeting (ECM-32), Vienna, Austria. Web page: [ecm2019.org/home/](http://ecm2019.org/home/)

**August 25–29** 258th ACS National Meeting & Exposition, San Diego, CA, USA. Web page: [www.acs.org/](http://www.acs.org/)

**August 27–30** 15th Biennial Meeting of the Society for Geology Applied to Mineral Deposits, Glasgow, Scotland. Web page: [www.sga2019glasgow.com/](http://www.sga2019glasgow.com/)

**September 3–5** Conference on Accessory Minerals (CAM-2019), Ekaterinburg, Russia. Web page <https://sites.google.com/view/cam-2019/home>

**September 3–7** 10th International Congress on the Application of Raman Spectroscopy in Art and Archaeology, Potsdam, Germany. Web page: [www.raa2019.de/](http://www.raa2019.de/)




**Save the date!**  
Past, Present, Future

# GEOMÜNSTER 2019

22–25 September 2019 | Münster | Germany  
[www.geomuenster2019.de](http://www.geomuenster2019.de)

**OUR THEMES**


1. Early Earth
2. Structure and evolution of planetary bodies
3. Orogenesis
4. Continents, oceans and global change
5. Magmatic systems and experimental petrology
6. Metamorphic systems
7. Earth Surface Processes and Basin Analysis
8. Geosphere-biosphere-interactions
9. Applied and Environmental Geosciences
10. Catastrophic events, natural hazards and hazard mitigation
11. Mineral Physics and Mineral Chemistry
12. Crystallography
13. Applied Mineralogy
14. Archaeological science
15. Mineral deposits and mining
16. Open sessions

2019  
**EUROCLAY**  
International conference on clay science and technology

1st–5th July 2019  
**PARIS**  
Université Pierre et Marie Curie  
4, place Jussieu - 75005 PARIS

<http://euroclay2019.sciencesconf.org>



**September 8–12** The First Billion Years: Habitability, Big Sky, MT, USA. Web page: [www.hou.usra.edu/meetings/habitability2019/](http://www.hou.usra.edu/meetings/habitability2019/)

**September 9–13** Young-Earth-Scientist (YES) congress: 'Rocking Earth's Future', Berlin, Germany. Web page: [yesdeutschland.weebly.com/](http://yesdeutschland.weebly.com/)

**September 9–13** 2<sup>nd</sup> EMU School on Mineral Fibres, Casale Monferato (Alessandria), Italy. Web page: [emu2019.unimore.it/](http://emu2019.unimore.it/)

**September 11–14** European Conference on Mineralogy and Spectroscopy 2019, Prague, Czech Republic. Web page: [ecms2019.eu/](http://ecms2019.eu/)

**September 22–25** GeoMünster 2019, Münster, Germany. Webpage: [www.geomuenster2019.de](http://www.geomuenster2019.de)

**September 22–25** Geological Society of America Annual Meeting, Phoenix, AZ, USA. Web page: [www.geosociety.org/GSA/Events/Annual\\_Meeting/GSA/Events/gsa2019.aspx](http://www.geosociety.org/GSA/Events/Annual_Meeting/GSA/Events/gsa2019.aspx)

**September 25–28** Mines and Wines—Discoveries in the Tasmanides, Wagga Wagga, NSW, Australia. Web page: [www.minesandwines.com.au/](http://www.minesandwines.com.au/)

**September 29–October 3** Materials Science & Technology 2019 Technical Meeting and Exhibition (MS&T19), Portland, OR, USA. Webpage: [www.matscitech.org/](http://www.matscitech.org/)

**September 30–October 3** Large Meteorite Impacts and Planetary Evolution VI Conference, Brasilia, Brazil. Information: [wolf.uwer@gmail.com](mailto:wolf.uwer@gmail.com)

**October 7–11** DMG Short Course: In Situ Analysis of Isotopes and Trace Elements by Femtosecond Laser Ablation ICP–MS, Hannover, Germany. Contact Stefan Weyer ([s.weyer@miner-alogie.uni-hannover.de](mailto:s.weyer@miner-alogie.uni-hannover.de))

**October 9–11** Geologica Carpathica 70, Smolenice, Slovakia. Web page: [geo.sav.sk/event/gc-70/](http://geo.sav.sk/event/gc-70/)

**October 13–18** Large-Scale Volcanism in the Arctic: The Role of the Mantle and Tectonics, Selfoss, Iceland. Web page: [connect.agu.org/aguuchapmanconference/upcoming-chapmans/arctic-volcanism](http://connect.agu.org/aguuchapmanconference/upcoming-chapmans/arctic-volcanism)

**October 20–29** 23<sup>rd</sup> International Biohydrometallurgy Symposium, Fukuoka, Japan. Web page: [www.ibs2019fukuoka.jp/](http://www.ibs2019fukuoka.jp/)

**November 5–8** Mars Extant Life: What's Next?, Carlsbad, NM, USA. Web page: [www.hou.usra.edu/meetings/lifeonmars2019/](http://www.hou.usra.edu/meetings/lifeonmars2019/)

**November 18–22** DMG Short Course: Introduction to Secondary Ion Mass Spectrometry in the Earth Sciences, Potsdam, Germany. Contact Michael Wiedenbeck ([michael.wiedenbeck@gfz-potsdam.de](mailto:michael.wiedenbeck@gfz-potsdam.de))

**December 1–6** Materials Research Society Fall Meeting, Boston, MA, USA. Web page: [www.mrs.org/fall2019](http://www.mrs.org/fall2019)

**December 9–13** AGU Fall Meeting, San Francisco, CA, USA. Details forthcoming

## 2020

**January 26–31** 43<sup>rd</sup> International Conference and Expo on Advanced Ceramics and Composites (ICACC'20), Daytona Beach, FL, USA. Web page forthcoming

**February 23–27** TMS 2020 149<sup>th</sup> Annual Meeting & Exhibition, San Diego, CA, USA. Webpage: [www.tms.org/tms2020](http://www.tms.org/tms2020)

**March 22–26** 259<sup>th</sup> ACS National Meeting & Exposition, Philadelphia, PA, USA. Web page: [www.acs.org/](http://www.acs.org/)

**April 13–17** Materials Research Society Spring Meeting, Phoenix, AZ, USA. Web page: [www.mrs.org/spring2020](http://www.mrs.org/spring2020)

**May 3–8** EGU General Assembly 2020, Vienna, Austria. Web page: [www.egu2020.eu](http://www.egu2020.eu)

**June 21–24** EMPG-XVII, 17<sup>th</sup> International Symposium on Experimental Mineralogy, Petrology and Geochemistry, Potsdam, Germany. Web page: [www.17empg2020.de/](http://www.17empg2020.de/)

**June 21–26** 2020 Goldschmidt Conference, Honolulu, HI, USA. Webpage forthcoming

**August 2–6** Microscopy & Microanalysis 2020, Milwaukee, WI, USA. Web page forthcoming

**August 9–14** Meteoritical Society Annual Meeting, Glasgow, UK. Webpage: [meteoriticalsociety.org/?page\\_id=18](http://meteoriticalsociety.org/?page_id=18)

**August 16–20** 260<sup>th</sup> ACS National Meeting & Exposition, San Francisco, CA, USA. Web page: [www.acs.org/](http://www.acs.org/)

**October 4–8** Materials Science & Technology 2020, combined with ACerS 122<sup>nd</sup> Annual Meeting (MS&T20), Pittsburgh, PA, USA. Web page: forthcoming

**September 6–10** EMC2020 – 3<sup>rd</sup> European Mineralogical Conference, Cracow, Poland. Web page: [www.emc2020.ptmin.eu/](http://www.emc2020.ptmin.eu/)

**October 25–28** Geological Society of America Annual Meeting, Montreal, Canada. Web page: forthcoming

**November 29–December 3** Materials Research Society Fall Meeting, Boston, MA, USA. Web page: [www.mrs.org/fall2020](http://www.mrs.org/fall2020)

**December 7–11** AGU Fall Meeting, San Francisco, CA, USA. Details forthcoming

The meetings convened by the societies participating in *Elements* are highlighted in yellow. This meetings calendar was compiled by Andrea Koziol (more meetings are listed on the calendar she maintains at <https://sites.google.com/a/udayton.edu/akoziol1/home/mineralogy-and-petrology-meetings>). To get meeting information listed, please contact her at [akoziol1@udayton.edu](mailto:akoziol1@udayton.edu)

# Rocking Earth's Future

## 5<sup>th</sup> Young Earth Scientists Congress

Berlin  
September 9–13  
2019



©Nasa 2018

YES Network

even < 0.0001 ppm  
can make a difference  
... leave a trace ...  
submit an abstract!

[yesdeutschland.weebly.com](http://yesdeutschland.weebly.com)








## Follow *Elements* on:

twitter

@Elements\_Mag

facebook

@elementsmagazine

online

[elementsmagazine.org](http://elementsmagazine.org)

ADVERTISERS IN THIS ISSUE	
Analab	144
CAMECA	Inside Front Cover
Excalibur Mineral Corporation	144
Geochemist's Workbench	Back Cover
International Centre for Diffraction Data	77
ProtoXRD	Inside Back Cover
Saville	80