The UNIVERSITY CONSORTIUM

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Peeter Pehme is both the president of Waterloo Geophysics Inc. and a principal investigator / research scientist at the G^{360} Institute for Groundwater Research. He is also an adjunct professor at both the Universities of Waterloo and Guelph. He earned his Ph.D. and M.Sc. degrees in Hydrogeology/Geophysics, as well as a B.Sc. in Earth Science, all at the University of Waterloo. He provides geophysical expertise to the Dr. Parker's G^{360} Institute at the University of Guelph, researching flow in fractured rock of various types. His current research emphasis is characterizing flow through fractured rock using innovative hydro-physical techniques with particular emphasis on developing applications of high sensitivity temperature methods, detailed hydrogeologic characterization in fractured rock and cross-hole testing. Peeter's career evolved from being the founding president of Hyd-Eng Geophysics Inc. before merging with Dillon Consulting Limited where he served as the senior geophysicist and an associate. He has over 35 years of experience in the application of a wide variety of surface and borehole geophysical techniques to hydrogeological and geotechnical investigations. His work has included sites throughout North America, Europe, the Caribbean, South America, Asia, and the high Arctic.

Selected Papers

Peeter has instructed/co-instructed short courses on shallow geophysical techniques at the University of Guelph, University of Waterloo, and Queen's University, for the Waterloo DNAPL Course (San Francisco & Toronto), for NGWWA (San Diego), EGGS (Denver and Atlanta), CGTS (Ottawa) and for CBCC (Halifax).

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2013, Pehme P.E. and B.L. Parker. Time-Elevation Head Sections: Improved Visualization of Data from Multi-Levels, Ground Water Monitoring & Remediation V33, No 2.

2012, Pehme P.E., D. Smikle and S. Lindo. Assessing and Characterizing Threats on Coastal Water Supplies Using Geophysical Techniques, Conference proceedings - Caribbean Water Wastewater Conference, Nassau, Bahamas Oct 1-5.

2011, Pehme, P., B.L. Parker and J.A. Cherry. Identifying and assessing ambient groundwater flow through fractured rock: revitalizing the role of temperature logging with new approaches and technologies. Presented at the 2011 NGWA Focus Conference on Fractured Rock and Eastern Groundwater Regional Issues, Burlington, Vermont, September 26-27.

2010, Pehme, P.E., Parker B.L, Cherry J.A. and Greenhouse J. P., Improved Resolution of Ambient Flow through Fractured Rock with Temperature Logs, Ground Water, Vol 28, No 2 pp.191-211.

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2007, D. Jean Hutchinson, Mark Dieterichs, Peeter Pehme, Peter Sawyer, Phillip Robinson, Al Puxley and Hélène Robichaud, Geomechanics stability assessment of World War I military excavations at the Canadian National Vimy Memorial Site, France. International Journal of Rock Mechnaics & Mining Sciences, 45 p59-77