**Dating Tectonic Events using Monazite/Xenotime** (Workshop)

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This workshop will focus on the use of accessory phases monazite and xenotime to constrain the age and timing of tectonic events. The first part of the workshop will focus on new techniques for electron microprobe mapping, image analysis, and dating of monazite, and especially the integration of monazite into textural and microstructural analysis. The necessity for, and use of, alternative analytical instruments and approaches will also be discussed. The second part of the workshop will involve case studies and examples, new software, current challenges, and future potential. Participants are encouraged to bring their own examples for presentation and discussion.