

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

Day 1 – Friday, October 17th, 2014

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| 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

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| 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 | ¹⁴ C 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 |