

IBDP Mount Simon Core Workshop

Tuesday, April 23, 2019, 11:00 AM – 3:00 PM at ISGS Geological Samples Library

Please join us for a workshop on the geology of the Mount Simon Sandstone. This workshop will be part classroom and part core viewing. It will explore the complex depositional and diagenetic history revealed by IBDP geological characterization work. We will review fluvial, eolian, and marine depositional environments and associated diagenetic heterogeneities; the regional context of Mount Simon deposition; the newly discovered Argenta sandstone underlying the Mount Simon; and the relationship between the Mount Simon and the Precambrian geology of Illinois. A catered lunch is included, and a workshop book will be provided.

AGENDA

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| 11:00–11:05 | Welcome – Sallie Greenberg |
| 11:05–11:15 | Introduction – Jared Freiburg, Charles Monson, Franck Delpomdor |
| 11:15–12:15 | Working Lunch (Catered) |
| 11:15–11:25 | Geological Setting at the Illinois Basin Decatur Project (IBDP) and Illinois Carbon Capture and Storage (ICCS) Site Charles Monson |
| 11:25–11:55 | Precambrian Basement in Central Illinois – Jared Freiburg |
| 11:55–12:05 | The Argenta–Charles Monson |
| 12:05–12:15 | Mt. Simon Sandstone Reservoir (Overview) – Charles Monson |
| 12:15–12:30 | Q & A – Break |
| 12:30–12:50 | Mt. Simon Sandstone (Deposition) – Franck Delpomdor, Jared Freiburg, Charles Monson |
| 12:50–1:20 | Mt. Simon Sandstone (Petrography and Diagenesis) – Jared Freiburg |
| 1:20–1:25 | Sealing Formations – Jared Freiburg |
| 1:25–1:45 | Q & A – Break |
| 1:45–3:00 | Core viewing |
| 3:00 | End; buses available for return to I-Hotel |