**The strain analysis workshop** will cover the practical use of several current, freely-available software programs for finite strain studies. The programs include the integrated software package EllipseFit by Vollmer, and a suite of Mathematica-based programs by Mookerjee. A free copy of EllipseFit, all Mathematica–based programs, and a trial copy of Mathematica will be provided. Topics will include: collection of oriented samples; Fry-type and Wellman-type analyses; center-point, line, elliptical, and irregular particle digitizing; methods for 2D section ellipse calculation; ellipse data contouring and examination for pre-strain fabrics; polar, Rf-phi graphs, and hyperboloidal projections; unstraining data; use of 3D lineation data; calculation of the strain ellipsoid from multiple section ellipses; statistical analyses, and representing three-dimensional strain data and error regions. The workshop will include topics suitable for levels from undergraduate structural geology laboratories to advanced kinematic-based research projects. Attendees will need to bring a laptop (Windows, Mac, or Linux).