

Curriculum Vitae – BESIM DRAGOVIC

CURRENT AND PAST APPOINTMENTS

- 2016-present Postdoctoral Research Associate, Boise State University
2016-present Adjunct Research Faculty, Virginia Polytechnic Institute and State University
2013-2016 Postdoctoral Associate, Virginia Polytechnic Institute and State University
2007-2012 Research and Teaching Assistant, Boston University
2012 Instructor, ES 101 *The Dynamic Earth*, Boston University, Summer I
2011 Visiting Scholar, Swiss Federal Institute of Technology (ETH) Zurich, April-June
2002-2007 Cement and Concrete Microscopist/Chemist, W.R. Grace & Co., Cambridge, MA

EDUCATION

- 2013 Ph.D., Earth Sciences – Boston University, Boston, MA
Dissertation: *Constraining the rates and timescales of garnet growth and associated dehydration during metamorphism*
Advisor: Ethan F. Baxter
2003 M.S., Geological Sciences – University of Connecticut, Storrs, CT
Thesis: *Distribution of plagioclase phenocrysts in the Holyoke flood basalt, CT*
Advisor: Anthony R. Philpotts
1999 B.A., Earth Sciences – Boston University, Boston, MA

AWARDS AND HONORS

- 2013 Best Graduate Student Poster/Presentation, National Science Foundation (NSF) GeoPRISMS New Zealand Planning Workshop, Wellington, New Zealand
2011 American Geophysical Union (AGU) Outstanding Student Paper, Union Section, Fall Meeting, San Francisco, CA
2008 Best Graduate Student Talk, Boston University Dept. of Earth Sciences student seminar series

RESEARCH AWARDS

- Caddick, M.J. (lead-PI) and **Dragovic, B.** (co-PI). NSF-EAR 1447568. Durations and rates of high temperature metamorphism during Archean orogenesis: implications for early Earth tectonics. NSF-EAR Petrology and Geochemistry. \$363,761 awarded. 2015.
- Caddick, M.J. (lead-PI) and **Dragovic, B.** (co-PI). Supplement to NSF-EAR 1447568 for purchase of research instrumentation. NSF-EAR Petrology and Geochemistry. \$21,969 awarded. 2015.
- Kohn, M.J. (PI, Boise State University), Penniston-Dorland, S. (co-PI, University of Maryland) & Feineman, M. (co-PI, Pennsylvania State University), 8 additional senior personnel at 8 U.S. institutions. NSF Partnerships for International Research & Education. “*PIRE: ExTerra Field Institute and Research Endeavor (E-FIRE)*.” **Senior post-doctoral scholar and contributing author**, ~ \$4.0m awarded. 2015.
- Caddick, M.J. (lead-PI) and **Dragovic, B.** (co-PI) Coordinated and drafted the institutional mini-grant awarded by the Institute for Critical Technology and Applied Science at Virginia Tech for method development on measuring lithium stable isotope zonation in garnet using Secondary Ion Mass Spectrometer (SIMS). \$1500 awarded. 2014.

PEER-REVIEWED PUBLICATIONS (underlined denotes mentored student)

9. **Dragovic, B.**, Caddick, M.J., *in revision*. Extremely rapid heating at the subduction interface: evidence and consequences.
8. Cheng, H., Vervoort, J.D., **Dragovic, B.**, Wilford, D., Zhang, L., 2018. Coupled Lu-Hf and Sm-Nd geochronology on a single eclogitic garnet from the Huwan shear zone, China. *Chemical Geology*, **476**, 208-222.
7. Guevara, V.E., Caddick, M.J., **Dragovic, B.**, 2017. Rapid high temperature decompression recorded by Archean granulites in the northern Wyoming Province: insights from petrologic modelling. *Journal of Metamorphic Geology*, **35**, 943-965.
6. Baxter, E.F., Caddick, M.J., **Dragovic, B.**, 2017. Garnet – a rock-forming mineral petrochronometer. *Reviews in Mineralogy and Geochemistry*, **83**, 469-533.
5. **Dragovic, B.**, Guevara, V.E., Caddick, M.J., Baxter, E.F., Kylander-Clark, A.R.C., 2016. A pulse of cryptic granulite-facies metamorphism in the Archean Wyoming Craton revealed by Sm-Nd garnet and U-Pb monazite geochronology. *Precambrian Research*, **283**, 24-49.
4. Gatewood, M.G., **Dragovic, B.**, Stowell, H.H., Baxter, E.F., Hirsch, D., Bloom, R., 2015. Evaluating chemical equilibrium in metamorphic rocks using major element and isotopic zoning in garnet. *Chemical Geology*, **401**, 151-168.
3. **Dragovic, B.**, Baxter, E.F., Caddick, M.J., 2015. Pulsed dehydration and garnet growth during subduction revealed by zoned garnet geochronology and thermodynamic modelling, Sifnos, Greece. *Earth and Planetary Science Letters*, **413**, 111-122.
2. Ashley, K. T., Caddick, M.J., Steele-MacInnis, M., Bodnar, R., **Dragovic, B.**, 2014. Geothermobarometric history of subduction recorded by quartz inclusions in garnet. *Geochemistry, Geophysics, Geosystems*, **15**, 350-360.
1. **Dragovic, B.**, Samanta, L., Baxter, E.F., Selverstone, J., 2012. Using garnet to constrain the duration and rate of water-releasing metamorphic reactions during subduction: An example from Sifnos, Greece. *Chemical Geology*, **314-317**, 9-22.

PUBLICATIONS (MANUSCRIPTS)

5. **Dragovic, B.**, Penniston-Dorland, S. C., *invited Research Article in preparation for Chemical Geology*. Lithium in garnets – insights into metamorphic fluid-rock interactions.
4. Brooks, H.L., **Dragovic, B.**, Lamadrid, H.M., Caddick, M.J., Bodnar, R., *in preparation*. Fluid ingress during exhumation of subducted lithologies: a fluid inclusion study from Sifnos, Greece. *Chemical Geology*.
3. Baxter, E.F., Ague, J.J., Pollington, A.D., **Dragovic, B.**, Caddick, M.J., *invited Review Article in preparation for Lithos*. Three kinds of metamorphic pulses: geodynamic, thermodynamic, kinetic.
2. **Dragovic, B.**, John, T., *invited Research Article in preparation for "Subduction Top to Bottom II" monograph in Geosphere*. Timescales of fluid-rock interaction at the subduction interface.
1. **Dragovic, B.**, Gatewood, M.P., Baxter, E.F., Stowell, H.H., Hirsch, D.M., Bloom, R., *in prep for imminent submission*. Rate of fluid production during the regional metamorphism of a pelitic schist, Townshend Dam, Vermont, USA. *To be submitted to Contributions to Mineralogy and Petrology*, 37 manuscript pages, 9 figures, 2 tables.

PUBLICATIONS (OTHER)

2. **Dragovic, B.**, Starr, P.G., 2017. Report from the Field: E-FIRE: ExTerra Field Institute and Research Endeavor, Western Alps, Summer 2017. GeoPRISMS Fall 2017 Newsletter.
1. **Dragovic, B.**, Penniston-Dorland, S., Feineman, M., Caddick, M.J., Stowell, H., Tulloch, A., Schwartz, J., Mortimer, N., Barnes, J., Gordon, S., Wada, I., Syracuse, E., Ague, J., Baxter, E., Hacker, B., Bebout, G., 2013. Exterra: Understanding Convergent Margin Processes Through Studies of Exhumed Terranes – GeoPRISMS New Zealand Focus Site. White Paper for NSF GeoPRISMS New Zealand Planning Workshop, Wellington, New Zealand, 2013.

RECENT ABSTRACTS (underlined denotes mentored student; see remainder at end of document)

41. **Dragovic, B.**, Caddick, M.J., Guevara, V.E., 2017. Comparison of Archean tectonic modes through petrochronology. 27th Annual VM Goldschmidt Conference, Paris, France. (*oral*)
40. **Dragovic, B.**, Guevara, V.E., Caddick, M.J., Couëslan, C.G., Baxter, E.F., 2017. Punctuated HT/UHT metamorphism during prolonged Archean orogenesis in the Pikwitonei Granulite Domain revealed by garnet petrochronology. EGU General Assembly, Vienna, Austria. (*oral*)
39. Caddick, M.J., **Dragovic, B.**, Guevara, V.E., 2017. Comparative chronology of Archean HT/UHT crustal metamorphism. EGU General Assembly, Vienna, Austria. (*oral*)
38. Penniston-Dorland, S., **Dragovic, B.**, 2016. Using Li and its isotopes as a tracer of subduction-related metamorphic fluid-rock interactions. American Geophysical Union Fall Meeting, San Francisco. (*oral*)
37. **Dragovic, B.**, Guevara, V.G., Caddick, M.J., Couëslan, C.G., Baxter, E.F., 2016. Deciphering the timescales of Archean HT/UHT metamorphism in the Pikwitonei Granulite Domain using garnet petrochronology. American Geophysical Union Fall Meeting, San Francisco. (*oral*)
36. Guevara, V.G., Maclennan, S.A., Schoene, B., **Dragovic, B.**, Caddick, M.J., Kylander-Clark, A.R.C., Couëslan, C.G., 2016. Quantifying the timescales of Archean UHT metamorphism through U-Pb monazite and zircon petrochronology: insights from the Pikwitonei Granulite Domain. American Geophysical Union Fall Meeting, San Francisco. (*oral*)
35. Guevara, V.G., **Dragovic, B.**, Caddick, M.J., Kylander-Clark, A.R.C., Couëslan, C.G., 2016. Ultrahigh temperature metamorphism of the Archean Pikwitonei Granulite Domain. Geological Society of America Annual Meeting, Denver, CO. (*oral*)
34. Baxter, E.F., Caddick, M.J., Ague, J.J., **Dragovic, B.**, Pollington, A.D., Sullivan, N., 2016. Three kinds of metamorphic pulses: geodynamic, thermodynamic, kinetic. Geological Society of America Annual Meeting, Denver, CO. (*oral*)
33. **Dragovic, B.**, Guevara, V.G., Caddick, M.J., Baxter, E.F., 2016. HT/UHT garnet geo-thermochronology: Limitations and applications from two Neoproterozoic terranes. 35th International Geological Congress, Cape Town, South Africa. (*oral*)
32. **Dragovic, B.**, Baxter, E.F., Caddick, M.J., 2016. A “brief” history of Aegean subduction: P-T-t evolution of the Cycladic Blueschist Unit, Sifnos, Greece. 35th International Geological Congress, Cape Town, South Africa. (*poster*)
31. Caddick, M.J., Guevara, V.E., **Dragovic, B.**, Baxter, E.F., 2016. A brief pulse of Archean granulite-facies metamorphism: the Beartooth Mountains of Montana, U.S. 35th International Geological Congress, Cape Town, South Africa. (*oral*)

INVITED PRESENTATIONS

2017 University of Maryland
2017 Boise State University
2017 Freie Universität Berlin
2016 University of Alabama
2015 Ohio University
2015 University of Maryland
2014 University of North Carolina at Chapel Hill
2013 Virginia Polytechnic Institute and State University

INVITED WORKSHOPS

Spring 2017 Instructor – Reviews in Mineralogy and Geochemistry short course “Petrochronology: Methods and Applications” – Vienna, Austria

PROFESSIONAL SERVICE

2017-2020 Member-at-large, Geological Society of America Research Grants Committee (Mineralogy, Geochemistry, Petrology, Volcanology)

2018 Goldschmidt Conference, Boston, Massachusetts, Co-Convenor
“Multidisciplinary Insights into Subduction Zone Processes”

2018 European Geophysical Union, Vienna, Austria, Co-Convenor
“Probing the Subduction Interface”

2017 Goldschmidt Conference, Paris, France, Co-Convenor and Co-Chair
“Metamorphic and Melting Processes: From Subduction Zones to Ultra-High Temperature Terranes”

2017 EGU Annual Meeting, Vienna, Austria, Student Presentation Judge

2016 AGU Fall Meeting, San Francisco, CA, OSPA Judge

2015 AGU Fall Meeting, San Francisco, CA, Co-Convenor and OSPA Liaison
“Innovative Approaches to Deciphering Metamorphic Processes”

2014 AGU Fall Meeting, San Francisco, CA, Primary Convenor and Chair
“Processes, Pathways, and Properties Along the Subduction Interface”

2014 AGU Fall Meeting, San Francisco, CA, Co-Convenor
“Advanced Techniques for Determining Elemental Composition, Isotopic Abundance, and Radioisotopic Age Using Bulk and Micro-analysis”

2014 AGU Fall Meeting, San Francisco, CA, OSPA Judge

FORMAL MANUSCRIPT REVIEWS

American Mineralogist
Earth and Planetary Science Letters
Geochemistry, Geophysics, Geosystems
Geochimica et Cosmochimica Acta
Geology
Geoscience Frontiers
Journal of the Geological Society, London
Journal of Metamorphic Geology
Lithos
Lithosphere
Minerals
New Zealand Journal of Geology and Geophysics
Precambrian Research

TEACHING EXPERIENCE (boldface as course instructor)

- Spring 2017** **Instructor**, GEOS 5984, *Rates and Dates: Isotope Geochemistry/Geochronology*
Developed graduate student seminar on mineral-isotope systems, focused primarily on the understanding of tectonic processes
- Spring 2016 Guest Lecturer, GEOS 3704, *Igneous and Metamorphic Petrology*. Undergraduate course.
- Spring 2015 Guest Lecturer, GEOS 3704, *Igneous and Metamorphic Petrology*. Undergraduate course.
- Fall 2014 Guest Lecturer, GEOS 5704, *Geochemical Thermodynamics*. Graduate and senior undergraduate course.
- Fall 2012 Teaching Assistant, ES 101, *The Dynamic Earth*, Department of Earth and Environment, Boston University
Implemented all lab exercises focused on introductory geologic concepts including mineral and rock identification, topographic map interpretation, seismicity, and others, for majors and non-majors. Graded lab assignments, lab quizzes, and exams.
- Fall 2007/8/10/12 Teaching Assistant, ES 222, *Mineralogy*, Department of Earth and Environment, Boston University
Updated and implemented all lab exercises using mineral and rock collections to facilitate broad knowledge of crystal chemistry, optical microscopy, mineral identification, and petrogenetic relationships for earth science majors. Graded lab assignments, problem sets and exams. Assisted on annual field trip designed for students to collect samples for mineral identification and petrologic interpretation using thin sections.
- Summer 2012** **Instructor**, ES 101, *The Dynamic Earth*, Department of Earth and Environment, Boston University
Organized and taught all lectures of an introductory level geology course, consisting of a class size of ten students. Graded problem sets and exams. Coordinated with a teaching assistant on the content of the lab exercises.
- Spring 2008 Teaching Assistant, ES 424, *Igneous and Metamorphic Petrology*, Department of Earth and Environment, Boston University
Updated and implemented all lab exercises focused on petrologic interpretation of samples in thin section and geochemical data interpretation for undergraduate majors. Graded lab assignments and lab quizzes.
- 1999-2002 Teaching Assistant, GEOL 101, *Introduction to Physical Geology*, Department of Geological Sciences, University of Connecticut
Updated and implemented all lab exercises focused on introductory geologic concepts for majors and non-majors. Graded lab assignments, lab quizzes, and exams.

STUDENT RESEARCH MENTORING

Ph.D. Dissertation committee, Reader

- Fall 2017 – present Kirkland Broadwell – Ph.D. student (Anticipated title) “*Quantifying the Role of Fluids in the Conditions, Durations, and Rates of Metamorphism in Different Tectonic Settings*”
Primary advisor: Mark J. Caddick

- Spring 2017-present Alexandra Nagurney – Ph.D. student – Nucleation and growth of minerals in metamorphic rocks
Primary advisor: Mark J. Caddick
- Fall 2016-present Lisa Whalen – Ph.D student – Thermal timescales of the Himalayan orogen
Primary advisor: Mark J. Caddick
- Spring 2015-present Calvin Mako – Ph.D. candidate – Heat and metamorphism in orogenic belts
Primary advisors: Rick Law and Mark J. Caddick

Research mentor for other graduate student projects:

- 2013 – present Jennifer Gorce – Ph.D. candidate (Anticipated title) “*Rates and processes of subduction-related dehydration: Examples from the Aegean*”
- 2013-2017 Victor Guevara – graduated Ph.D. student – Title: “*How hot, how deep, how long: constraints on the tectono-metamorphic evolution of granulite terranes*”
- 2013-2015 Kyle Ashley – graduated Ph.D. student – Title: “*Constraining Metamorphic and Tectonic Evolution in Convergent Terranes: How Trace Elements and Mineral Inclusions Shape Mechanical and Reconstructive Models*”
- 2013-2014 Kristen McCall – graduated M.S. student – Title: “*Using Metamorphic Texture to Infer Deformation and Thermodynamic Histories*”

Research mentor for undergraduate student project:

- 2013-2015 Hanna Brooks – undergraduate student – “*A complex history of fluid-rock interaction during subduction and exhumation of blueschists*”

WORKSHOP PARTICIPATION

- 2016 NanoEarth Workshop
Virginia Polytechnic Institute and State University
- 2014 Fundamentals of 3D Quantitative Analysis of Geologic Materials Using CT
The University of Texas at Austin
- 2013 NSF GeoPRISMS New Zealand Planning Workshop
Wellington, New Zealand
- 2012 UCLA SIMS (secondary ion mass spectrometry) Workshop
University of California at Los Angeles
- 2011 NSF GeoPRISMS Metamorphic Studies Workshop
AGU Fall Meeting, San Francisco, CA
- 2011 NSF GeoPRISMS Science Plan Implementation Workshop
Bastrop, TX

DEPARTMENTAL SERVICE

- 2007-2012 Boston University Graduate Student Organization, *Earth Sciences Departmental Representative*
- 2011-2012 Graduate Student Representative at Department of Earth Sciences Faculty Meetings
- 2007-2010 Boston University Graduate Student Organization, *Treasurer*

FIELD EXPERIENCE

Mapping and sample collection:

Western Alps; Switzerland, Italy, 2017
Pikwitonei Granulite Domain, MB, Canada, 2015
Eastern Beartooth Mountains, MT/WY, USA, 2014
Townshend Dam, southeastern VT, USA, 2009
Cycladic Islands, Greece, 2009
Mesozoic Rift Basin, CT, USA, 2000
Counties Galway and South Mayo, Ireland, 1999

Teaching assistant for mineralogy course:

Central and western Massachusetts, southern New Hampshire and Vermont, USA, 2007-2012

TECHNICAL EXPERTISE

Expertise in thermal ionization mass spectrometry (TIMS), clean laboratory procedures, and other wet chemical techniques. Extensive use of electron microprobe (EMPA), laser ablation inductively-coupled mass spectrometry (LA-ICP-MS), X-ray diffraction (XRD), scanning electron microscopy (SEM), and whole-rock (e.g. X-Ray fluorescence) analysis. Use of multi-collector ICP-MS (for stable isotope analyses), and Synchrotron light source. Extensive experience in standard preparation and optical mineralogy techniques.

Expertise in office and graphical software. Use of MATLAB, Mathematica, and statistical software. Extensive use of thermodynamic software for petrological applications (i.e. Perple_X, THERMOCALC).

OUTREACH AND ENRICHMENT

2015/2016 Volunteer for Virginia Tech Museum of Geosciences GeoFair and Mineral Sale
2015 Guest teacher at the Hurley School in Boston, MA (6th-8th grades) on plate tectonics and geologic field experiences
2007/8/10/12 Teaching Assistant for the RoBoT (Rocks Beneath Our Toes) program, Boston University
2008/2009 Presenter for Science Fair at The Runkle School, Brookline, MA

AFFILIATIONS

Geological Society of America
Mineralogical Society of America
Geochemical Society
American Geophysical Union

REMAINING ABSTRACTS

30. Guevara, V.G., **Dragovic, B.**, Caddick, M.J., Baxter, E.F., 2016. The ghost of a craton's past. 51st Annual Meeting of the Northeastern section of the Geological Society of America, Albany, NY. (*oral*)
29. **Dragovic, B.**, Caddick, M.J., 2015. A (very) brief history of subduction: insights from thermodynamic and geodynamic models. Geological Society of America Annual Meeting, Baltimore, MD. (*oral*)
28. **Dragovic, B.**, Guevara, V., Caddick, M.J., Baxter, E.F., 2015. Limitations and utility of Sm-Nd garnet geochronology of high-temperature metamorphism: an example from the Wyoming Craton. Geological Society of America Annual Meeting, Baltimore, MD. (*poster*)
27. Guevara, V., **Dragovic, B.**, Caddick, M.J., 2015. P-T path of short-lived Neoproterozoic granulite facies metamorphism of the Wyoming Craton. Geological Society of America Annual Meeting, Baltimore, MD. (*oral*)

26. Gorce, J., Caddick, M.J., Baxter, E.F., Ashley, K.T., Kendall, J.A., **Dragovic, B.**, Brooks, H.L., Ramos, E.J., 2015. P-T paths from Syros, Greece, and constraints on subduction zone fluid generation. Geological Society of America Annual Meeting, Baltimore, MD. (*poster*)
25. Brooks, H.L., Lamadrid, H.M., Caddick, M.J., **Dragovic, B.**, Bodnar, R.J., 2015. Insights into subduction zone fluid chemistries from fluid inclusions in blueschist from Sifnos, Greece. Geological Society of America Annual Meeting, Baltimore, MD. (*poster*)
24. Baratoux, L., Honn, D., Bartatoux, D., Eccles, K.A., Baxter, E.F., **Dragovic, B.**, Block, S., Jessell, M.W., 2015. Sm-Nd garnet metamorphic ages in the Bole-Nangodi belt, Ghana. 25th Annual VM Goldschmidt Conference, Prague, Czech Republic. (*oral*)
23. **Dragovic, B.**, Gatewood, M.G., Baxter, E.F., Stowell, H., Hirsch, D., Bloom, R., 2015. Determining the timescale and amount of syn-metamorphic fluid flow during regional metamorphism, Townshend Dam, Vermont, U.S.A. Southeastern section of the Geological Society of America. (*oral*)
22. **Dragovic, B.**, Caddick, M.J., Baxter, E.F., 2014. Rapid heating at subduction interfaces: A special case or the norm? American Geophysical Union Fall Meeting, San Francisco. (*poster*)
21. Guevara, V., **Dragovic, B.**, Caddick, M.J., Baxter, E.F., 2014. 2.69-2.68 Ga granulite facies metamorphism in the Wyoming Craton revealed by Sm-Nd garnet geochronology and trace element zoning, eastern Beartooth Mountains, Montana and Wyoming, USA. American Geophysical Union Fall Meeting, San Francisco. (*poster*)
20. McCall, K.E., Caddick, M.J., **Dragovic, B.**, 2014. Chemical potentials: the key to unlocking the conditions of garnet nucleation? 63rd Annual Meeting of the Geological Society of America Southeastern Section, Blacksburg, Virginia. (*oral*)
19. **Dragovic, B.**, Baxter, E.F., Caddick, M.J., 2013. Pulsed garnet growth and dehydration during subduction, Sifnos, Greece. Geological Society of America Annual Meeting, Denver, CO. (*oral*)
18. Bloom, R., Hirsch, D., Gatewood, M.G., **Dragovic, B.**, Baxter, E.F., Stowell, H.H., 2013. The kinetics of garnet crystallization, Townshend Dam, VT. Geological Society of America Annual Meeting, Denver, CO. (*oral*)
17. Baxter, E.F., **Dragovic, B.**, Caddick, M., 2013. The chronology of dehydration. 23rd Annual VM Goldschmidt Conference, Florence, Italy. (*oral*)
16. Stowell, H.H., Gatewood, M.G., **Dragovic, B.**, Baxter, E.F., Hirsch, D., Bloom, R., 2013. Garnet compositional zoning and evaluating equilibrium in pelitic schist: an example from Townshend Dam, VT. 47th Annual Meeting of the Geological Society of America South-Central Section, Austin, Texas. (*oral*)
15. Stowell, H.H., Gatewood, M.G., **Dragovic, B.**, Baxter, E.F., Hirsch, D., Bloom, R., 2012. Evaluating the scale and nature of equilibrium in metamorphic rocks using garnet compositions. 2012 Geological Society of America Annual Meeting, Charlotte, NC. (*oral*)
14. Baxter, E.F., **Dragovic, B.**, Caddick, M.J., 2012. Linking zoned garnet Sm-Nd geochronology and thermodynamic analysis to constrain subduction zone dehydration flux. 34th International Geological Congress, Brisbane, Australia. (*oral*)
13. **Dragovic, B.**, Gatewood, M.G., Baxter, E.F., Stowell, H.H., Hirsch, D.M., Bloom, R., 2012. Constraining dehydration rates during regional metamorphism, Townshend Dam, Vermont, U.S.A. 22nd Annual VM Goldschmidt Conference, Montreal, Canada. (*oral*)
12. Bloom, R., Hirsch, D.M., **Dragovic, B.**, Gatewood, M.G., Baxter, E.F., Stowell, H.H., 2012. Determining garnet crystallization kinetics from growth zoning and Mn-calibrated Sm-Nd ages at Townshend Dam, VT. 22nd Annual VM Goldschmidt Conference, Montreal, Canada. (*oral*)

11. **Dragovic, B.**, Baxter, E.F., Caddick, M., 2011. Dehydration history of subducting lithologies, Sifnos, Greece. 2011 American Geophysical Union Fall Meeting, San Francisco. *(oral)*
10. Gatewood, M.G., **Dragovic, B.**, Stowell, H.H., Baxter, E.F., Hirsch, D.M., Bloom, R., 2011. Utilizing major element and age zoning in garnet as a tool for evaluating the scale of equilibrium in metamorphic rocks. 2011 American Geophysical Union Fall Meeting, San Francisco. *(oral)*
9. Baxter, E.F., Caddick, M., Thompson, A., **Dragovic, B.**, Pollington, A.D., Ague, J., 2011. Causes of pulsed mineral growth during metamorphism. 21st Annual VM Goldschmidt Conference, Prague, Czech Republic. *Mineralogical Magazine*, v. 75, no. 3, p. 501. *(poster)*
8. **Dragovic, B.**, Baxter, E.F., Caddick, M., 2011. Accelerating garnet growth and related dehydration at blueschist-facies conditions, Sifnos, Greece. 21st Annual VM Goldschmidt Conference, Prague, Czech Republic. *Mineralogical Magazine*, v. 75, no. 3, p. 779. *(oral)*
7. **Dragovic, B.**, Mehl, L., Baxter, E.F., Selverstone, J., 2010. Constraining the duration and rate of garnet growth and dehydration during subduction, Sifnos, Greece. 20th Annual VM Goldschmidt Conference, Knoxville, TN. *Geochimica et Cosmochimica Acta*, v. 74, no. 12, p. A246. *(poster)*
6. Baxter, E.F., Pollington, A.P., **Dragovic, B.**, Gatewood, M.P., Inglis, J.D., 2010. Progress in zoned garnet geochronology. 2010 Geological Society of America Annual Meeting, Denver, CO. *(oral)*
5. Baxter, E.F., Pollington, A.D., **Dragovic, B.**, Jordan, M.K., Inglis, J.D., 2009. Sm/Nd garnet geochronology: Higher precision on smaller samples. 19th Annual VM Goldschmidt Conference, Davos, Switzerland. *Geochimica et Cosmochimica Acta*, v. 73, no. 13, p. A97. *(oral)*
4. Sibbick, R.G., Brown A.D., **Dragovic, B.**, Knight, C., Garrity, S., Comeau, R., 2007. Determination of water to cementitious ratios by the use of the fluorescence microscopy technique in hardened concrete samples: Part 1. 29th ICMA conference, Quebec City, Quebec, Canada. *(oral)*
3. Sibbick, R.G., Brown A.D., **Dragovic, B.**, Knight, C., Garrity, S., Comeau, R., 2007. Investigation into the determination of water to cementitious ratios by the use of the fluorescence microscopy technique in hardened concrete samples: Part 1. 11th Euroseminar on Microscopy Applied to Building Materials, Porto, Portugal. *(oral)*
2. **Dragovic, B.**, Philpotts, A. R., 2002. Degree of crystal mush compaction as inferred from overgrowths on plagioclase phenocrysts in the Holyoke basalt, CT. Geological Society of America Northeastern Section 37th Annual Meeting. *(oral)*
1. **Dragovic, B.**, Philpotts, A. R., 2000. Use of neutrally buoyant plagioclase phenocrysts as passive markers in determining compaction in a basaltic crystal-mush. Geological Society of America Northeastern Section 35th Annual Meeting. *(oral)*