Sinkhole Conference Detailed Schedule

Monday October 5		
7:30 AM	5:00 PM	**Field Trip - Karst Hydrology of the Northern Fox Creek Upland; East Central New York State, USA. Trip Leaders: Paul Rubin, George Shaw, Robert (departs from Albany Capital Center)**
Tuesday October 6		
		Short Courses
8:00 AM	12:00 PM	**Short Course 1:** Contaminant Hydrogeology of Karst, Instructors: Keith White **(Room: MR 1)**
8:00 AM	12:00 PM	**Short Course 2**: Karst Database Development: Techniques for Managing Large Volume Karst Data Sets, Instructors: Dave Decker, Dan Doctor **(Room: MR 2)**
12:00 PM	2:00 PM	**Lunch (2 Hours)**
2:00 PM	6:00 PM	**Short Course 3:** When Sinkholes Become Legal Pitfalls: "Sinkhole Law" and How to be an Indispendable Expert Witness, Instructors: Peter Keays, Steve Miano, Ira Sasowsky **(Room: MR 1)**
2:00 PM	6:00 PM	**Short Course 4:** Modern Techniques in Sinkhole Data Collection, Instructors: Michael Jones, Joshua Valentino **(Room: MR 2)**
6:00 PM	8:00 PM	**Welcome Reception**
Wednesday October 7		
8:00 AM	9:00 AM	Coffee and Registration
9:00 AM	9:20 AM	Welcome and Introductions
9:20 AM	10:20 AM	**Keynote:** Thomas Reimann, PhD - Advancing Discrete–Continuum Modeling of Flow and Transport in Karst Systems Across Scales
10:20 AM	10:40 AM	**Break (20 minutes)**
		Hydrology
10:40 AM	11:00 AM	Urvi Tulsiani, Jason M. Tillotson, Allison Nelan, Keith A. White - Remediating Groundwater in a Karst Terrane – Encouraging Results and Lessons Learned
11:00 AM	11:20 AM	Matthew Kaspar, Benjamin Tobin, Margaret Furtner - A Simple Approach to Assessing Groundwater Discharge Behavior at Government Spring, Central New Mexico
11:20 AM	11:40 AM	Lee Anne Bledsoe, Chris Groves, Nick Lawhon - Ongoing Dye Tracing Prompts Major Reevaluation of Groundwater Divides for The Lost River Karst System, Bowling Green, KY, USA
11:40 AM	12:00 PM	Brian A. Smith - Stratigraphic Controls on Recharge to the Confined Aquifer of the North Coast Karst Belt of Puerto Rico
12:00 PM	2:00 PM	**Lunch (2 Hours)**
		Northeast Karst
2:00 PM	2:20 PM	Daniel H. Doctor, Joshua R. Benton, Martin A. Briggs, William E. Odom, Neil C. Terry - Springs of The Catskill Mountains: A Conduit Flow System in Predominantly Siliciclastic Strata
2:20 PM	2:40 PM	Ira D. Sasowsky - Karst at a Potential Construction Site Adjacent to the Delaware River Near the Glacial Terminus, New Jersey, USA
2:40 PM	3:00 PM	Mia Painter, Stephen Welsh - Karst Sinkholes and Civil Engineering: Overview of Characterization and Treatment Options from a Geophysical and Geotechnical Viewpoint
3:00 PM	3:20 PM	**Break (20 minutes)**
		Geomorphology
3:20 PM	3:40 PM	Julia R. Steenberg, John D. Barry, Andrew J. Retzler, Anthony C. Runkel, Robert G. Tipping, E. Calvin Alexander, Jr. - A Comprehensive Analysis of Stratigraphic Influence on Karst Feature Distribution and Density Across Southeast Minnesota, USA
3:40 PM	4:00 PM	Peter J. Hutchinson - Hasparos Embayment – An Example of Intrastratal Hypogenic Speleogenesis
4:00 PM	4:20 PM	Shamsuddin Ahmed, R Shane McGary - Contrasting the Groundwater Pathways Driving Cave Formation in the Water Sinks Area in Highland County, Virginia, USA Using Electrical Resistivity Imaging
4:20 PM	4:40 PM	David D. Decker, Garrett Jorgensen Olague, Michael Jones, Ryan Palmer - Brine-Enhanced Hypogenic Speleogenesis and Concentrated Karst Development in the Burton Flats, Eddy County, New Mexico

Thursday October 8		
8:00 AM	9:00 AM	Coffee Discussions
		Sinkhole Mapping
9:00 AM	9:20 AM	Osama M. Al-Tarawneh, Weiwei Zhan, Clint Kromhout - Statewide Sinkhole Susceptibility Mapping in Florida Using Explainable GeoAI
9:20 AM	9:40 AM	Mario Puente-Sierra, Javier Santos-González, Rosa B. González-Gutiérrez - Comparing Manual and Automated Methods in Sinkhole Delineation: a Cantabrian Mountains (Spain) and Tasman Mountains (New Zealand) Case Study
9:40 AM	10:00 AM	Junfeng Zhu, Desireé Cunningham, Nathan Jacobs - Attention-Enhanced MultiModal Fusion of Elevation and Aerial Imagery for Sinkhole Segmentation
10:00 AM	10:20 AM	**Break (20 minutes)**
		Geospatial
10:20 AM	10:40 AM	Nick Lawhon - Cover Collapse Sinkholes in Stormwater Infrastructure in the Urban Karst of Bowling Green, Kentucky – Occurrence, Mitigation, and Prevention
10:40 AM	11:00 AM	Brittany Parrick, Douglas Aden - A Comprehensive Look at Ohio's Karst Inventory Mapping Reconnaissance, Ground-Truth, and Beyond
11:00 AM	11:20 AM	John D. Barry, Ronald C. Spong, Peter J. Hutchinson, Martin R. Larsen, Anthony C. Runkel - Characterization of the Galena Karst of East-Central Olmsted County Minnesota
11:20 AM	11:40 AM	Dhanuska B. Wijesinghe, Spencer Schmidt - Investigating Sediment Accumulation Dynamics via Integration of GIS and Remote Sensing Tools Along with Physical/ Chemical Characteristics of Sediments in Owl Cave, Highland County, Virginia
11:40 AM	12:00 PM	**Break (20 minutes)**
12:00 PM	2:00 PM	**Banquet and Speaker:** Michael Sukop, Ph.D., PG, CHg - A Bellwether for Change: Groundwater and Sea Level Rise in Southeast Florida
2:00 PM	4:00 PM	**Karst Clips**
4:00 PM	7:00 PM	**Poster Session**
4:00 PM	7:00 PM	Jenny Huang, Jannes Kordilla, Marco Dentz, John Barry, Christian Langevin, Peter Kang - A Field-Inspired Investigation of Conduit Network Impacts on Spring Flow in Karst Aquifers
4:00 PM	7:00 PM	Robert Salaz, Jacob Slyder, Ellen Trautner, Georgia Schneider - Mobile LiDAR Scans of Caves; Methods for Tying in Ground Control Points
4:00 PM	7:00 PM	Mary C. Ngoma, Oladoyin Kolawole - Biogeomechanics of EICP Reinforcement of Karstified Rock Masses
4:00 PM	7:00 PM	Zachary C. Schagrin, P.G. - Creating a Karst Features Map of a 7.5-minute Quadrangle in Northern New Jersey
4:00 PM	7:00 PM	Enzo Franceschi Genesi, Horia G. Olariu, Bradford Wilcox - Mapping Sinkholes and Closed Depressions in the Edwards Aquifer Recharge Zone: Comparizon of LiDAR-Based Semi-Automated Detection Methods and Field Validation
4:00 PM	7:00 PM	Jennifer R. (Adkins) Schudrowitz, Linda K. Bevist - Production Variability in the Edwards Aquifer, South-Central Texas, USA
4:00 PM	7:00 PM	Oladoyin Kolawole, Rita L. Sousa, Christina Comuso, Mohab Hussein - Sinkhole Hazards, Risks and Remediation: A Fifty-Year Case Study in New Jersey, USA
Friday October 9		
7:30 AM	1:00 PM	**Field Trip - Geology of Howe Caverns. Trip Leader: Sarah Cadieux (departs from Albany Capital Center)**