
ASCE International Program

Responding to Climate Change – The Role of the Engineer

November 5-6, 2008

*in conjunction with
the 138th Annual ASCE Civil Engineering Conference
Engineering: The Workforce of the Future
November 6-8, 2008*

Westin Convention Center Pittsburgh Hotel
David L. Lawrence Convention Center
Pittsburgh, PA



International Program

Wednesday, November 5, 2008, and Thursday
November 6 2008

(<http://content.asce.org/international/index.html>)

ASCE's International Program was developed by the International Activities Committee in conjunction with the Environment and Water Resources Institute; Coastal, Ports, Rivers Institute; and the Sustainable Development Technical Activities Committee. Session themes include the ***International Luncheon, Symposium on Urban/Water Impacts of Climate Change, Professional Perspectives in Addressing Climate Change***, followed by the ***International Roundtable – Preparing for Climate Change*** with the World Bank, and the ***International Reception and Dinner***. Additionally, the Committee on Global Principles for Professional Conduct will present the premier "***Ethicana***" a project of the Global Anti-Corruption Education and Training Initiative (Global ACET).

The registration fee for the International Program is \$295.

International guests are encouraged to take part in both the international and main conference programs, and general conference attendees are invited to come early and profit from the international sessions (International Program—November 5-6 and the main ASCE conference program—November 6-8, 2008).

WEDNESDAY November 5, 2008

Climate Change Symposium Part 1: Urban Infrastructure and Water Impacts of Climate Change

Time: 9:00 am to 12:00 pm

Impacts of climate change are beginning to manifest themselves with consequences on the water environment and coastal urban complexes. Effective adaptation requires civil engineers to carefully monitor these trends and develop appropriate plans. This session

will begin to explore these impacts and how we might prepare for them.

Session Chair: EWRI/COPRI/IAC

Welcome: ASCE 2008 President David Mongan, P.E., F.ASCE

Moderator: George Bugliarello, P.E., F.ASCE
Foreign Secretary, National Academy of Engineering

Water Impacts Panel Host – Lesley Ewing, P.E., M.ASCE, COPRI Board of Governors

- Peter Rogers, M.ASCE, Harvard
- Walter Vergara, Lead Engineer, Latin America Environment Department, World Bank

Urban Infrastructure Impacts Panel Host
– Brian Roberts, P.E., M.ASCE – EWRI Climate Committee

- Darren Wachtler, Fluor/World Economic Forum, Slim Cities Initiative
- Scott L. Douglass, P.E., M.ASCE
University of South Alabama/TRB

Session sponsored jointly by:

SD TAC/EWRI/COPRI/IAC

International Luncheon

Time: 12:00 pm – 2:00 pm

Join the International Activities Committee and the ASCE Board of Direction to hear about the critical role engineers play in responding to climate change and advancing sustainable development both domestically and internationally.

Responding to Climate Change – the Role of the Engineer

Keynote Speaker: Darrel John Danyluk, B.Sc., P. Eng, FCSCE, FEIC, M.ASCE

Moderator: ASCE 2008 President David Mongan, P.E., F.ASCE

Registration Fee: The International Program Package includes the International Luncheon. Additional Tickets \$40 each

Climate Change Symposium Part 2: Professional Perspectives in Addressing Climate Change

Time: 2:00 pm – 5:30 pm

This Session will explore sustainable engineering principles and practices that can be applied to climate change issues and challenges from a variety of perspectives—private sector, public sector, NGO, investment, and education points of view.

Welcome: ASCE 2008 President David Mongan, P.E., F.ASCE

Moderator: Al Grant, P.E., F.ASCE, Chair Committee on Sustainability, ASCE Technical Activities Committee

Private Sector Perspective

- Glen Daigger, Ph.D., P.E., M.ASCE, CH2M Hill

Public Sector Perspective

- MG Don T. Riley, M.ASCE, USACE

NGO Perspective

- Bill Wallace, A.M.ASCE, ACEC/FIDIC

Education Perspective

- Cliff Davidson, Ph.D., M.ASCE, Center for Sustainable Engineering, Carnegie Mellon University

Global Investment Perspective

- Mary Boomgard, Director, Environment Group, Overseas Private Investment Corporation – OPIC

Session sponsored jointly by:
SDTAC/EWRI/COPRI/IAC

International Reception and Dinner

Time: 7:00 pm – 10:00 pm

Join your international colleagues for a relaxing evening of great food, great company and great music. Take advantage of this networking opportunity before the official start of the conference.

Registration Fee: The International Program Package includes the International Reception and Dinner. Additional Tickets \$105 each

THURSDAY NOVEMBER 6, 2008

International Roundtable: Preparing for the Impacts of Climate Change

Time: 8:00 am – 11:30 am

Join the International Roundtable discussion and be part of an ASCE facilitated collaboration between engineers and global policy makers. Provide your input as civil engineers take their place as leaders at the international policy development table.

Welcome: ASCE 2008 President David Mongan, P.E., F.ASCE

Moderator: David Leverenz, P.E., F.ASCE, Chair, ASCE International Activities Committee

Speakers:

- Warren Evans, Director Environment Department, The World Bank
- Responding Agreements of Cooperation Societies
- Open Forum

Rapporteur: Kyle E. Schilling, P.E., BCEE, Hon.M.ASCE, EWRI President

Closing comments: ASCE 2009 President Wayne Klotz, P.E., F.ASCE

Session sponsored jointly by:
SDTAC/EWRI/COPRI/IAC

Global Anti-Corruption Education and Training Initiative – World Premier of *Ethicana*

Time: 1:00 pm – 3:00 pm

Join the members of ASCE's Committee on Global Principles for Professional Conduct and the Global Anti-Corruption Education and Training Initiative (Global-ACET) as they present the world premier of *Ethicana*, a DVD

program on ethical dilemmas often faced by engineers in their projects.

Welcome: ASCE 2009 President Wayne Klotz, P.E., F.ASCE,

Moderator: Bob Crist, Ph.D., P.E., M.ASCE, Chair, Committee on Global Principles for Professional Conduct

Keynote Speaker: Lee Tashjian, Vice President Corporate Communications, Fluor Inc.

- Jimmy Smith, Ph.D., P.E., F.NSPE, F.ASCE, Global ACET Project Director
- Bill Henry, P.E., D.WRE, F.ASCE, ASCE 2005 President, Global ACET Project Initiator and Co-Executive Producer

ASCE Annual Conference Begins:
Engineering: The Workforce of the Future

SATURDAY, NOVEMBER 8, 2008

ASCE International Activities Committee (IAC) Meeting

8:00 am – 5:00 pm

SUNDAY, NOVEMBER 9, 2008

ASCE International Activities Committee (IAC) Meeting

8:00 am – 12:00 pm

KEYNOTE SPEAKERS, MODERATORS

Urban Infrastructure and Water Impacts of Climate Change

Time: 9:00 am to 12:00 pm
Wednesday, November 5, 2008

Moderator: George Bugliarello, P.E., F.ASCE
Foreign Secretary, National Academy of Engineering

George Bugliarello



President Emeritus (having served as president from 1973 to 1994), University Professor and former chancellor (1994 - 2003) of Polytechnic University, is an engineer and educator with a broad background ranging from fluid mechanics to computer languages, the environment, biomedical engineering and science policy. He holds a Doctor of Science degree in engineering from the Massachusetts Institute of Technology, and was awarded honorary degrees from Carnegie-Mellon University, the University of Trieste, the Milwaukee School of Engineering, the Illinois Institute of Technology, Pace University, Trinity College, Rensselaer Polytechnic Institute, and the University of Minnesota.

Dr. Bugliarello is now serving a four-year term as Foreign Secretary of the National Academy of Engineering, of which he has been a member since 1987. He is a lifetime National Associate of The National Academies and currently serves as chair of the National Academy of Engineering Council's International Affairs Committee.

International Roundtable: Preparing for the Impacts of Climate Change

Time: 8:00 am – 11:30 am
Thursday, November 6, 2008

Keynote Speaker: Warren Evans, Director Environment Department, The World Bank

Warren Evans



Warren Evans is the Sector Director of the World Bank Environment Department.

His main responsibilities include overseeing the implementation of the Bank's Environment Strategy, in particular, for integrating environmental objectives in lending and non-lending operations; providing leadership to the global environment agenda with internal and external stakeholders including the expansion and strengthening of global environmental partnerships. Evans is also a key spokesperson for the Bank on climate change and related programs, such as Carbon Finance, with a primary responsibility of implementing and integrating climate concerns into operational work.

Mr. Evans, a US national, joined the World Bank in July 2003. From 1988 to 2003, he held technical and managerial positions at the Asian Development Bank (ADB)- his last ADB position was the Director for the Environment and Social Safeguards Division based in the Philippines. Prior to that, Mr. Evans work on environmental issues in developing countries included serving as advisor to the Thai National Environment Board from 1978-1981 and as Managing Director of an international environmental consulting firm based in Asia from 1982-1987.

International Luncheon

Time: 12:00 pm – 2:00 pm
Wednesday, November 5, 2008

Keynote Speaker: Darrel John Danyluk, B.Sc, P. Eng, FCSCE, FEIC, M.ASCE

Darrel John Danyluk



Darrel is a distinguished civil engineer with over 30 years of consulting experience with Reid Crowther, eventually becoming the Chairman of the Board and Chief Operating Officer. In 2001, he joined the Department of Civil Engineering at the University of Calgary as a Distinguished Industrial Visitor and subsequently an advisor to the office of the Vice-President of Research and International, leading several high profile projects and alliances with municipal and non-government organizations.

He is a Past President of the Canadian Council of Professional Engineers (now called Engineers Canada), the Association of Professional Engineers, Geologists and Geophysicists of Alberta (APEGGA) and the Consulting Engineers of Alberta. Darrel is a Fellow of the Canadian Society of Civil Engineers and the Engineering Institute of Canada as well as a Member of the American Society of Civil Engineers.

His current leadership on environmental issues includes Chair of the Public Infrastructure Engineering Vulnerability Committee examining the vulnerability of Canadian infrastructure to the impacts of a changing climate. Internationally he serves as Chair of the World Federation of Engineering Organizations (WFEO) Committee on Engineering and the Environment, which includes participation in the UN Commission on Sustainable

Development as well as the UN Framework Convention on Climate Change.

He has been recognized by APEGGA with the Honorary Life Membership Award, and by the Schulich School of Engineering as a Champion.