



# **"New geochemical approaches to sedimentary provenance: A tale told in three acts"**

**Presented by Professor Scott Samson  
Department of Geology, Syracuse University**

**October 15<sup>th</sup>, 2009  
Sophistications Café, Syracuse, NY**

Although traditional approaches to constraining sedimentary provenance have served the geological community for many decades, new geochemical methods have been developed that hold great promise for more robust models of determining sedimentary source regions. These methods include trace element composition of fine-grained clastic sedimentary rocks, radiogenic isotopic composition of rocks, and U-Pb ages of individual detrital zircon crystals. Progress and pitfalls of these methods, and promising even newer techniques, will be discussed.

**Scott Samson** is a Professor of Earth Sciences at Syracuse University. He received a BS in geology at Oregon State University, a MS in geology at the University of Minnesota, and a PhD in Geochemistry at the University of Arizona. His specialty is in radiogenic isotope geochemistry and U-Pb geochronology. His research has been supported by the National Science Foundation, the National Geographic Society, and the U.S. Geological Survey. He joined the Faculty at Syracuse in 1990.

**MEETING LOGISTICS:** The meeting will take place on **Thursday, October 15<sup>th</sup>** at **Sophistications Cafe**, located at 441 S. Salina St (Inside the Galleries of Syracuse) in Syracuse, New York. Free parking is available in the Galleries Parking Garage located immediately adjacent to the Syracuse Galleries. A social hour with light refreshments and a cash bar will be held from 5:30 p.m. to 6:00 p.m. and will be followed by the main presentation by Dr. Sampson at 6:00 p.m.

The cost of the social hour is \$20 for members, \$22 for non-members and \$15 for student members. CNYAPG will sponsor the cost for dinner for the first five students who register for this meeting. People may also attend the presentation only for a nominal fee of \$3. **Please RSVP by Monday, October 12, 2009**, to Annette at Parratt-Wolff via e-mail at [info@pwinc.com](mailto:info@pwinc.com) or (315) 437-1429.

