

## **Agenda: 5<sup>th</sup> New World Luminescence Dating and Dosimetry Workshop**

### **Saturday October, 13<sup>th</sup>; Room 613, Student Center East, 750 Halsted St.**

9:00-9:45 Registration, coffee and continental breakfast

9:45-10:00 Welcome and logistics

#### Morning Session: Chair: Tammy Rittenour

10:00-10:30 James Feathers: Single-grain dating at Chavín de Huántar, Peru

10:30-11:00 Emmanuelle Vieilleveigne and Michel Lamothe: A comparison of quartz and feldspars optically stimulated luminescence ages from a Woodland prehistoric hearth in southern Quebec

11:00-11:30 Shannon A. Mahan, Jeff Honke and Marith C. Reheis: Late quaternary history of Lake Manix- environmental reconstruction using luminescence dating on selected core intervals

11:30-12:00 Jeroen W. Thompson: Optimizing the regeneration dose sequence: Monte Carlo simulations

12:00-1:30 Lunch (box lunch provided)

#### Afternoon Session: Chair James Feathers

1:30-2:20 **KEY NOTE SPEAKER, Michel Lamothe:** The development of anomalous fading corrections in IRSL dating of feldspars

2:20-2:50 M. Barré, M. Lamothe, Z. Jacobs , R. Roberts and F. D'Errico: The contribution of feldspar luminescence to optical dating of sediments of geological and archaeological significance in South Africa

2:50-3:20 Break

3:20-3:50 Joseph Schuldenrein: Innovative Uses of OSL Dating for Interpreting Suspected Prehistoric Quarries: A Case Study in the Glaciated Terrain of Northeast Pennsylvania, USA

3:50-4:20 Gloria I. López and W. Jack Rink: Optical Ages and Supra-Tidal Late Holocene Evolution of the Apalachicola Barrier Island Complex, NE Gulf of Mexico

4:20- 4:50 Tammy Rittenour, J. Pederson and G. O'Brien: OSL Ages from Archaeological Sites and the Holocene Alluvial Stratigraphy of the Grand Canyon, southwestern USA

**6:30-10:00 Workshop banquet at Greek Islands restaurant at 200 S. Halsted St.**

**Agenda: 5<sup>th</sup> New World Luminescence Dating and Dosimetry Workshop**

**Sunday October, 14<sup>th</sup>; Room 613, Student Center East, 750 Halsted St.**

9:30-9:45 Welcome and logistics

Morning Session: Chair Shannon Mahan

9:45-10:15 James Pierson, Steven L. Forman and Jeaneth Gomez: Modeling Secondary Dose-Related Effects Observed in Luminescence Growth Curves

9:15- 10:45 Steven L. Forman, Jeaneth Gomez and James Pierson: Optical dating of dune migration at Cape Cod National Seashore, MA USA

10:45-11:15 Jeaneth Gomez, David Noe and Steven L. Forman: Luminescence chronology for Late Quaternary and Holocene record of eolian deposition from a “mega-trench” across the Anton Scarp, eastern Colorado, USA

11:15-11:45 John R. Wood, Steven L. Forman and David Everton: The extent and timing of a pre-Late Wisconsinan ice margin in central Indiana: A new view from optical ages on glacial-lacustrine sediments from Porter Cave

11:45-1:30 Lunch (outside)

1:30-4:00 possible Chicago architectural tour on the Chicago River