

# Institution of Civil Engineers 2010 Americas Convention Engineers @ the Heart of Society: Collaborating + Innovating *for Our Common Future*

*Vancouver, BC, Canada*  
Westin Wall Centre  
3099 Corvette Way, Richmond, British Columbia V6X 4K3 Tel: 604.303.6565  
**Thursday 3rd June (18:00-20:30) - Welcome Reception**  
**Friday 4th June (07:00-21:30) - Conference & Gala Dinner**  
**Saturday 5th June (09:00-16:30) - Tours**

**Convention Program & Registration : <http://ICE-AmericasConvention2010.weebly.com>**

### Prominent Speakers |

We think you'll agree with us that there are many influential people amongst the list of speakers. Solving today's pressing problems requires engineers to **work in partnership crossing disciplines, collaborating and innovating regionally and globally**. It will be a mixture of solid information, serious discussions, inspiring examples, leading edge tools and provocative inquiry, and we believe people will leave the convention *inspired* and *enlightened* (as in both *turning-on-the-bulb* and *lessening-the-weight*) to go out to **innovate, connect** and **collaborate**, and thence liberating the deep potential of engineering to better the world in our rapidly changing climate and realities.

### Trilateral Engineering Protocol for the Planet |

This is undoubtedly a convention designed to provoke discussions on the *larger response abilities* of the profession. We would also like to think that this convention further the discussions of the *2006 Triennial Conference* of the Institution of Civil Engineers (ICE), the Canadian Society of Civil Engineering (CSCE), and the American Society of Civil Engineers (ASCE) on "**Safety, Security and Sustainability: Can engineers rise to the global challenge?**". It was at that conference that the three institutions signed the "*Protocol for Engineering a Sustainable Future for the Planet*".

### Climate, Ecological & Low Carbon Challenges |

We'll open the ICE 2010 Americas Convention by acknowledging the **Challenges of Addressing the Imperatives of Low Carbon Design**, which if you do not know already is also highly topical politically, delivered by none other than the very vocal *Chairman of the UK Construction Industry Council*. We will then be "*(Meeting) Our Destiny*" with **Understanding Climate Change and Attribution** presented by *Canada's (and IPCC's) leading expert in climate statistics*, and face *Our 21st Century Challenges* as presented by the originator (and method developer) of the concept of **Ecological Footprint**.

### Dream Team of Collaborators and Innovators | List of Confirmed Speakers and Moderators |

**Keith Clarke** , FICE, RIBA, MSc, Dip Arch, FRSA, Chief Executive Officer, Atkins plc, Chairman of Construction Industry Council (CIC/UK)

**Haro Bedelian** , OBE, MA, HonDEng, FEng, FICE, Chair of ICE Americas

**Francis Zwiers** , FRSC, Director, Climate Research Division, Environment Canada

**Professor William Rees** , FRSC, PhD, Professor at UBC School of Community & Regional Planning. Originator of the "ecological footprint" concept & co-developer of the method.

**Peter Holt** , CEng, MIET; Director, Buckley Blair & Associates Inc

**Ted van der Gulik**, PEng, BC Ministry of Agriculture & Lands

**Sean Pander** , PEng, Climate Change Program Manager, City Of Vancouver

**Brent Burton** , PEng, Chair of Stormwater & Wastewater Expert Working Group for Engineers Canada's Public Infrastructure Engineering Vulnerability Committee; Senior Engineer, Metro Vancouver

**Lawrence D. Frank** , PhD, AICP, ASLA, Associate Professor and Bombardier Chair in Sustainable Transportation, UBC

**Harold Kalke** , PEng, BSc (Civil Engineering), MBA, Honorary Doctor of Laws from UBC; Founder of Kalico Developments, Salt Lick Properties, East Gate Properties and other businesses in Canada & US; formerly Chair of Dockside Green Ltd, Director of Smart Growth BC, and Chair of the UBC Board of Governors.

**Julien Fagnan** , PhD, PEng, Associate, Fast+Epp

**David Forgie** , PhD, PEng, Associated Engineering BC Ltd, APEGBC 2009 Sustainability Award

**Roger Woodhead** , PhD, PEng, Technical Director of Canada Line Project

**David Harvey** , PEng StructEng, CEng, FICE, FStructE, Associated Engineering BC Ltd; Past President of IStructE, recipient of APEGBC's R.A. McLachlan Memorial Award in 2009.

**Nigel Shrive** , D.Phil., PEng, CEng, FICE, FCAE, Professor and Killam Research Chair, Department of Civil Engineering, Schulich School of Engineering, and Director of the McCaig Institute for Bone and Joint Health, University of Calgary. Pioneer in bio-engineering.

**Tyler Algeo** , Student, Civil & Environmental Engineering, UBC; President of the UBC Chapter of Engineers Without Borders

### Gala Dinner |

Our **ICE President**, who has long been a leader **beyond all frontiers** in engineer's contribution to meeting the *UN Millennium Development Goals*, will speak to us at the Gala Dinner, and so will a very influential **Guest Speaker** whose identity we have decided to *unveil only on that evening*.

### Poster Submissions |

Posters contributing to the discussion on any of the themes of this convention are invited from **students and young professionals** (of any professional discipline) **under the age of 33**. Authors of selected posters will be admitted to all parts of the convention at **half price** (or less, subject to accepted special justifications). They must also make themselves available to answer questions during breaks. Posters are to be submitted by email in **PDF** format, in a single sheet of **60cm wide x 90cm high**. (Expression of interest by **May 10th, 2010**, and poster submission by **May 15th, 2010**)

### Convention Contacts |

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**Jon O'Riordan** , MA, PhD, President, Fidelis Resource Group; formerly BC Minister of Sustainable Resource Management

**Chris Corps** , BSc MRICS, Asset Strategies Ltd.

**Stephen Salter** , PEng, co-founder of Fidelis Resource Group; President of Farallon Consultants

**Derek Doyle** , PEng, BEng(Mech), MBA, CBM, Executive Director & Registrar of APEGBC

**Professor Paul Jowitz** , BSc(Eng), PhD, DIC, CEng, CEnv, FICE, FIPENZ, FRSA, FCGI, FRSE, President, Institution of Civil Engineers (ICE); Professor of Civil Engineering Systems & Executive Director of the Scottish Institute of Sustainable Technology at Heriot Watt University. Previously Chair of the ICE Presidential Commission - "Engineering without Frontiers" , and now Chair of the ICE's International Development Policy Group.

"Engineering, of any description is an art of the possible. It happens at the junction between what is materially possible and what is humanly possible. Its course is shaped by the latest developments in the ends and resources and the latest priorities and interests with the way the world lives. It is material to manipulate obdurate matter, and also by the agendas and priorities and interests with the way the world lives. It is written by Francis Spufford in the *Canadian Academy Of Engineering Task Force on the Future of Engineering: A Framework for Discussion* (Dec. 2005) (50)

"No society has ever yet been able to handle the temptations of technology to mastery, to waste, to pollution, to exploration and exploitation. We have to learn to cherish this earth and to curb our desire for more. We have to correct the dangers that have come from science and technology. — Margaret Mead (1901-1978)"

"We shape our buildings; thereafter they shape us." — Winston Churchill

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"We can be ethical only in relation to something we can see, feel, understand and love." — Aldo Leopold, *Sand County Almanac*

"So, let us not be blind to our differences, but let us also direct attention to our common interests and to the fact that we all inhabit this small planet. We all breathe the same air. We all cherish our children's future. And we are all mortal." — John F. Kennedy