Earthscope Institute: Geochronology and the Earth Sciences
GSA Short Course 527

Day 1 – Friday, October 17th, 2014

8:00 – 8:15 AM  Coffee

8:15 – 8:45 AM  Introductory Remarks and Overview of Award Program
    **Speakers:** Becky Flowers and Jim Metcalf (CU)

8:45 – 9:45 AM  Introduction to Geochronology – Overview
    **Speaker:** Sam Bowring (MIT)

9:45 – 10:15 AM  Motivations and Applications Talk #1
    **Speaker:** Mike Williams (UMass)

10:15 – 10:45 AM  Coffee Break

10:45 – 11:30 AM  Sm-Nd and Lu-Hf Geochronology
    **Speaker:** Ethan Baxter (BU)

11:30 – 12:15 PM  U-Pb Geochronology 1: Fundamentals of High Precision Dating
    **Speaker:** Blair Schoene (Princeton)

12:15 – 1:15 PM  Lunch

1:15 – 2:00 PM  U-Pb Geochronology 2: High Resolution Dating
    **Speaker:** Mark Harrison (UCLA)

2:00 – 2:30 PM  Motivations and Applications Talk #2
    **Speaker:** John Cottle (UCSB)

2:30 – 3:00 PM  Coffee Break

3:00 – 3:45 PM  $^{40}$Ar/$^{39}$Ar Geochronology
    **Speaker:** Kip Hodges (ASU)

3:45 – 4:15 PM  Motivations and Applications Talk #3
    **Speaker:** Laura Webb (UVM)

4:15 – 5:00 PM  Opportunity for Discussion and Interaction Between Speakers and Participants
Day 2 – Saturday, October 18th, 2014

8:00 – 8:30 AM Coffee

8:30 – 9:00 AM Motivations and Applications Talk #4
Speaker: Ramon Arrowsmith (ASU)

9:00 – 9:45 AM (U-Th)/He Geochronology
Speaker: James Metcalf (CU)

9:45 – 10:15 AM Coffee Break

10:15 – 11:00 AM Fission-Track Geochronology
Speaker: John Garver (Union College)

11:00 – 11:45 AM U-series Geochronology
Speaker: Kari Cooper (UC Davis)

11:45 – 12:45 PM Lunch

12:45 – 1:15 PM Motivations and Applications Talk #5
Speaker: Becky Flowers (CU)

1:15 – 2:00 PM Luminescence Geochronology
Speaker: Tammy Rittenour (USU)

2:00 – 2:45 PM Cosmogenic Nuclide Geochronology
Speaker: Greg Balco (UC-Berkeley)

2:45 – 3:15 PM Coffee Break

3:15 – 4:00 PM 14C Geochronology
Speaker: Katherine Sharer (USGS)

4:00 – 4:30 PM Motivations and Applications Talk #6
Speaker: Jane Willenbring (U Penn)

4:30 – 5:00 PM Opportunity for Discussion and Interaction Between Speakers and Participants