

**Nicolas M. Roberts**  
**PhD Candidate, UW Madison**

Department of Geoscience  
University of Wisconsin-Madison  
1215 W. Dayton St.  
Madison, WI 53706

Phone: (919) 208 1842  
Email: [nmroberts@wisc.edu](mailto:nmroberts@wisc.edu)

**Education**

Ph.D. candidate with dissertator status at UW-Madison (present). Advisor: Basil Tikoff  
B.A. in Geology, 2013, Carleton College, Minnesota

**Appointments and awards**

**2018:**

- Fall: Teaching Assistant, *Mineralogy*, UW Madison
- Spring: Teaching Assistant, *Structural Geology*, UW Madison

**2017:**

- Fall: Research Assistant, UW Madison
- Spring: Teaching Assistant, *Structural Geology*, UW Madison

**2016:**

- Fall: Research Assistant, UW Madison
- Geological Society of America Research Grant *Outstanding Mention* (Full amount -- \$2500)
- NSF Graduate Research Fellowship Honorable Mention
- Spring: Teaching Assistant, 10 week *Geology in New Zealand Seminar*, Carleton College

**2015:**

- Geological Society of America Research Grant (Second Tier -- \$1875)
- Fall: Research Assistant, *Structural Geology*, UW Madison
- Spring: Teaching Assistant, UW Madison
- NSF Graduate Research Fellowship Honorable Mention

**2014:**

- Fall: Teaching Assistant, UW Madison
- Researcher under Dr. Umberto Cordani, *University of São Paulo*, Brazil

**2013:**

- NSF Graduate Research Fellowship Honorable Mention
- Awarded *Distinction* on senior thesis, *Carleton College*

**2012:**

- Duncan Stewart Fellowship for excellence in Geology, *Carleton College*

**Service**

**2017-2018 Academic year**

- Serving second term as Professional Development Coordinator for the UW Madison Geoscience Graduate Student Association
  - Planning the fall graduate retreat
  - Will organize the spring Geoscience department Research Symposium

**2017-2018 Academic year**

- Served as Professional Development Coordinator for the Geoscience Graduate Student Association
  - Planned the fall graduate retreat
  - Planned the spring Geoscience department Research Symposium

### Peer reviewed publications

- Roberts, N. M.**, B. Tikoff, J. R. Davis, and T. Stetson-Lee (2018), The utility of statistical analysis in structural geology, *Journal of Structural Geology (in Press)*.
- Tikoff, B., J. Newman, V. Chatzaras, **N. M. Roberts** (2018), Big data in microstructure analysis: Building a universal orientation system for thin sections, *Journal of Structural Geology (in Press)*.

### Conference presentations

- Roberts, N. M.**, C. Idzikowski, R. Key, B. Tikoff (2018), A Kinematic Record of Progressive Emplacement of the 3.47-3.23 Ga Mt Edgar Granitic Complex, East Pilbara Craton, Western Australia, *American Geophysical Union Fall 2018*, Poster.
- Roberts, N. M.**, and B. Tikoff (2017), Dome-side-up sense of shear and uniform magnetic fabrics in the Mt Edgar dome, East Pilbara craton, Western Australia, *The specialist group in tectonics and structural geology biannual workshop, Denmark, Australia*. Oral presentation.
- Tikoff, B., **N. M. Roberts**, V. Chatzaras, J. Newman, J. D. Walker, Randolph Williams (2017), The StraboSpot digital data system for field and microstructural data: Application to the Mt Edgar dome, Pilbara Craton, *Poster, The specialist group in tectonics and structural geology biannual workshop, Denmark, Australia*. Poster.
- Roberts, N.**, J. R. Davis, S. J. Titus, and B. Tikoff (2015), Harnessing Multivariate Statistics for Ellipsoidal Data in Structural Geology, in *American Geophysical Union Fall 2015 Meeting*, Poster.
- Davidson, C., J. Garver, and **N. Roberts** (2013), Hf isotope signatures of detrital Precambrian zircon suggest a southern Laurentian source for the Upper Cretaceous flysch of the Chugach-Prince William terrane, Alaska, in *2013 GSA Annual Meeting in Denver*, Poster.
- Roberts, N.**, C. Davidson, J. Garver (2013), Provenance of the Chugach-Prince William Terrain, Alaska using U-Pb and Hf isotopes, *Talk at the 2013 North American Cordillera Workshop, Kingston, Canada*, Oral presentation.