

## **Dr. Yvette D. Kuiper - Curriculum Vitae**

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### **Education**

- 1997–2003 **Ph.D. Geology**, University of New Brunswick, Fredericton, NB, Canada  
Thesis title: “Isotopic constraints on timing of deformation and metamorphism in Thor–Odin, Monashee Complex, southeastern British Columbia.”  
Supervisors: Profs. P.F. Williams and S.D. Carr
- 1992–1997 **M.Sc. (‘doctoraal’) Geology** (Structural Geology and Material Sciences), Utrecht University, Utrecht, The Netherlands  
Thesis title: “Structural geology of the contact zones between the Kurrana Granitoid Complex and the Mosquito Creek Block in the eastern Pilbara, Western Australia.”  
Supervisor: Prof. S.H. White
- 1986–1992 High School Diploma, Christelijk College Stad en Lande, Huizen, The Netherlands

### **Professional Experience**

- 2017– Associate Professor, Colorado School of Mines, Golden, CO, USA
- 2011–2017 Assistant Professor, Colorado School of Mines, Golden, CO, USA
- 2006–2011 Assistant Professor, Boston College, Chestnut Hill, MA, USA
- July 2008 Instructor, Geology Field Camp in Montana, Southern Illinois University, USA
- Sept. 2005 Sessional Lecturer, Field trip across the Canadian Cordillera for fourth year students, University of Waterloo, Canada
- Winter 2005 Sessional Lecturer, Introductory Structural Geology, University of Waterloo, Canada
- 2003–2005 Postdoctoral researcher, University of Waterloo, Canada; Structural geology and geochronology of the Superior Province Boundary Zone, northern Manitoba
- 1997–2002 Various teaching assistantships at the University of New Brunswick (Structural Geology I, II; 2<sup>nd</sup> and 3<sup>rd</sup> year Field Schools; Rock Mechanics; Igneous and Metamorphic Petrology; Introductory Geology)
- 1994–1997 Various teaching assistantships at Utrecht University (Thermodynamics I, II; Metamorphic Petrology)
- 1997 Geologist, Nederlandse Aardolie Maatschappij (NAM; Dutch Oil Company), Assen, The Netherlands (workterm)  
Report title: “Zechstein Salt tectonics in the Terschelling Basin area”

### **Awards**

- **2014 American Geophysical Union** Editors’ Citation for **Excellence in Refereeing** for the journal *Tectonics*.
- **2011 Award for Teaching and Mentoring** from the Boston College Earth and Environmental Sciences graduate and undergraduate students.

- **2004 Best Ph.D. Thesis Award** from the Structural Geology and Tectonics Division of the Geological Association of Canada, 2004 (for theses defended at Canadian universities between September 2002 and December 2003).
- **Nomination** by the University of New Brunswick for the Canadian Association for Graduate Studies **2004 Distinguished Dissertation Award** (each university may nominate only one thesis per year in the category of engineering, medical sciences and the natural sciences).
- **Wright Scholarship**, 1998 (\$2000), from the Department of Geology, UNB.

**Publications** (Kuiper and advised students in bold; \*BS student, \*\*MS student, \*\*\*PhD student)

Publications in Peer Reviewed Journals:

1. **Kuiper, Y.D.**, Thompson, M.D., Barr, S.M., White, C.E., Hepburn, J.C., Crowley, J.L., in press. Detrital zircon evidence for Paleoproterozoic West African crust along the eastern North American continental margin, Georges Bank, offshore Massachusetts, USA. *Geology*, doi:10.1130/G39203.1
2. **Kay, A.\*\***, Hepburn, J.C., **Kuiper, Y.D.**, Baxter, E.F., 2017. Geochemical evidence for a Ganderian arc/back-arc remnant in the Nashoba terrane, SE New England, USA. *American Journal of Science* 317, 413–448.
3. **Frieman, B.M.\*\*\***, **Kuiper, Y.D.**, Kelly, N.M., Monecke, T., Kylander-Clark, A., 2017. Constraints on the geodynamic evolution of the southern Superior province from U-Pb LA-ICP-MS analysis of detrital zircon in successor basins of the Archean Abitibi and Pontiac subprovinces of Ontario and Quebec, Canada. *Precambrian Research* 292, 398–416.
4. **Palmer, J.C.\*\***, **Kuiper, Y.D.**, 2017. Structural geology of the eastern Nadaleen Trend, Yukon Territory, Canada: implications for recently discovered sedimentary rock-hosted gold. *Ore Geology Reviews*. *Ore Geology Reviews* 80, 48–60.
5. **Kuiper, Y.D.**, 2016. Development of the Norumbega fault system in mid-Paleozoic New England, USA: an integrated subducted oceanic ridge model. *Geology* 44, 455–458.
6. **Kuiper, Y.D.**, Williams, P.F., Hamilton, M.A., 2015. Effects of Paleogene faults on the reconstruction of the metamorphic history of the northwestern Thor–Odin dome of the Monashee Complex, southeastern British Columbia. *Lithosphere* 7, 321–335.
7. Capistrant, P.L., Hitzman, M.W., Wood, D., Kelly, N.M., Williams, G., Zimba, M., **Kuiper, Y.D.**, Jack, D., Stein, H., 2015. Geology of the Enterprise Hydrothermal Nickel Deposit, North-Western Province, Zambia. *Economic Geology* 110, 9–38.
8. **Kuiper, Y.D.**, **Shields, C.D.\***, Tubrett, M.N., Bennett, V. Buchwaldt, R., 2014. Age and provenance of a Paleoproterozoic to Devonian Canadian Cordilleran passive margin sequence, Thor–Odin dome, southeastern British Columbia. *Geological Society of America Bulletin* 126, 1259–1274.
9. Zaroni, D., **Kuiper, Y.D.**, Williams, P.F., 2014. Pre- to post-Cordilleran transposition history at Joss Mountain: insights into the exhumation of the Shuswap complex, southeastern Canadian Cordillera. *Lithosphere* 6, 419–442.

10. **McPherren, E.D.\*\***, **Kuiper, Y.D.**, 2013. The effects of dissolution-precipitation creep on quartz fabrics within the Purgatory Conglomerate, Rhode Island. *Journal of Structural Geology* 51, 105–117.
11. **Kuiper, Y.D.**, Lin, S., Böhm, C.O., 2011. Himalayan-type escape tectonics along the Superior Boundary Zone in Manitoba, Canada. *Precambrian Research* 187, 248–262.
12. **Kuiper, Y.D.**, Lin, S., Jiang, D., 2011. Deformation partitioning in transpressional shear zones with an along-strike stretch component: an example from the Superior Boundary Zone, Manitoba, Canada. *Journal of Structural Geology* 33, 192–202.
13. Short, H.A., **Kuiper, Y.D.**, Johnson, S.E., Jiang, D., 2011. Estimation of vorticity from fibrous calcite veins, central Maine, USA – Corrigendum. *Journal of Structural Geology* 33, p. 59.
14. **Kuiper, Y.D.**, Jiang, D., 2010. Kinematics of deformation constructed from deformed planar and linear elements: the method and its application. *Tectonophysics* 492, 175–191.
15. **Kuiper, Y.D.**, 2009. Sheath fold in mylonite of the Assean Lake shear zone, northern Manitoba, Canada. *Journal of Structural Geology* 31, p. 1442.
16. **Kuiper, Y.D.**, 2008. The dry-erase cube: making three-dimensional visualization easy. *Journal of Geoscience Education* 56, 261–268.
17. **Kuiper, Y.D.**, Jiang, D., Lin, S., 2007. Relationship between non-cylindrical fold geometry and the shear direction in monoclinic and triclinic shear zones. *Journal of Structural Geology* 29, 1022–1033.
18. **Kuiper, Y.D.**, Williams, P.F., Kruse, S., 2006. Possibility of channel flow in the southern Canadian Cordillera; a new approach to explain existing data. In: R.D. Law, M. Searle and L. Godin (eds). *Channel Flow, Ductile Extrusion and Exhumation of Lower-mid Crust in Continental Collision Zones*. *Journal of the Geological Society of London, Special Publications*, 268, 587–609.
19. **Kuiper, Y.D.**, 2005. Isotopic age constraints from electron microprobe U–Th–Pb dates, using a three-dimensional concordia diagram. *American Mineralogist*, 90, 586–591.
20. **Kuiper, Y.D.**, 2002. The interpretation of inverse isochron diagrams in  $^{40}\text{Ar}/^{39}\text{Ar}$  geochronology. *Earth and Planetary Science Letters* 203, 499–506.

#### Field Guides:

1. **Kuiper, Y.D.**, **Buchanan, J.W.\*\*\***, **Charnock, R.C.\*\***, Hepburn, J.C., Kopera, J.P., 2014. Structural history of the Nashoba terrane – Merrimack belt boundary zone, eastern Massachusetts. *New England Intercollegiate Geological Conference Field Trip C4*, 12 pp.
2. Hepburn, J.C., **Kuiper, Y.D.**, **Buchanan, J.W.\*\*\***, **Kay, A.\*\***, **Dabrowski, D.R.\*\***, 2014. Evolution of the Nashoba terrane, an early Paleozoic Ganderian arc remnant in eastern Massachusetts. *New England Intercollegiate Geological Conference, Field Trip B3*, 19 pp.
3. **Kuiper, Y.D.**, Kopera, J., 2012. Deformation styles and timing of deformation across terranes in eastern Massachusetts. *Structural Geology and Tectonics Forum 2<sup>nd</sup> biennial meeting (14-16 June)*, Williamstown, MA. 14 pp.

4. Marshak, S., **Kuiper, Y.D.**, 2012. Structural Geology, Stratigraphy, and Tectonics of the Hudson Valley Fold-Thrust Belt, Appalachian foreland, New York. Structural Geology and Tectonics Forum 2<sup>nd</sup> biennial meeting (14-16 June), Williamstown, MA, 18pp.
5. **Kuiper, Y.D.**, Ebel, J.E., 2010. Fault-related rocks in eastern Massachusetts: how is fault movement accommodated at various crustal levels? Field trip for the 82<sup>nd</sup> annual meeting of the Eastern Section of the Seismological Society of America, 14 pp.
6. Marshak, S., Burmeister, K.C., Sen, P., **Yakovlev, P.\***, **Kuiper, Y.D.**, 2009. Structures of the Hudson-Valley Fold-Thrust belt in the Appalachian Foreland in Eastern New York. New York State Geological Association 81<sup>st</sup> Annual Meeting (25-27 September), New Paltz, NY, 1.1-1.18.

Government Reports:

1. **Kuiper, Y.D.**, Næraa, T., Wang, H., Rehnström, E.F., Schmith, J., 2007. Field Report, 64 V2 Syd, Kapisillit map sheet 1:100 000. Field report, Geological Survey of Denmark and Greenland.
2. Bennett, V., **Kuiper, Y.D.**, 2006. Field Report: Central Kapisillit Map Sheet (64V2 Syd) (UTM Zones 22NW and 22NE) and Akullersuaq Map Areas, (UTM Zone 22NE). Field report, Geological Survey of Denmark and Greenland.
3. **Rink Jørgensen, M.\*\***, **Kuiper, Y.D.**, Hollis, J.H., 2006. Field report – Kapisillit mapsheet, 2006. Field report, Geological Survey of Denmark and Greenland.
4. **Kuiper, Y.D.**, Böhm, C.O., Lin, S., 2005. Structural geology of the Mystery-Apussigamasi lakes area, Manitoba (parts of NTS 63P13 and 14). In: Report of Activities 2005, Manitoba Industry, Economic Development and Mines, Manitoba Geological Survey, 61–68.
5. **Kuiper, Y.D.**, Lin, S., Böhm, C.O., Corkery, M.T., 2004. Structural geology of the Aiken River deformation zone, northern Manitoba (NTS 64A1, 2). In: Report of Activities 2004, Manitoba Industry, Economic Development and Mines, Manitoba Geological Survey, 201–208.
6. **Kuiper, Y.D.**, Lin, S., Böhm, C.O., Corkery, M.T., 2004. Structural geology of Assean Lake, northern Manitoba (NTS 64A1, 2, 8). In: Report of Activities 2004, Manitoba Industry, Economic Development and Mines, Manitoba Geological Survey, 195–200.
7. Hartlaub, R.P., Böhm, C.O., **Kuiper, Y.D.**, Bowerman, M.S., Heaman, L.M., 2004. Archean and Paleoproterozoic Geology of the northwestern Split Lake Block, Superior Province (NTS 64A1, 54D5, 6). In: Report of Activities 2004, Manitoba Industry, Economic Development and Mines, Manitoba Geological Survey, 187–194.
8. **Kuiper, Y.D.**, Lin, S., Böhm, C.O., Corkery, M.T., 2003. Structural geology of the Assean Lake and Aiken River deformation zones, northern Manitoba (NTS 64A1, 2 and 8). In: Report of Activities 2003, Manitoba Industry, Economic Development and Mines, Manitoba Geological Survey, 105–113.

9. Böhm, C.O., Corkery, M.T., Bowerman, M.S., Downey, M.W., Hartlaub, R.P., **Kuiper, Y.D.**, Heaman, L.M., Lin, S., 2003. Superior margin programs in the lower Nelson River region, Manitoba (parts of NTS 54D and 64A): year one. In: Report of Activities 2003, Manitoba Industry, Economic Development and Mines, Manitoba Geological Survey, 86–91.

#### Government Maps:

1. Rehnström, E.F. (compiler) and 36 coauthors including **Kuiper, Y.D.** and **Rink Jørgensen, M.\*\***, 2011. Geological map of Greenland 1:100 000, Kapisillit 64 V.2 Syd. Copenhagen. Geological Survey of Denmark and Greenland.
2. **Kuiper, Y.D.**, 2005. Structural geology of the Mystery-Apussigamasi lakes area, Manitoba (parts of NTS 63P13 and 14). Manitoba Industry, Economic Development and Mines, Manitoba Geological Survey, PMAP2005-5, scale 1:35 000.
3. **Kuiper, Y.D.**, Lin, S., 2004. Structural geology of the Aiken River deformation zone, Manitoba (parts of NTS 64A1 and 2). Manitoba Industry, Economic Development and Mines, Manitoba Geological Survey, PMAP2004-3, scale 1:50 000.
4. **Kuiper, Y.D.**, Lin, S., 2004. Structural geology of the Aiken River deformation zone, York Landing area, Manitoba (parts of NTS 64A1). Manitoba Industry, Economic Development and Mines, Manitoba Geological Survey, PMAP2004-4, scale 1:20 000.
5. **Kuiper, Y.D.**, Lin, S., Böhm, C.O., Corkery, M.T., 2004. Structural geology of Assean Lake, Manitoba (parts of NTS 64A1, 2 and 8). Manitoba Industry, Economic Development and Mines, Manitoba Geological Survey, PMAP2004-2, scale 1:25 000.
6. Hartlaub, R.P., **Kuiper, Y.D.**, 2004. Geology of central and north Split Lake, Manitoba (parts of NTS 54D4, 5 and 64A1, 8). Manitoba Industry, Economic Development and Mines, Manitoba Geological Survey, PMAP2004-1, scale 1:20 000.

#### Industry Reports (\*\*\*)advised PhD student):

1. **Tavares Nassif, M.\*\*\***, **Kuiper, Y.D.**, 2017. Structural-metallogenic evolution of the Garrison property, southern Abitibi greenstone belt in Ontario, Canada. Submitted to Osisko Mining, Toronto, ON, 39 pp.
2. **Frieman, B.M.\*\*\***, **Kuiper, Y.D.**, Kelly, N.M., Monecke, T., 2015. Detrital zircon U-Pb age and Hf isotope comparisons between Timiskaming and Porcupine assemblage greywacke from the southern Abitibi greenstone belt in Ontario and Quebec, Canada. Submitted to Osisko Gold Royalties Ltd., Montreal, QC, 26 pp.
3. **Kuiper, Y.D.**, 2012. Structural setting of the Osiris, Isis and Isis East zones of the Rackla Gold Belt, east-central Yukon. Submitted to ATAC Resources Ltd., Vancouver, BC, 17 pp.

Conference Abstracts (GSA – Geological Society of America):

1. **Tavares Nassif, M.\*\*\*, Kuiper, Y.D.**, Rhys, D., Goldfarb, R., Monecke, T., Matheson, G., 2017. Geology and structural controls of the Garrison gold deposits, southern Abitibi greenstone belt, eastern Ontario, Canada. Society for Geology Applied to Mineral Deposits Biennial Meeting, Quebec City, Canada, August 20–23.
2. **Frieman, B.M.\*\*\*, Kuiper, Y.D.**, Monecke, T., Kelly, N.M., 2017. Distribution, characteristics, and relationship between brittle and ductile dextral transpressive structures along the Larder Lake-Cadillac deformation zone in the Kirkland Lake area of the Abitibi subprovince, Canada. Prospectors and Development Association of Canada, Toronto, ON, March 5–7.
3. **Tavares Nassif, M.\*\*\*, Kuiper, Y.D.**, Matheson, G., 2017. Structural and ore characterization of the Garrison property, east of Timmins, Ontario, Canada. Prospectors and Development Association of Canada, Toronto, ON, March 5–7, 2017.
4. **Kuiper, Y.D.**, Wintsch, R.P., Severson, A.R., Attenoukon, M.B., 2017. A case for Alleghanian ‘mini’ indenter tectonics in the southeastern New England Appalachians. GSA Abstracts with Programs, Vol. 49, No. 2.
5. **Kuiper, Y.D.**, Thompson, M.D., Barr, S.M., White, C.E., Hepburn, J.C., Crowley, J.L., 2017. Detrital zircon analysis of basement in the COST No. G-1 well, Georges Bank, offshore Massachusetts: Fragments of West African crust? GSA Abstracts with Programs, Vol. 49, No. 2.
6. **Buchanan, J.W.\*\*\*, Kuiper, Y.D.**, Williams, M.L., Hepburn, J.C., 2017. Constraints on Devonian-Carboniferous deformation in the Nashoba terrane, eastern Massachusetts. GSA Abstracts with Programs, Vol. 49, No. 2.
7. **Severson, A.R.\*\*\*, Kuiper, Y.D., Buchanan, J.W.\*\*\***, 2017. Preliminary structural analysis of the southeastern Nashoba terrane, eastern Massachusetts: Evidence for ductile extrusion? GSA Abstracts with Programs, Vol. 49, No. 2.
8. *Invited:* **Kuiper, Y.D.**, 2016. A model of subduction of a mid-Paleozoic oceanic ridge - transform fault system along the Eastern North American Margin in the northern Appalachians. Eos Transactions, American Geophysical Union, Fall Meeting.
9. **Kuiper, Y.D.**, 2016. A potential solution to apparently contrasting Alleghanian tectonic histories along the strike of the Appalachians in eastern MA, RI and CT. GSA Abstracts with Programs, Vol. 48, No. 7.
10. **He, T.X.\*\*, Kuiper, Y.D.**, Hepburn, J.C., 2016. Linking the structural history of the Rocky Pond Slice to those of the Nashoba terrane and Merrimack belt of eastern Massachusetts. GSA Abstracts with Programs, Vol. 48, No. 7.
11. **Gentry, E.N.\*\*, Kuiper, Y.D.**, Hepburn, J.C., 2016. Field study of high-strain zones in the southeastern New England Appalachians to characterize the southern termination of the Norumbega fault system. GSA Abstracts with Programs, Vol. 48, No. 7.
12. **Buchanan, J.W.\*\*\*, Kuiper, Y.D.**, Williams, M.L., Hepburn, J.C., 2016. Ductile extrusion of the Nashoba Formation during convergence of the Avalon terrane with the composite Laurentian margin, Eastern Massachusetts. GSA Abstracts with Programs, Vol. 48, No. 7.

13. **Frieman, B.M.\*\*\*, Kuiper, Y.D.**, Kelly, N.M., Monecke, T., 2016. Provenance and tectonic evolution recorded by successor basins in the southern Abitibi subprovince: Insights from new U-Pb LA-ICP-MS analyses of detrital zircon. GSA Abstracts with Programs, Vol. 48, No. 7.
14. **Kuiper, Y.D.**, 2016. A model of subduction of a mid-Paleozoic oceanic ridge - transform fault system in the northern Appalachians: a comparison with modern western North America. Structural Geology and Tectonics Forum 4<sup>th</sup> biennial meeting (1-3 August), Rohnert Park, CA.
15. **Frieman, B.M.\*\*\*, Kuiper, Y.D.**, Monecke, T., Kelly, N.M., 2016. Characteristics and distribution of brittle-ductile structures associated with dextral transpression along the Larder Lake-Cadillac deformation zone in the southern Abitibi subprovince, Canada. Structural Geology and Tectonics Forum 4<sup>th</sup> biennial meeting (1-3 August), Rohnert Park, CA.
16. **Frieman, B.M.\*\*\*, Kuiper, Y.D.**, Kelly, N.M., Monecke, T., 2016. Provenance and tectonic evolution recorded by successor basins in the Abitibi-Wawa terrane: Insights from new U-Pb LA-ICP-MS analyses of detrital zircon. Institute on Lake Superior Geology, Annual Meeting, Duluth MN.
17. **Lytle, M.\*\*, Kuiper, Y.D.**, Ridley, J., Caine, J.S., and Wessel, Z., 2016. Fold-related structures of the Paleoproterozoic Idaho Springs-Ralston shear zone and implications for its evolution as crustal-scale feature. GSA Abstracts with Programs, Vol. 48, No. 6., 11-2.
18. **Tavares Nassif, M.\*\*\*, Kuiper, Y.D.**, 2016. Preliminary structural and petrological results of the Garrison property, east of Matheson, Ontario, Canada, Canada. Association for Mineral Exploration British Columbia Roundup, Vancouver, BC.
19. **Kuiper, Y.D.**, 2016. Along-strike variations in the Appalachians partially explained by a model of mid-Paleozoic oceanic ridge subduction in the northern Appalachians. GSA Abstracts with Programs, Vol. 48, No. 2, 34-4.
20. **Buchanan, J.W.\*\*\*, Kuiper, Y.D.**, Hepburn, J.C., Kelly, N.M., 2016. Linking Partial Melting in the Nashoba formation to the Andover Granite, eastern Massachusetts. GSA Abstracts with Programs, Vol. 48, No. 2, 43-3.
21. **He, T.X.\*\*, Kuiper, Y.D.**, Hepburn, J.C., 2016. Structural setting of the Rocky Pond Slice, an enigmatic tectonic block in eastern Massachusetts. GSA Abstracts with Programs, Vol. 48, No. 2, 62-8.
22. **Conaway, B.L.\*, Kuiper, Y.D.**, Hepburn, J.C., 2016. Structural History of the Reubens Hill Complex in Eastern Massachusetts. GSA Abstracts with Programs, Vol. 48, No. 2, 62-7.
23. Burmeister K.C., **Kuiper, Y.D.**, Mainwaring N.E., Anma, R., Orihashi, Y., Shiomi, K., 2016. Petrography and provenance of the northernmost Shawangunk Formation; Hudson Valley, New York. GSA Abstracts with Programs, Vol. 48, No. 2, 44-5.
24. **Kuiper, Y.D.**, 2015. A subducted oceanic spreading ridge model for mid-Paleozoic eastern New England and southern Maritime Canada. GSA Abstracts with Programs, Vol. 47, No. 7, p. 226.

25. **Buchanan, J.W.\*\*\*, Kuiper, Y.D.**, Buchwaldt, R., 2015. New advances on the deformation and anatexis history of the Nashoba terrane, New England Appalachians. *GSA Abstracts with Programs*, Vol. 47, No. 7, p. 862.
26. **Frieman, B.M.\*\*\*, Kuiper, Y.D.**, Kelly, N.M., Monecke, T., 2015. Structural characteristics and distribution of strain associated with dextral transpression along the Larder Lake-Cadillac deformation zone in the southern Abitibi subprovince, Canada. *GSA Abstracts with Programs*, Vol. 47, No. 7, p. 150.
27. Zaroni, D., Gosso, G., **Kuiper, Y.D.**, Spalla M.I., Williams, P.F., 2015. Heterogeneous tectonic histories within the Omineca belt, southeastern Canadian Cordillera. *Rendiconti Online, Società Geologica Italiana* 31.
28. **Frieman, B.M.\*\*\*, Kuiper, Y.D.**, Kelly, N.M., Monecke, T., 2015. Insights into Archean greenstone belt evolution: Evidence from compilation of high precision U-Pb zircon data in the southern Abitibi subprovince, Canada. Geological Association of Canada and Mineralogical Association of Canada Annual Meeting (May 3–7, 2015), Montreal, Quebec, Canada.
29. **Kuiper, Y.D.**, 2015. Insights into mid-crustal levels of a Late Devonian triple junction: interaction between the dextral Norumbega fault and the partially melted Nashoba terrane in southeastern New England. *GSA Abstracts with Programs*, Vol. 47, No. 2, p. 119.
30. **Kuiper, Y.D., Charnock, R\*\*., McMaster\***, K., Hepburn, J.C., 2015. Evolution of the southeastern margin of the Merrimack belt in eastern Massachusetts. *GSA Abstracts with Programs*, Vol. 47, No. 2, p. 43.
31. **Buchanan, J.W.\*\*\*, Kuiper, Y.D.**, Kelly, N.M., 2015. Preliminary metamorphic history of the Nashoba Formation, eastern Massachusetts. *GSA Abstracts with Programs*, Vol. 47, No. 2, p. 92.
32. **Kuiper, Y.D.**, Williams, P.F., Hamilton, M.A., 2014. The significance of Paleogene faults in the reconstruction of metamorphic histories in the Canadian Cordillera: an example from the northwestern Thor–Odin dome of the Monashee Complex, southeastern British Columbia. *GSA Abstracts with Programs* Vol. 46, No. 6, p.175.
33. **Palmer, J.C.\*\* , Kuiper, Y.D.**, 2014. The potential influence of a triangle zone geometry on the location of gold deposits in sedimentary rocks: an example from the Rackla Gold Belt, Yukon Territory, Canada. *GSA Abstracts with Programs*, Vol. 46, No. 6, p.462.
34. **Frieman, B.M.\*\*\*, Kuiper, Y.D.**, Monecke, T., 2014. Evidence for early horizontal shortening in the southern Abitibi subprovince, Canada: Implications for Neoproterozoic geodynamic processes. Society of Economic Geologists Conference (September 27-30), Keystone, CO.
35. Thomas, H., Kelly, N.M., Monecke, T., Mercier-Langevin, P., Pitre, D., **Kuiper, Y.D.**, 2014. Bulk compositional controls on mineral assemblages in metamorphosed ore deposits: an example from the LaRonde-Penna Au-rich VHMS deposit, Quebec, Canada. Society of Economic Geologists Conference (September 27-30), Keystone, CO.



36. Oseguera, O., Monecke, T., Holley, E., **Kuiper, Y.D.**, Kelly, N.M., 2014. The significance of magma mingling and mixing during the formation of the volcanic host rock successions of the Archean Horne and Quemont massive sulfide deposits, Rouyn-Noranda, Quebec. Society of Economic Geologists Conference (September 27-30), Keystone, CO.
37. **Kuiper, Y.D.**, 2014. Geological field research: an ideal course 'recipe' for advanced undergraduate and beginning graduate students. Structural Geology and Tectonics Forum 3<sup>rd</sup> biennial meeting (16-18 June), Golden, CO.
38. **Palmer, J.C.\*\***, **Kuiper, Y.D.**, 2014. Structural geology of the Nadaleen Trend, Northeastern Yukon Territory, Canada: implications for recent Au discoveries. Structural Geology and Tectonics Forum 3<sup>rd</sup> biennial meeting (16-18 June), Golden, CO.
39. **Frieman, B.M.\*\*\***, **Kuiper, Y.D.**, Monecke, T., Kelly, N.M., 2014. Pre-Timiskaming folding in the Archean Southern Abitibi Greenstone Belt, Ontario and Québec, Canada: structural constraints and conundrums. Structural Geology and Tectonics Forum 3<sup>rd</sup> biennial meeting (16-18 June), Golden, CO.
40. **Charnock, R.\*\***, **Kuiper, Y.D.**, Möller, A., Buchwaldt, R., Hepburn, J.C., 2014. A structural and U-Pb zircon geochronology investigation of selected units in the Eastern Merrimack Belt: implications for Post-Acadian deformation, eastern Massachusetts. Structural Geology and Tectonics Forum 3<sup>rd</sup> biennial meeting (16-18 June), Golden, CO.
41. **Buchanan, J.W.\*\*\***, **Kuiper, Y.D.**, Buchwaldt, R., 2014. Timing and style of deformation in the Nashoba Formation of the Nashoba Terrane, eastern Massachusetts. Structural Geology and Tectonics Forum 3<sup>rd</sup> biennial meeting (16-18 June), Golden, CO.
42. **Buchanan, J.W.\*\*\***, **Kuiper, Y.D.**, Hepburn, J.C., **Dabrowski, D.R.\*\***, **Kay, A.\*\***, **Loan, M.L.\*\***, Buchwaldt, R., 2014. Recent advances on the origin and evolution of the Nashoba terrane of southeastern New England. Geological Association of Canada and Mineralogical Association of Canada Annual Meeting (May 21–23, 2014), Fredericton, New Brunswick, Canada.
43. **Buchanan, J.W.\*\*\***, **Kuiper, Y.D.**, Buchwaldt, R., 2014. Constraining the Timing of Deformation in the Nashoba Formation, eastern Massachusetts: A Structural, Petrological and Geochronological Study. GSA Abstracts with Programs, Vol. 46, No. 2, p. 122.
44. **Charnock, R.\*\***, **Kuiper, Y.D.**, Möller, A., Buchwaldt, R., Hepburn, J.C., 2014. A structural and U-Pb geochronology investigation of the Harvard Conglomerate, Vaughn Hill Formation, Vaughn Hill Conglomerate, and Ayer Granite: Implications for post-Acadian deformation in the Merrimack belt, eastern Massachusetts. GSA Abstracts with Programs, Vol. 46, No. 2, p. 119.
45. **Quigley, P.\*\***, **Gonchig, T.\*\***, **Kuiper, Y.D.**, 2014. The potential significance of northwest-trending structures in the Colorado Rocky Mountain Front Range and their relationship with and potential significance to the Colorado Mineral Belt. Association for Mineral Exploration British Columbia Roundup, Vancouver, BC.

46. Zaroni, D., Gosso, G., **Kuiper, Y.D.**, Spalla M.I., Williams, P.F., 2013. Evidence for contrasting tectonic trajectories in adjacent domains in the Shuswap complex, southeastern Canadian Cordillera. *Rendiconti Online, Società Geologica Italiana* 29, 198–201.
47. **Frieman, B.M.\*\*\*, Kuiper, Y.D.**, Monecke, T., Kelly, N.M., 2013. Preliminary structural analysis of Timiskaming basins along the Larder Lake-Cadillac deformation zone, Ontario and Quebec, Canada: A record of Archean deformation in the southern Abitibi greenstone belt. *GSA Abstracts with Programs*, Vol. 45, No. 7, p. 298.
48. **Palmer, J. \*\*, Kuiper, Y.D.**, 2013. Structural controls on Carlin-type mineralization in the Conrad zone of the Nadaleen trend, Rackla Gold Belt, Yukon Territory, Canada. *GSA Abstracts with Programs*, Vol. 45, No. 7, p. 298.
49. Zaroni, D., **Kuiper, Y.D.**, Williams, P.F., 2013. Insights into the exhumation history of the Shuswap complex at Joss Mountain, southeastern Canadian Cordillera. *GSA Abstracts with Programs*, Vol. 45, No. 7, p. 599.
50. **Kuiper, Y.D.**, Hepburn, J.C., **Kay, A.\*\***, **Loan, M.L.\*\***, **Sorota, K.J.\*\***, **Reynolds, E.C.\*\***, **Dabrowski, D.R.\*\***, Stroud, M.M., Markwort, R.J., 2013. Origin and evolution of the Nashoba and Merrimack terranes in southeastern New England: What have we learned in the past decade? *GSA Abstracts with Programs*, Vol. 45, No. 1, p. 64.
51. **Buchanan, J.W.\*\*\*, Kuiper, Y.D.**, 2013. Preliminary structural analysis of the Nashoba Formation, eastern Massachusetts. *GSA Abstracts with Programs*, Vol. 45, No. 1, p. 90.
52. **Dougherty, K.\***, **Kuiper, Y.D.**, 2013. Structures and kinematics of the Clinton-Newbury shear zone along the NW margin of the Nashoba terrane, eastern Massachusetts. *GSA Abstracts with Programs*, Vol. 45, No. 1, p. 91.
53. **Dabrowski, D.R.\*\***, Hepburn, J.C., **Kuiper, Y.D.**, Buchwaldt, R., 2013. Geochronologic constraints on the origin of the Andover Granite in the context of the tectonic history of the Nashoba terrane, Eastern Massachusetts. *GSA Abstracts with Programs*, Vol. 45, No. 1, p. 91.
54. **Palmer, J. \*\*, Kuiper, Y.D.**, 2013. Structural Geology of the Nadaleen Trend, Rackla Gold Belt, Yukon Territory, Canada. Association for Mineral Exploration British Columbia Roundup, Vancouver, BC.
55. Gundersen, M., Vollmer, F.W., Mainwaring, N., Burmeister, K.C., Walker, J.R., **Kuiper, Y.D.**, 2012. Kinematic Analysis of the Rosendale Thrust Fault, Northernmost Central Appalachian Fold-Thrust Belt, New York. *GSA Abstracts with Programs*, Vol. 44, No. 7, p. 240. **Austin A. Sartin Best Poster Award of the Sigma Gamma Epsilon National Honor Society.**
56. **Kuiper, Y.D.**, 2012. Fault plane earthquake focal mechanisms: a structural geologist's perspective. Structural Geology and Tectonics Forum 2<sup>nd</sup> biennial meeting (14-16 June), Williamstown, MA.
57. **Sorota, K.\*\***, Hepburn, J.C., **Kuiper, Y.D.**, 2012. Detrital study of the Merrimack terrane, MA and NH. *GSA Abstracts with Programs*, Vol. 44, No. 2, p. 70.

58. **Kuiper, Y.D.**, Buchwaldt, R., **Lillydahl-Schroeder, H.G.\*\***, **Castle, J.W.\*\***, 2011. Post-(?)Trans-Hudsonian folding in the Foxe Fold Belt, Melville Peninsula, Nunavut, Canada. GSA Abstracts with Programs, Vol. 43, No. 5, p. 491.
59. **Kuiper, Y.D.**, **Shields, C.D.\***, Tubrett, M.N., 2011. U-Pb detrital zircon age constraints on the age of deposition and provenance of the metasedimentary cover sequence of the Thor-Odin dome, British Columbia, Canada. GSA Abstracts with Programs, Vol. 43, No. 5, p. 101.
60. **Lillydahl-Schroeder, H.G.\*\***, **Kuiper, Y.D.**, Williams, M.L., Allaz, J., 2011. New petrological and in-situ electron microprobe monazite age constraints on the timing of the Foxe orogeny, Melville Peninsula, Nunavut, Canada. GSA Abstracts with Programs, Vol. 43, No. 5, p. 331.
61. **Sorota, K.\*\***, Hepburn, J.C., **Kuiper, Y.D.**, Tubrett, M.N., 2011. Age and origin of the Merrimack terrane, southeastern New England: a detrital zircon U-Pb geochronology study. GSA Abstracts with Programs, Vol. 43, No. 5, p. 42.
62. Sen, P., Marshak, S., Burmeister, K.C., Majerczyk, C., **Yakovlev, P.\***, **Kuiper, Y.D.**, 2011. The structure of transitions between culminations and depressions in the Leeds-Roberts Hill segment of the Hudson Valley Fold-Thrust belt, Eastern New York. GSA Abstracts with Programs, Vol. 43, No. 5, p. 629.
63. **Kuiper, Y.D.**, Lin, S., Jiang, D., 2011. Deformation partitioning and along-strike stretch in trans-pressional shear zones: an example from the Superior Boundary Zone, Manitoba, Canada. GSA Penrose Conference (June 27 – July 2, 2011), Cadaqués and Cap de Creus peninsula, Catalonia, Spain.
64. Hepburn, J.C., **Loan, M.L.\*\***, **Kay, A.\*\***, **Kuiper, Y.D.**, 2011. The Nashoba Terrane of SE New England: recent findings on its origin and evolution. Geological Association of Canada and Mineralogical Association of Canada Annual Meeting (May 25–27, 2011), Ottawa, Ontario, Canada.
65. **Lillydahl-Schroeder, H.G.\*\***, **Kuiper, Y.D.**, Williams, M.L., 2011. Monazite age constraints on the timing of metamorphism and deformation in the Foxe Fold Belt, Melville Peninsula, Nunavut; an electron microprobe study. Geological Association of Canada and Mineralogical Association of Canada Annual Meeting (May 25–27, 2011), Ottawa, Ontario, Canada.
66. **Kay, A.\*\***, Hepburn, J.C., **Kuiper, Y.D.**, 2011. Trace element and Sm-Nd isotopic geochemical characteristics of the Nashoba terrane, eastern Massachusetts. GSA Abstracts with Programs, Vol. 43, No. 1, p. 150.
67. **Loan, M.L.\*\***, Hepburn, J.C., **Kuiper, Y.D.**, 2011. Age constraints on the deposition and provenance of meta-sedimentary units of the Nashoba terrane. GSA Abstracts with Programs, Vol. 43, No. 1, p. 160.
68. **Lillydahl-Schroeder, H.G.\*\***, **Kuiper, Y.D.**, Williams, M.L., 2011. Electron microprobe monazite age constraints on the timing of metamorphism and deformation in the Foxe Fold Belt, Melville Peninsula, Nunavut, Canada. GSA Abstracts with Programs, Vol. 43, No. 1, p. 64. **GSA Northeastern Section Best Poster Award.**

69. Nadeau, L., Corrigan, D., Tremblay, T., Brouillette, P., Wodicka, N., Machado, G., Houlé, M., Erdmann, S., Laflamme, C., Richan, L., Rigg, J., Partin, C., Ganderton, N., **Kuiper, Y.**, 2010. The Melville Peninsula geology revisited: a contribution to the GEM program. 38<sup>th</sup> Annual Yellowknife Geoscience Forum (November 16–18), Yellowknife, Yukon, Canada.
70. **Kuiper, Y.D.**, Jiang, D., 2010. Kinematics of deformation constructed from deformed planar and linear elements: the method and its application. GSA Abstracts with Programs, Vol. 42, No. 5, p. 35.
71. **McPherren, E.D.\*\***, **Kuiper, Y.D.**, Beane, R.J., 2010. Effects of Dissolution-Precipitation Creep on the Crystallographic Preferred Orientation of quartz within the Purgatory Conglomerate, RI. GSA Abstracts with Programs, Vol. 42, No. 5, p. 635.
72. **Kuiper, Y.D.**, Lin, S., Böhm, C.O., 2010. Himalayan-style escape tectonics along the Superior Province margin in Manitoba, Canada. GSA Abstracts with Programs, Vol. 42, No. 1, p. 129.
73. **Castle, J.W.\*\***, **Lillydahl-Schroeder, H.G.\*\***, **Kuiper, Y.D.**, Corrigan, D., 2010. Structural Analysis of the Foxe Fold Belt, Melville Peninsula, Nunavut, Canada. GSA Abstracts with Programs, Vol. 42, No. 1, p. 83.
74. **Reynolds, E.\*\***, **Kuiper, Y.D.**, Hepburn, J.C., 2010. New <sup>40</sup>Ar/<sup>39</sup>Ar age constraints on the timing of metamorphism and deformation in the western Nashoba terrane, eastern Massachusetts. GSA Abstracts with Programs, Vol. 42, No. 1, p. 85.
75. **Yakovlev, P.\***, **Kuiper, Y.D.**, Marshak, S., Burmeister, K.C., Sen, P., 2010. Transitions in structural styles and trends within the northern Appalachian Hudson Valley fold-thrust belt near Catskill, New York. GSA Abstracts with Programs, Vol. 42, No. 1, p. 85.
76. **McPherren, E.D.\*\***, **Kuiper, Y.D.**, Beane, R.J., 2010. Preferred orientation of quartz within cobble strain shadows of the purgatory conglomerate, RI. GSA Northeastern Section – 45<sup>th</sup> Annual Meeting (March 14–16, 2010), Baltimore, MD, USA.
77. Corrigan, D., Nadeau, L., Brouillette, P., Tremblay, T., Boutin, M., Wodicka, N., Houlé, M., Spratt, J., Erdmann, S., Clark, D., Partin, C., Day, S., **Kuiper, Y.**, 2009. The GEM minerals program on Melville Peninsula: project summary and preliminary report. 37<sup>th</sup> Annual Yellowknife Geoscience Forum (November 17–19), Yellowknife, Yukon, Canada.
78. **Kuiper, Y.D.**, Lin, S., Jiang, D., 2009. Partitioning of triclinic deformation in a high-strain zone into monoclinic and orthorhombic domains: an example from the Superior Boundary Zone, Manitoba, Canada. GSA Abstracts with Programs, Vol. 41, No. 7, p. 568.
79. Sen, P., Burmeister, K.C., Marshak, S., **Yakovlev, P.V.\***, **Kuiper, Y.D.**, 2009. Along-strike variation of deformation intensity in the Hudson Valley fold-thrust belt between leeds and Cocksackie, New York. GSA Abstracts with Programs, Vol. 41, No. 7, p. 459.
80. **Kuiper, Y.D.**, Jiang, D., 2009. Three dimensional strain analysis using deformed veins. Eos Transactions, American Geophysical Union, 90(22), Joint Assembly Supplements, Abstract GA24A-05.

81. **Kuiper, Y.D.**, Lin, S., Jiang, D., 2009. Deformation partitioning in transpressional shear zones: an example from the Superior Boundary Zone, Manitoba, Canada. *Eos Transactions, American Geophysical Union*, 90(22), Joint Assembly Supplements, Abstract GA22A-07.
82. **Kuiper, Y.D.**, Jiang, D., 2009. Geometries of surfaces of no stretching, and of fields of shortening and extension in three-dimensional flow. *GSA Northeastern Section – 44<sup>th</sup> Annual Meeting (22-24 March 2009)*, Portland, Maine, USA. *GSA Abstracts with Programs*, Vol. 41, No. 3, p. 38.
83. **Yakovlev, P.\***, Sen, P., **Kuiper, Y.D.**, Marshak, S., 2009. Deformation Style of the Leeds-Coxsackie Segment of the Hudson Valley Fold-Thrust Belt. *GSA Northeastern Section – 44<sup>th</sup> Annual Meeting (March 22–24, 2009)*, Portland, Maine, USA. *GSA Abstracts with Programs*, Vol. 41, No. 3, p. 14.
84. **Kay, A.\*\***, Hepburn, J.C., **Kuiper, Y.D.**, Inglis, J., 2009. Nd isotopic constraints on the origin of the Nashoba Terrane, eastern Massachusetts. *GSA Northeastern Section – 44<sup>th</sup> Annual Meeting (March 22–24, 2009)*, Portland, Maine, USA. *GSA Abstracts with Programs*, Vol. 41, No. 3, p. 98.
85. **McPherrren, E.D.\*\***, **Strouse, S.R.\*\***, **Xie, Y.\*\***, **Cameron, C.E.\*\***, **Kuiper, Y.D.**, 2009. Vein emplacement and deformation in a transpressional setting in Cape Elizabeth, southern Maine. *GSA Northeastern Section – 44<sup>th</sup> Annual Meeting (March 22–24, 2009)*, Portland, Maine, USA. *GSA Abstracts with Programs*, Vol. 41, No. 3, p. 79.
86. **Kuiper, Y.D.**, 2008. The dry-erase cube: an educational tool in structural geology for making three-dimensional visualization easy. In: *Parmenter, A., Canadian Tectonics Group 28<sup>th</sup> Annual Meeting (October 17–19, 2008)*, Moncton, New Brunswick, Canada.
87. *Invited:* **Kuiper, Y.D.**, 2008. The dry-erase cube: teaching structural geology in three dimensions. *GSA Abstracts with Programs*, 161-4.
88. **Kuiper, Y.D.**, Lin, S., Böhm, C.O., 2008. Movement along shear zones of the northwestern Superior Boundary Zone, Manitoba, Canada. *GSA Abstracts with Programs*, 275-12.
89. Böhm, C.O., Zwanzig, H.V., **Kuiper, Y.D.**, 2008. Identification and analysis of ancient suture zones along the Superior craton margin, Manitoba. *Geological Association of Canada and Mineralogical Association of Canada Annual Meeting (May 26–28, 2008)*, Quebec, Quebec, Canada.
90. *Invited:* **Kuiper, Y.D.**, 2008. Indications for channel flow in the Omineca belt in southeastern British Columbia. *GSA Northeastern Section - 43<sup>rd</sup> Annual Meeting (March 27–29, 2008)*, Buffalo, New York, USA.
91. **Shields, C.D.\***, **Kuiper, Y.D.**, 2008. New detrital and metamorphic zircon ages from cover rocks of the Monashee Complex, southeastern Canadian Cordillera. *GSA Northeastern Section - 43<sup>rd</sup> Annual Meeting (March 27–29, 2008)*, Buffalo, New York, USA.
92. **Kuiper, Y.D.**, 2007. The dry-erase cube: an educational tool in structural geology for making three-dimensional visualization easy. *Eos Transactions, American Geophysical Union*, 88(52), Fall Meeting Supplements, Abstract ED31A-0090.

93. **Kuiper, Y.D.**, Jiang, D., Lin, S., 2006. The usefulness of non-cylindrical (sheath) folds in monoclinic and triclinic shear zones. GSA Abstracts with Programs, Vol. 38, No. 7, 19.
94. **Kuiper, Y.D.**, Jiang, D., Lin, S., 2005. Sheath folds in triclinic shear. In: Schwerdtner, W.M., Canadian Tectonics Group 25<sup>th</sup> Annual Meeting (October 28–30, 2005), Orillia, Ontario, Canada, 26.
95. **Kuiper, Y.D.**, Lin, S., Böhm, C.O., Corkery, M.T., 2004. Shear zones of the Superior Boundary Zone northeast of Thompson, Manitoba. In: Schwerdtner, W.M., Canadian Tectonics Group 25<sup>th</sup> Annual Meeting (October 28–30, 2005), Orillia, Ontario, Canada, 25.
96. **Kuiper, Y.D.**, Lin, S., 2005. Movement on the Assean Lake and Aiken River deformation zones of the Superior Boundary Zone, northern Manitoba; structural geology, geochronology and some regional implications. Geological Association of Canada and Mineralogical Association of Canada Annual Meeting (May 16–18, 2005), Halifax, Nova Scotia, Canada.
97. **Kuiper, Y.D.**, Lin, S., Böhm, C.O., Corkery, M.T., 2004. Kinematics of the Assean Lake and Aiken River deformation zones, Superior Boundary Zone, northern Manitoba. Manitoba Mining and Minerals Convention (November 18–20, 2004), Winnipeg, Manitoba, Canada.
98. **Kuiper, Y.D.**, Lin, S., 2004. Pure shear/simple shear partitioning along the Aiken River and Assean Lake deformation zones, Superior Boundary Zone, northern Manitoba. In: McNeill, P.D., Canadian Tectonics Group 24<sup>th</sup> Annual Meeting (October 22–24, 2004), Saint John, New Brunswick, Canada.
99. **Kuiper, Y.D.**, Lin, S., 2004. The Assean Lake and Aiken River deformation zones of the Superior Boundary Zone, northern Manitoba. Geological Association of Canada and Mineralogical Association of Canada Annual Meeting (May 12–14, 2004), St. Catharines, Ontario, Canada.
100. **Kuiper, Y.D.**, Lin, S., Böhm, C.O., Corkery, M.T., 2003. Structural geology of the Assean Lake and Aiken River deformation zones, northern Manitoba. Manitoba Mining and Minerals Convention (November 13–15, 2003), Winnipeg, Manitoba, Canada.
101. **Kuiper, Y.D.**, Lin, S., Böhm, C.O., Corkery, M.T., 2003. Preliminary structural geology of the Assean Lake and Aiken River deformation zones, Superior Boundary Zone, northern Manitoba. In: Lin, S., Canadian Tectonics Group 23<sup>rd</sup> Annual Meeting (October 24–26, 2003), Parry Sound, Ontario, Canada, 10.
102. **Kuiper, Y.D.**, 2003. Isotopic age constraints from electron microprobe U–Th–Pb dates, using a three-dimensional concordia diagram. Geological Association of Canada Mineralogical Association of Canada and Society of Economic Geologists Annual Meeting (May 25–29, 2003), Vancouver, British Columbia, Canada.

103. **Kuiper, Y.D.**, Williams, P.F., 2003. Constraining deformation and metamorphism in Thor–Odin dome of the Monashee Complex, southeastern British Columbia; how some events may be preserved in the U–Pb record and others may not. Geological Association of Canada and Mineralogical Association of Canada Annual Meeting (May 25–29, 2003), Vancouver, British Columbia, Canada.
104. **Kuiper, Y.D.**, 2003. U–Pb isotopic dating of multiple geological events; an example from the Monashee Complex, British Columbia. University of New Brunswick Graduate Student Association 11<sup>th</sup> Annual Conference on Student Research (February 14–15, 2003), University of New Brunswick, Fredericton, 11.
105. **Kuiper, Y.D.**, Williams, P.F., 2003. Proterozoic migmatization in a basement orthogneiss, and Late Cretaceous to Early Eocene monazite ages in cover rocks of Thor–Odin dome of the Monashee Complex, southeastern British Columbia; a SHRIMP and ID-TIMS study. Cordilleran Tectonics Workshop Meeting (February 7–9, 2003), Carleton University, Ottawa, 18.
106. **Kuiper, Y.D.**, 2002. When did deformation and peak of metamorphism take place in the Monashee Complex? In: Cook, F. and P. Erdmer (compilers), Slave–Northern Cordillera Lithospheric Evolution (SNORCLE) Transect and Cordilleran Tectonics Workshop Meeting (February 21–24, 2002), Pacific Geoscience Centre, Lithoprobe Report No. 82, 89–90.
107. **Kuiper, Y.D.**, Kruse, S. Williams, P.F., McNeill, P.D., 2002. Possibility of channel flow in the southern Canadian Cordillera; a new approach to explain existing data. In: Cook, F. and P. Erdmer (compilers), Slave–Northern Cordillera Lithospheric Evolution (SNORCLE) Transect and Cordilleran Tectonics Workshop Meeting (February 21–24, 2002), Pacific Geoscience Centre, Lithoprobe Report No. 82, 132–133.
108. **Kuiper, Y.D.**, Williams, P.F., Taylor, B.E., Carr, S.D., 2001. Timing of deformation in the Monashee Complex re-interpreted: new constraints from oxygen and hydrogen isotope studies. In: Lafrance, B., Canadian Tectonics Group 21<sup>st</sup> Annual Meeting (October 26–28, 2001), Sudbury, Ontario, Canada.
109. **Kuiper, Y.D.**, Taylor, B.E., Williams, P.F., Carr, S.D., 2001. Early Eocene extension-related fluids in the Monashee Complex, southeastern BC. In: Cook, F. and P. Erdmer (compilers), Slave–Northern Cordillera Lithospheric Evolution (SNORCLE) Transect and Cordilleran Tectonics Workshop Meeting (February 22–25, 2001), Pacific Geoscience Centre, Lithoprobe Report No. 79, 89–90.
110. **Kuiper, Y.D.**, Carr, S.D., Williams, P.F., 2000. Age constraints on penetrative structures at Joss Mountain, in the Selkirk Allochthon, southern Canadian Cordillera. In: Cook, F. and P. Erdmer (compilers), Slave–Northern Cordillera Lithospheric Evolution (SNORCLE) Transect and Cordilleran Tectonics Workshop Meeting (February 25–27, 2000), University of Calgary, Lithoprobe Report No. 72, 168.
111. **Kuiper, Y.D.**, Carr, S.D., Williams, P.F., 1999. Geochronological, petrological and microstructural studies on the Thor–Odin dome, Monashee Complex, southern Canadian Cordillera. In: Cook, F. and P. Erdmer (compilers), Slave–Northern Cordillera Lithospheric Evolution (SNORCLE) Transect and Cordilleran Tectonics Workshop Meeting (March 5–7, 1999), University of Calgary, Lithoprobe Report No. 69, 296.

112. **Kuiper, Y.D.**, Carr, S.D., Williams, P.F., 1998. Microstructural, petrological and geochronological studies on the Thor–Odin dome, Monashee Complex, southern Canadian Cordillera. In: Lin, S., Bleeker, W., Elliott, C., van Staal, C.R. (compilers), Geological Association of Canada NUNA conference and Canadian Tectonics Group 18<sup>th</sup> Annual Meeting (September 26–28, 1998), Canmore, Alberta, Canada.
113. **Kuiper, Y.D.**, 1998. Microstructural, petrological and geochronological studies on the Thor–Odin dome, Monashee Complex, southern Canadian Cordillera; proposed Ph.D. research. In: Cook, F. and P. Erdmer (compilers), Slave–Northern Cordillera Lithospheric Evolution (SNORCLE) Transect and Cordilleran Tectonics Workshop Meeting (March 6–8, 1998), Simon Fraser University, Lithoprobe Report No. 64, 272–273.

### Other Invited Talks

1. **Kuiper, Y.D.**, 2017. The beauty of the southeastern New England Appalachians: potential evidence for Paleozoic ductile extrusion, a Mendocino-style triple junction, and indenter tectonics. Yale University, New Haven, CT.
2. **Kuiper, Y.D.**, 2017. Women and foreigners in the geosciences in the US: challenges and opportunities. Colorado School of Mines, Golden, CO.
3. **Kuiper, Y.D.**, 2016. A model of subduction of a mid-Paleozoic oceanic ridge–transform fault system in the northern Appalachians: a comparison with modern western North America. University of Colorado, Boulder, CO.
4. **Kuiper, Y.D.**, 2016. Along-strike variations in the (northern) Appalachians: a model of mid-Paleozoic oceanic ridge subduction. Colorado School of Mines, Golden, CO.
5. **Kuiper, Y.D.**, 2016. Along-strike variations in the (northern) Appalachians: a model of mid-Paleozoic oceanic ridge subduction. Colorado State University, Fort Collins, CO.
6. **Kuiper, Y.D.**, 2015. Origin and evolution of the Nashoba terrane in eastern Massachusetts, and connections with the Norumbega fault zone in Maine: potential for a Late Devonian triple junction. University of Michigan, Ann Arbor.
7. **Kuiper, Y.D.**, 2013. Himalayan-type escape tectonics along the Superior Province margin in Manitoba, Canada. University of Wisconsin, Milwaukee.
8. **Kuiper, Y.D.**, 2011. Himalayan-type escape tectonics along the Superior Province margin in Manitoba, Canada. University of Illinois, Urbana-Champaign.
9. **Kuiper, Y.D.**, 2011. Himalayan-type escape tectonics along the Superior Province margin in Manitoba, Canada. Colorado School of Mines.
10. **Kuiper, Y.D.**, 2009. Shear zones of the Superior Boundary Zone northern Manitoba, Canada. Department of Earth Sciences, University of Maine, Orono.
11. **Kuiper, Y.D.**, 2009. Shear zones of the Superior Boundary Zone northern Manitoba, Canada. Department of Geology and Astronomy, West Chester University.
12. **Kuiper, Y.D.**, 2008. Ancient continents and past Himalayan-type mountain belts in central Canada. Junior Scholars in Conversation, Boston College.



13. **Kuiper, Y.D.**, 2008. Shear zones of the Superior Boundary Zone northeast of Thompson, Manitoba: a case of macroscopic brecciation? Department of Geology, Southern Illinois University.
14. **Kuiper, Y.D.**, 2008. Tales from rocks about the dance of the continents. Weston Observatory Colloquium Series.
15. **Kuiper, Y.D.**, 2005. Transect of the southern Canadian Cordillera – an Earth 490 field trip. Department of Earth Sciences, University of Waterloo.
16. **Kuiper, Y.D.**, 2005. Movement on the Assean Lake and Aiken River deformation zones of the Superior Boundary Zone, Canada; structural geology, geochronology and some regional implications. Department of Geology and Geophysics, Boston College.
17. **Kuiper, Y.D.**, 2005. Movement on the Assean Lake and Aiken River deformation zones of the Superior Boundary Zone, Canada; structural geology, geochronology and some regional implications. Department of Earth Sciences, University of Queensland.
18. **Kuiper, Y.D.**, 2003. Isotopic constraints on timing of deformation and metamorphism in Thor–Odin, Monashee Complex, southeastern British Columbia. Department of Earth Sciences, University of Waterloo.
19. **Kuiper, Y.D.**, 2002. SHRIMPing zircons and monazites. Department of Geology, University of New Brunswick.
20. Humby, P., **Kuiper, Y.D.**, 2002. Graduate students' financial status at UNB. University of New Brunswick Board of Governors finance committee
21. **Kuiper, Y.D.**, Humby, P., 2002. Graduate students' financial status at UNB. University of New Brunswick School of Graduate Studies executive committee.
22. **Kuiper, Y.D.**, 2002. Constraining the age of Cordilleran deformation and metamorphism, and subsequent extension, in the Monashee Complex, southeastern BC. Department of Geology, University of New Brunswick.
23. **Kuiper, Y.D.**, 1999. Life of a zircon; A tour through a geochronology lab. Institute of Earth Sciences, Utrecht University.
24. **Kuiper, Y.D.**, 1999. Life of a zircon; A tour through a geochronology lab. Department of Geology, University of New Brunswick.

### **Workshops Given**

1. **Leader of pre-workshop session** for the NAGT/NSF 'On the Cutting Edge' workshop on Preparing for an Academic Career in the Geosciences, at the Colorado University in Boulder, CO, July 7, 2013.
2. Tewksbury, B., **Kuiper, Y.D.**, Ryan, J., 2008. Teaching Petrology and Structural Geology in the 21<sup>st</sup> Century. GSA short course, part of the NAGT/NSF 'On the Cutting Edge' program, at the University of Houston, Houston, TX, October 4, 2008.

### **External Grants**

- **Kuiper, Y.D.**, “Nature of Proterozoic orogenic events in central Colorado: bedrock geological mapping of the southern half of the Mount Evans quadrangle”, USGS EdMap, May 15, 2017 to May 14, 2018, **\$17,363**
- Tikoff, B., **Kuiper Y.D.**, Goodwin, L., “Support for a workshop and related activities aimed at exploring and facilitating scientific frontiers, infrastructure, and educational needs in Tectonics and Structural Geology” National Science Foundation (Tectonics Program) Grant EAR-1542001 (to U Wisconsin) May 1, 2015 to April 30, 2018, **\$99,600**
- **Kuiper Y.D.**, Kluth, C.F. “Structural Geology and Tectonics Forum at the Colorado School of Mines, Golden, CO, June 16-18, 2014” National Science Foundation (Tectonics Program) Grant EAR-1439508, April 1, 2014 to March 31, 2015, **\$30,000**
- **Kuiper, Y.D.** “CAREER: Exhumation of a high-grade metamorphic terrane, and late-stage orogenic collapse in the southeastern New England Appalachians”, National Science Foundation (Education and Human Resources, Tectonics, and EarthScope-Science Utilization Programs) Grant EAR-1052458 (to BC July 1, 2011-August 31, 2011) and EAR-1216390 (to CSM September 1, 2011-May 31, 2017), **\$496,093**
- **Kuiper, Y.D.** “The kinematic significance of folds of the Paleoproterozoic Foxe Fold Belt, Melville Peninsula, Nunavut, Canada”, National Science Foundation (Tectonics Program) Grant EAR-0911609, July 1, 2009 to June 30, 2012, **\$215,025**
- **Kuiper, Y.D.** “Deformation mechanisms and history of the Purgatory Conglomerate, Rhode Island”, American Chemical Society Petroleum Research Fund, May 1, 2008 to August 31, 2010, **\$50,000**
- Additional financial and logistical support from the Geological Survey of Canada, Geological Survey of Greenland and Denmark, ATAC Resources Ltd. And Osisko Mining Inc. 2011-2017.

### **Current Graduate Advisees, Colorado School of Mines**

P.M.: Amanda Ayala

M.S.: Emilie Gentry, Asha Mahatma

Ph.D.: Wes Buchanan, Ben Frieman, Miguel Nassif, Allison Severson

Ph.D. co-advisees: Molly Baron, Wes Hall

### **Thesis Committee Member, Colorado School of Mines** (current or with graduation dates)

M.Sc.: Lee Alford, Wes Bucker (2016), Patricia Capistrant (2013), Lauren Cross (2016), Matt Fithian (2015), Anna Hissem (2016), Greg Hufford (2015), Umut Isikalp (2012), Jena Long (2014), Justin Lowe, Corey Meighan (2015), Olivia Oseguera (2014), Claire Pless (2014), Helen Thomas, Jacob Weigel (2014), Mitchell Weller (2015)

Ph.D.: Jessica Matthews (2013), Ezgi Karasözen (Geophysics), Lia Lajoie (Geophysics)

### **Thesis Committee Member, Colorado State University** (current or with graduation dates)

Ph.D.: Nikki Seymour

### **MS Thesis Committee Member, Boston College** (with graduation dates)

Margela Andrews (2008), Sara Dougherty (2008), Ross Markwort (2007), Matt Mayo (2006), Adam Pearson (2010), James Pyburn (2010), Justin Starr (2013), Misty Stroud (2007), Newton Tedder (2009), Yu Xie (2013)

**Students graduated while Assistant Professor at the Colorado School of Mines**

1. **He, T.X.**, 2017. Origin and evolution of the Rocky Pond Slice, an enigmatic tectonic block in eastern Massachusetts. **M.S. Thesis**, Colorado School of Mines, Golden, CO, USA, 138 pp. (advisor).
2. **Byrne, G.M.**, 2017. Geometries and Genesis of Breccias within the Halokinetic Kalukundi Diapir at the Mashitu Mine, Katanga, Democratic Republic of Congo. **M.S. Thesis**, Colorado School of Mines, Golden, CO, USA, 185 pp. (co-advisor).
3. **Allen, N.K.**, 2016. Structurally controlled Cu-Zn-(Co-Pb) mineralization in the Neoproterozoic Ombombo subgroup, Kaokaland, Namibia. **M.S. Thesis**, Colorado School of Mines, Golden, CO, USA, 157 pp. (co-advisor).
4. **Lytle, M.**, 2016. The Proterozoic history of the Idaho Springs-Ralston shear zone: Evidence for a widespread ca. 1.4 Ga orogenic event in central Colorado. **M.S. Thesis**, Colorado School of Mines, Golden, CO, USA, 89 pp. (advisor).
5. **Conaway, B.L.**, 2016. Origin and Structural Evolution of the Reubens Hill Complex in Eastern Massachusetts. **B.S. Thesis**, Colorado School of Mines, Golden, CO, USA, 57 pp. (advisor)
6. **Charnock, R.D.**, 2015. Origin and evolution of the southeastern Merrimack Belt, Massachusetts. **M.S. Thesis**, Colorado School of Mines, Golden, CO, USA, 107 pp. (advisor)
7. **Palmer, J.C.**, 2014. Structural geology and geochemistry of sedimentary rock-hosted gold in the eastern Nadaleen Trend, Yukon Territory, Canada. **M.S. Thesis**, Colorado School of Mines, Golden, CO, USA, 102 pp. (advisor)
8. **Dabrowski, D.R.**, 2014. Implications of Silurian granite genesis to the tectonic history of the Nashoba terrane, Eastern Massachusetts. **M.S. Thesis**, Boston College, Chestnut Hill, MA, USA, 121 pp. (co-advisor)
9. **Lillydahl-Schroeder, H.G.**, 2013. New petrological and in-situ electron microprobe monazite age constraints on the timing of the Foxe orogeny, Melville Peninsula, Nunavut, Canada. **M.S. Thesis**, Boston College, Chestnut Hill, MA, USA, 224 pp. (advisor)
10. **Sorota, K.J.**, 2013. Age and origin of the Merrimack terrane, southeastern New England: a detrital zircon U-Pb geochronology study. **M.S. Thesis**, Boston College, Chestnut Hill, MA, USA, 217 pp. (co-advisor)
11. **Kay, A.M.**, 2012. Sm-Nd Isotope, Major Element, and Trace Element Geochemistry of the Nashoba Terrane, Eastern Massachusetts. **M.S. Thesis**, Boston College, Chestnut Hill, MA, USA, 143 pp. (co-advisor)
12. **Reynolds, E.C.**, 2012. New  $^{40}\text{Ar}/^{39}\text{Ar}$  age constraints on the timing of metamorphism and deformation in the western Nashoba terrane, eastern Massachusetts. **M.S. Thesis**, Boston College, Chestnut Hill, MA, USA, 131 pp. (advisor)
13. **Loan, M.L.**, 2011. New Constraints on the Age and Deposition of the Metasedimentary Rocks in the Nashoba terrane, SE New England. **M.S. Thesis**, Boston College, Chestnut Hill, MA, USA, 125 pp. (co-advisor)

### **Students graduated while Assistant Professor at Boston College**

1. **McPherrren, E.D.**, 2010. Effects of Dissolution-Precipitation Creep on the Crystallographic Preferred Orientation of Quartz Within the Purgatory Conglomerate, RI. **M.S. Thesis**, Boston College, Chestnut Hill, MA, USA, 97 pp. (advisor)
2. **Yakovlev, P.V.**, 2010. Transitions in structural styles and trends within the northern Appalachian Hudson Valley fold-thrust belt near Catskill, NY. **B.S. Thesis**, Boston College, Chestnut Hill, MA, USA, 50 pp. (advisor)
3. **Rink Jørgensen, M.J.**, 2009. Nature and timing of development of large-scale fold structures, Kapisillit area, southern West Greenland. **M.Sc. Thesis**, University of Copenhagen, Copenhagen, Denmark, 112 pp. (advisor)
4. **Shields, C.D.**, 2008. New detrital and metamorphic zircon ages from cover rocks of the Monashee Complex, southeastern Canadian Cordillera. **B.S. Thesis**, Boston College, Chestnut Hill, MA, USA, 65 pp. (advisor)

### **Students graduated while Postdoc at University of Waterloo**

1. **Smyth, A.K.**, 2006. Radiogenic argon diffusion modeling in biotite from the northwestern Superior Province, Manitoba. **B.Sc. Thesis**, University of Waterloo, Waterloo, Ontario, Canada, 44 pp. (co-advisor)

### **Courses taught**

#### Colorado School of Mines (2012-present):

GEOL309 (4CR): Structural Geology and Tectonics, with lab (Fall 2012)  
GEOL311 (2CR): Structural Geology for Mining Engineers, with lab (Spring 2012, 2013, 2014, 2015, 2016, 2017)  
GEGN316 (1CR of a 6CR course): Field Camp (co-taught, Summer 2013)  
GEOL505 (3CR): Advanced/Applied Structural Geology, with lab (Spring 2012, Fall 2012, 2013, 2014, 2015, 2016)  
GEOL540 (3CR): Isotope Geochemistry and Geochronology (co-taught, Spring 2015)  
GEOL555 (4CR): Structural Geology Field Course (Fall 2013, 2015)  
GEOL598/597 (3CR): Geological Field Research (Summer 2012, cross-listed as GE515 at BC; Summer 2014, with additional BC and CC students)  
GEOL598/597 (3CR): Appalachian Field Research (Summer 2016)  
GEOLX99 (3 to 6 CR): Independent studies, one to three students per year

#### Boston College (2006-2011):

GE110 (3CR): Geology of National Parks (taught twice)  
GE132/133 (4CR): Exploring the Earth, with lab (team-taught once)  
GE134/135 (4CR): Exploring the Earth II, with lab (team-taught annually, alone in 2009)  
GE285/286 (4CR): Introduction to Structural Geology, with lab (taught biennially)  
GE288 (4CR): Geological Field Mapping and Methods, weekly meetings and two week field camp in New England Appalachians (taught biennially)  
GE485/486 (4CR): Advanced Structural Geology, with lab (taught biennially)  
GE512/513 (4CR): Isotope Applications in Earth Science, with lab (team-taught once)  
GE515 (3CR): Geological Field Research (in 2012, cross-listed as GEOL598/597 at CSM)  
GE692 (3CR): Earth Systems Seminar (team-taught once)

GE597/799 (3 or 4 CR): Undergraduate and Graduate ‘Readings and Research’ on various topics (on average one or two students per year)

Southern Illinois University (2008):

GEOL 454 (6CR): Geology Field Course (team-taught last three weeks in Montana, Wyoming and Idaho)

University of Waterloo (2005):

EARTH 238: Introductory Structural Geology, with lab

EARTH 490: Field Course (two weeks in the Canadian Cordillera)

### **Leadership positions**

2015–present **Geological Society of America CSM Campus Representative**

2015–2017 **Editorial Board Member of the journal ‘Geology’**

2014–2018 **Steering Committee**, Structural Geology and Tectonics Forum

2014–2016 **Co-organizer, ‘Future Directions in Tectonics’ White Paper** initiative

2013–2015 **Re-elected Secretary/Treasurer of the Geological Society of America Structural Geology and Tectonics Division**

2014 **Organizer, Structural Geology and Tectonics Forum**, June 2014, Colorado School of Mines, Golden CO

2012 **Invited participant of NSF EarthCube Early Career Strategic Visioning Workshop**

2012 **Invited Technical session co-organizer**, Structural Geology and Tectonics Forum, June 14-16, 2012, Williams College, Williamstown, MA

2011–2013 **Elected Secretary/Treasurer of the Geological Society of America Structural Geology and Tectonics Division**

2010 **Invited one-time member of National Science Foundation ‘Tectonics’ Panel**

2009–2011 **Elected Member-At-Large of the Geological Society of America Northeastern Section** management board

### **External Service**

2017 **Session chair**, Kuiper, Y.D., Williams, M.L., Buchanan, J.W., NETectonics: New Advances in Structural Geology and Tectonics in the Appalachians’, Geological Society of America, Northeastern/North-Central Section Meeting.

2017 **Session co-chair**, Hepburn, J.C., Dietsch, C., Barr, S.M., Kuiper, Y.D., ‘NETectonics: New advances in petrology, geochemistry and geochronology in the Appalachians’, Geological Society of America, Northeastern/North-Central Section Meeting.

2016 **Session chair**, Kuiper, Y.D., Whitmeyer, S.J., Bailey, C.M., Gibson, H.D., Caine, J.S., ‘Along-Strike Variations in Mountain Belts: Why Are They Important and What Causes Them?’, Geological Society of America, Annual Meeting

2016 **Invited Session co-chair**, Waldron, J.W.F., Kuiper, Y.D., Regional Tectonics II, Structural Geology and Tectonics Forum, August 1-3, Sonoma State University, Rohnert Park, CA

2015 **Symposium co-convener**, Roeske, S., Crespi, J., Evans, J., Kuiper, Y.D., ‘Structural Geology and Tectonics Division 35th Anniversary Symposium’, Geological Society of America, Annual Meeting

- 2015 **Invited participant** of Structural Geology Database Workshop, Madison WI, March 14-15, 2015
- 2013 **Session chair**, Kuiper, Y.D., Lin, S., ‘New developments in structural and tectonic controls on ore deposits’, Geological Society of America, Annual Meeting
- 2013 **Symposium convener**, Kuiper, Y.D., Rankin, D.W., Karabinos, P.M., ‘‘The Northern Appalachians: what have we learned in the past 40 years? A symposium in honor of J. Christopher Hepburn’’ and subsequent reception, Geological Society of America, Northeastern Section Meeting
- 2012 **Session chair**, Kuiper, Y.D., Giorgis, S.D., ‘High-Strain zone kinematics, from the microscopic to the macroscopic scale’, Geological Society of America, Northeastern Section Meeting
- 2012 Geological Society of America Northeastern Section Best **Poster Award Judge**
- 2011–present **Colorado Geological Survey Geologic Mapping Advisory Committee** member
- 2011 Geological Society of America Northeastern Section Best **Poster Award Judge**
- 2010 **Session chair**, Kuiper, Y.D., Hatcher R.D., ‘Recent Advances in Structural Geology’, Geological Society of America, Annual Meeting
- 2010 **Session co-chair**, Barnes, J.B., Bendick, R., Flowers, R., Hetland, E., Kuiper, Y.D., ‘Tortoise to Hare Tectonics: Steady and Transient Deformation’, Geological Society of America, Annual Meeting
- 2010 Geological Society of America Northeastern Section Best **Poster Award Judge**
- 2009 **Session chair**, Kuiper, Y.D., Hatcher, R.D., Wojtal, S.F., ‘Structural Geology: Advances in Understanding Deformational Processes, Ancient and Modern’, Geological Society of America, Annual Meeting
- 2009 **Session co-chair**, Lin, S., Lafrance, B., Jiang, D., Kuiper, Y.D., Waldron, J.W., Simony, P.S., ‘From microstructures to tectonics: multiple scales of deformation in the lithosphere’, American Geophysical Union, Joint Assembly, May 2009

### **Colorado School of Mines Service**

- 2017–present Member of the Department of Geology and Geological Engineering (GE) **Leadership Council**
- 2017–present **Mentor** for the Society of **Women in Geophysics**
- 2016–present Member of the GE **Graduate Admissions and Support Committee**
- 2016–present Member of the CSM **Research Council**
- 2016–present **Leader** of the GE **Research and Education Infrastructure Team**
- 2014–present **Advisor**, student **Hiking and Mountaineering Club**
- 2015–2016 Member of the GE **SEM Steering Committee**
- 2014–2016 **Chair** of the GE **Space and Instrumentation Committee**
- 2013–2016 Member of the GE **Recognition Committee**
- 2013–2016 Member of the CSM **Undergraduate Council**
- 2016 Member of the GE **Search Committee for Open Rank Faculty Position** in Metamorphic Petrology
- 2016 Member of the GE **Search Committee for Thin Section Lab Coordinator**
- 2014–2015 **Initiator and Co-Chair** of CSM Senate Subcommittee on **Teaching Effectiveness Evaluation**
- 2014–2015 Member of the GE **Graduate Admissions Committee**

- 2014 Member of the Colorado Geological Survey **Search Committee for Minerals and Mineral Fuels Geologist**
- 2014 Member of the GE **Search Committee for non-tenure track Full Professor Position** in Hydrology
- 2013 Member of the GE **Job Description for Administrative Assistant II Position**
- 2013 Chair of the GE **Space Committee**
- 2011–2012 Member of the GE **Search Committee for Teaching Assistant Professor Position** in Economic Geology
- 2011–2012 Member of the GE **Search Committee for Assistant Professor Position** in Aqueous Geochemistry

### **Boston College Service**

- 2010–2011 Member of the BC **University Research Council**
- 2010, 2011 BC **Research Incentive Grant Review Committee**
- Fall 2010 BC Department of Earth and Environmental Sciences **Library Liaison**
- Fall 2010 Organizer of departmental **Faculty Colloquium**
- 2009–2011 **Advisor of the BC Geo-Club**
- 2008–2009 Member of the BC Department of Geology and Geophysics **Search Committee for Assistant Professor Position** in Sedimentary Processes
- 2006–2011 Dean-sponsored **student-faculty dinners** at my home for nearly all my BC undergraduate courses
- 2006–2011 Member of the BC Department of Geology and Geophysics **Library Committee**
- 2006–2011 Member of the BC Department of Geology and Geophysics **Graduate Committee**
- 2006–2007 Wrote **PhD program proposal** for the BC Department of Geology and Geophysics with Dr. Gail Kineke

### **Student/Postdoc Service**

- 2003–2006 Organiser of **Friday lunch-time seminar** for members of the Department of Earth Sciences at the University of Waterloo
- 2002–2003 Member of UNB Graduate Student Association **Graduate Student Fee Committee** (prepared petition for grandfathering of tuition fees, or increase of salaries)
- Spring 2002 Member of UNB **Search Committee for Chair** of the Geology Department
- 2001–2002 Member and Vice-president Public Relations of UNB **Toastmasters** (received Competent Toastmaster and Competent Leader awards and earned President's Distinguished Club recognition)
- 2001–2002 President of UNB **Geological Association of Graduate Students (GAGS)**
- 2001–2002 UNB **Graduate Student Association council member**
- 1999–2002 As a member of GAGS I wrote together with others **proposals for field trips**, which led to \$1000–1500 funding per year.
- 1996–1997 **Treasurer** of the Utrecht University **Female Geologist Association**, Saxifraga
- 1995–1996 **Member** of 'Iustrum' committee for celebration of **50 years Utrecht Geologist Association**, UGV (organised a symposium, including sponsorship, and other activities)

**Peer Reviewer**

Journal articles: American Journal of Science, American Mineralogist, Canadian Journal of Earth Sciences, Computers & Geosciences, Earth-Science Reviews, Economic Geology, Geology, Journal of Structural Geology, Journal of the Geological Society, London, Lithosphere, Precambrian Research, Tectonics, Tectonophysics

Book chapter: Earth's oldest rocks

Grant proposals: National Science Foundation, National Geographic Society, National Science and Engineering Research Council of Canada, Portuguese Foundation for Science and Technology

**Professional Memberships**

American Geophysical Union, Association for Women Geoscientists, Canadian Tectonics Group, Colorado Scientific Society, Geological Association of Canada, Geological Society of America, National Association of Geoscience Teachers, Society of Economic Geologists