

## “SHAKE, BAKE, AND BOIL: MAGMA AND FLUID SYSTEMS AND THE SUBDUCTION FACTORY”



Magma enthusiasts congregated in Snee Hall during Cornell’s fall break, October 11, 2016, for the tenth Kaufman Symposium of the Institute for the Study of Continents (INSTOC). The one-day workshop was entitled “Shake, Bake, and Boil: Magma, fluid systems, and the subduction factory” with nine speakers, 12 posters, and about 60 attendees from Cornell and other universities and research institutions. A special thanks to Professor Anne Meltzer of Lehigh University who brought her graduate seminar on tectonic processes to the symposium. The twelve people who made the three-hour long morning trip from Bethlehem, Pennsylvania were active and engaged participants in the program.

The keynote address was given by the Jack Oliver Visiting Professor, Brad Hacker of the University of California, Santa Barbara. Hacker spent the entire week at Cornell. Two of the invited speakers were Cornell alumni—Brenhin Keller ’10 and Diana Roman ’97. Keller, who just completed his Ph.D. at Princeton University, will be starting a post-doctoral position at the University of California, Berkeley. Roman is a Staff Scientist at the Carnegie Institution for Science. Other invited speakers included Pascal Audet, Associate Professor at the University of Ottawa, and Katie Kelley, Associate Professor from the University of Rhode Island. Cornell faculty who gave presentations were Professor Geoff Abers about Mount Saint Helens, Assistant Professor Katie Keranen about Laguna del Maule volcano in Chile, Professor Larry Cathles about how “gas venting could initiate intrusion,” and Associate Professor Matt Pritchard about “zombie volcanoes” in the Central Andes.

After the talks were completed, Wold Professor John Thompson identified the themes of the symposium and moderated a discussion about the outstanding questions and how they could be addressed. And of course, Professor Emeritus Muawia Barazangi kept all of the talks on time with help from session chairs Associate Professor Rowena Lohman and Professor Bill White.

This year marks a transition for INSTOC, which was founded in the early 1980s by Jack Oliver, Sid Kaufman and others to improve scientific understanding of the structure, composition, and evolution of continents and “to provide a basis for wide and beneficial use of the earth by mankind.” College of Engineering Dean Lance Collins appointed Associate Professor Matt Pritchard as the new Director of INSTOC on July 1, 2016, following six successful years by Professor Larry Cathles as Director. In the near future, INSTOC members will be discussing nominees for the future Jack Oliver Visiting Professor, the themes for future workshops, and fundraising to continue these activities.



**Brad Hacker**  
Jack E. Oliver Visiting Professor