

International Workshop on Micropiles

ISM held its 13th International Workshop on Micropiles in Vancouver, B.C., Canada, on March 29-April 1, 2017. The event exceeded previous workshop records with more than 150 delegates attending the 2-1/2 days of technical sessions and discussions. Even with the large number of attendees, the event retained its workshop spirit of open sharing, the hallmark of ISM. This year's workshop marked the 20th anniversary of the first ISM workshop in 1997 held in Seattle, Wash., under the auspices of DFI and FHWA.

Crux Subsurface of Spokane, Wash., served as the host company, led by Nick Salisbury. Dan MacLean, P.Eng., of Geo-Foundations Contractors, served as the program chair.

Allen Cadden, P.E., D.GE, of Schnabel Engineering and acting ISM chair recognized the enthusiasm and support of outgoing current chair Jim Bruce, P.Eng., of Geo-Foundations Contractors, and welcomed MacLean as the new ISM chair. The ISM Steering Committee, which leads the activities of ISM, added new member,



Local organizers (from left) Chantal Torabi, Zahra Mamdani and Nick Salisbury of Crux Subsurface



ISM Honorary Chair Donald Bruce (left) and Allen Cadden recognized Horst Aschenbroich of Con-Tech Systems (center) for 20 years of dedication to ISM

Dr. Changho Choi of the Korean Institute of Construction Technology in South Korea.

The technical sessions began with the presentation of the 9th Lizzi Lecture delivered by John Wolosick, P.E., D.GE, of Hayward Baker about the bending moments on battered micropile groups. Maged Abdraham, Ph.D. candidate from Western University, delivered the 7th Lizzi Scholarship Lecture about his research on the lateral performance of hollow bar micropiles in cohesionless soils.

Case history presenters pictured below



Allen Cadden, acting ISM chair (left) and Dan MacLean, incoming ISM chair



The 2nd World Cup provided an exciting two days of good-natured ribbing between the defending champions from North America, Crux Subsurface, and their competitors. Workshop delegates selected PCA Contracting, representing Australasia, as winners of the coveted World Cup for its project, Life Extension of 132kV Lattice Tower Foundations in Townsville, Australia. Competitors included Crux Subsurface (Blue Lake Hydroelectric Expansion project) from North America, IB-Brandner (10 Person Gondola Dorfbahn Middle Station – Gerlos/Tyrol project) from Europe, and University of Los Andes, Colombia (Alluvial Anker Micropiles as Alternative Foundation in Tropical Soils) from South and Central America. More details on these projects will be published on the ISM website at www.ismicropiles.org.

The technical program featured a live webinar of the ISM Experts of the World panel discussion, including Donald A. Bruce, Ph.D., D.GE, of Geosystems, L.P., and Wolosick from U.S.A.; Nadir Ansari of Isherwood from Canada; Paul Woodfield of Geotechnik Ground Solutions from Great



World Cup Competitors, with Champions PCA Ground Engineering led by Allan Herse

Britain; and Bjorn Ischebeck of Fried. Ischebeck GmbH from Germany. The panel session spurred lively discussion on international practices, including grout testing, corrosion protection and design and construction issues.

The ISM workshop proceedings are available for purchase through the ISM website at www.ismicropiles.org, ADSC Technical Library at www.adsc-iafd.com and the publications page on the DFI website at www.dfi.org.

ISM gratefully acknowledges the contributions of our corporate sponsors.



Technical Program Chair MacLean (left), Lizzi Scholarship winner Abdraham (center) and Lizzi Lecturer Wolosick (right)

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