

# construction in challenging environments



**Pacific Association of Quantity Surveyors (PAQS)**  
**12<sup>th</sup> Congress: Construction in Challenging Environments**

**Session 2 – Monday, June 16, 2008**  
**1:30 – 3 p.m.**

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**Timothy J. Spiegel, B.Sc. (QS), PQS, MAQS, RQS**  
**Senior Company Principal**  
**Spiegel Skillen & Associates**  
**Canada**

***Presentation: Wood: A Fresh Perspective***

Tim Spiegel received his Bachelor of Science degree in Quantity Surveying at The University of the Witwatersrand in Johannesburg in 1976.

He is a member of the Canadian Institute of Quantity Surveyors, a past Member of the Board of Directors of the Quantity Surveyors Society of British Columbia and is a recent Lieutenant-Governor Appointee to the Governing Council of the Architectural Institute of British Columbia.

He has also sat on a number of other Corporate Boards including that of Ubiquity Bank of Canada, and the Royal Canadian Mint.

He is the President of Spiegel Skillen & Associates Limited, Professional Quantity Surveyors, Construction Cost Managers and Value Analysis Consultants. He is established as a leader in the Quantity Surveying and Value Analysis consulting fields, and is a strong proponent of the Integrated Design Process and is actively involved in the facilitation of projects using the Integrated Design Process.

Tim has participated in significant Green Building Projects, analyzing capital and detailed life cycle costs. He has written and presented a number of papers on the economic effect of Green Buildings and sustainability.

He has significant recent experience in P3 (Public Private Partnership Projects) working both as a member of compliance teams as well as for various proponents.

Tim has successfully mediated and arbitrated construction disputes, and has been appointed by the Supreme Court of British Columbia as Receiver/Manager.

**Nattachi Phandee**  
**Managing Director**  
**Arch-T?tes Co. Ltd.**  
**Thailand**

***Presentation: Optimizing Passenger Thermal Comfort in a Bangkok Subway Station***

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**Tyler Barkhouse, P.Eng., CEA, CEAS**  
**Environmental Manager**  
**Earth Tech Canada Inc.**  
**Canada**

Tyler Barkhouse is a Professional Engineer as well as a Certified Environmental Site Assessor and Certified Environmental Auditor. Tyler graduated from Mount Allison University in 1984 and the University of New Brunswick in 1987. Currently, Mr. Barkhouse is the Environmental Division Manager for Earth Tech Canada in Edmonton, Alberta.

Tyler has been doing environmental work in Canada's Arctic since 1990. He has been to over 40 remote northern sites from CFS Alert, to CFB Goose Bay, to Iqaluit, to the Alaskan border. These sites include DEW Line Stations, High Arctic Weather Stations, High Arctic Airports, and Military Bases. Throughout his 17 years working in the north his presentation today presents some of the most challenging and unique experiences he has encountered.