



Dr. Anthony Chappaz

Central Michigan University

[STARLAB](#)

Department of Earth & Atmospheric Sciences

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Current Position

- Associate Professor, Department of Earth & Atmospheric Sciences, Central Michigan University, USA
- Adjunct Professor, MARSS-IPREM, University of Pau and Pays de l'Adour, France
- Director of the STARLAB, Central Michigan University, USA

Education

- Postdoc, Department of Earth Sciences, University of California, Riverside, USA 2008-2011
- PhD Geochemistry, INRS-EET, University of Quebec, Canada 2008
- MS Chemistry & Microbiology of Water, Universities of Poitiers and Pau, France 2003
- BS Chemistry, University Joseph Fourier, Grenoble, France 2001

Honors & Activities

- Reviewer for Nature Geoscience, Water Research, Earth & Planetary Science Letters, Environmental Science & Technology, Geochimica et Cosmochimica Acta, Geology, Chemical Geology, Science of the Total Environment, Limnology & Oceanography, Marine Chemistry, Applied Geochemistry, Paleogeography Paleoclimatology Paleoecology, Environmental Toxicology & Chemistry, etc.
- Reviewer for proposals for NSF, ACS-PRF, NERC, CNERC, Canadian Foundation for Innovation
- Reviewer for proposals for beamtime access at synchrotron facilities (APS, SSRL, NSLS)
- Convener for many sessions centered in trace element geochemistry at Goldschmidt Conferences over the last 10 years
- Fellowships:
 - CMU CSE Dean's Research Fellowship, USA, 2019
 - Geobiology Agouron Institute Fellowship, University of California, USA, 2009-2011

Interests

- Molecular geochemistry, trace element speciation, paleo-redox proxies, paleo-climate proxies, anthropogenic impacts on biogeochemical cycles, non-traditional stable isotopes, radioisotopes, processes at sediment-water interface, exobiology, astrobiology

Ideas for Advocacy for the User Community

- Increase the users from the climate and geoscience communities
- The material and engineering sciences being sur-represented among the users, I think we should focus on democratizing synchrotron techniques for scientists with different backgrounds
- Diversify the panel review composition
- Improve the user engagement by improving the symposium or other activities currently organized
- Better communication about the potential/strengths/limits of synchrotron techniques for non-specialists
- Use social media to increase the APS visibility (for example, 1 Twitter account per beamline)