



Faculty of Liberal Arts & Professional Studies

School of Administrative Studies

## Disaster & Emergency Management Program



# Japan's Tohoku Earthquake & Tsunami LESSONS LEARNT

ON THE 1<sup>st</sup> ANNIVERSARY OF THE TOHOKU EARTHQUAKE

**WHEN &  
WHERE**

Friday March 9, 2012 | 9am - 4:30pm

Room 109 Atkinson Building, Harry Crowe Room York University, 4700 Keele Street, Toronto, Ontario

## Program and Speakers' Biographies

### 0900 – 0930 OPENING SESSION

**Ali Asgary**, Associate Professor and Graduate Program Director, Disaster and Emergency Management Program, York University

**Professor Barbara Crow**, Associate Dean, Faculty of Liberal Arts and Professional Studies, York University

**Masaya Otsuka**, Consul, Head Information and Culture, Consulate-General of Japan in Toronto

**Ken Noma**, President, National Association of Japanese Canadians

## **0930 – 1030 SESSION 1**

Session Chair: **Franklin McDonald**

**Ioan Nistor**, Associate Professor of Civil Engineering, Vice-Dean Graduate Studies, Faculty of Engineering, University of Ottawa

**Topic:** *Engineering Significance and Lessons of the March 11, 2011 Tsunami in Japan: Tsunami Impacts on Infrastructure*

**Futoshi Ohyama**, Associate Professor, Department of Adult Nursing, Tokai University School of Health Science (Via ELink from Japan) and

**Kenji Fukushima**, Assistant Professor, Department of Emergency and Critical Care Medicine, Saitama Medical Center, Member of Japan's Disaster Relief Team

**Topic:** *Disaster of Japan and the East Great Earthquake. An Overview of 3.11*

**1030 – 1045**

**COFFEE BREAK**

## **1045 – 1215 SESSION 2**

Session Chair: **David Etkin**, Associate Professor and Area Coordinator , Disaster and Emergency Management Program, York University

**Mark Schwartz**, Associate Professor and Area Coordinator, Law, Governance & Ethics, School of Administrative Studies, York University

**Topic:** *Business Ethics Issues Arising from Japan's 2011 Tohoku Earthquake and Tsunami*

**Hossam Elsharkawi**, Director, Emergencies and Recovery, International Operations Canadian Red Cross

**Topic:** *Lessons learned in japan, and how those lessons apply to Canada*

**Frederic Miville-Deschenes**, Senior Advisor, and Peter Bundy, Advisor, DFAIT's Humanitarian Affairs and Disaster Response Division

**Topic:** *Canada's Responses to Natural Disasters Abroad – the case of the Great East Japan Earthquake*

**Heather Leson**, Director of Community Engagement Ushahidi

**Topic:** *Mapping responses to the Japanese earthquake*

**1215 – 1330**

**LUNCH BREAK**

## 1315-1330 JAPANESE TRADITIONAL SPIRITUAL DANCE

By Students in “[Improve the World Creativity Project](#)“, “Students Fundraiser for Japan’s Earthquake Victims”

### **1330 – 1445 SESSION 3**

Session Chair: **Niru Nirupama**, Associate Professor, Disaster and Emergency Management Program, York University

**Amber Hildebrandt**, Online Journalist at CBC,

**Topic:** *Reporting on Japan’s triple disaster*

**Martin Schwerdtfeger**, Senior Economist, TD Bank Financial Group

**Topic:** *Economic and Financial Impact of Japan’s 2011 Tsunami*

**Crystal Penner**, World Vision Canada

**Topic:** *New things, Unique things & Old things in Disaster Response*

1445 - 1500

COFFEE BREAK

### **1500 – 1600 Discussions and Closing Panel**

Session Chair: **Ioan Nistor**, Associate Professor, Department of Civil Engineering, University of Ottawa

#### **Panel Members:**

**Franklin McDonald**, Visiting Scholar York University

**Harris Ali**, Associate Professor, Faculty of Environmental Studies, York University

**David V.J. Bell**, Director, York Centre for Applied Sustainability and Professor, Faculty of Environmental Studies, York University

#### **Closing Session Presentation**

**Franklin McDonald**, Visiting Scholar York University

**Topic:** *Key Disaster Risk Reduction Challenges of The Japan’s 2011 Earthquake and Tsunami*

**Closing Session Discussions (by the Panelists and Participants)**

**Masaya OTSUKA**

Consul, Head Information and Culture, Consulate-General of Japan in Toronto

**Education**

Graduated from Waseda University, Tokyo  
Bachelor of Law

**Working Experiences**

- 1982 Joined Ministry of Foreign Affairs
- 1985 Third Secretary, Embassy of Japan in Vietnam (Hanoi)
- 1989 Second Secretary, Permanent Delegation to UNESCO (Paris)
- 1992 Deputy Director, Global Issues Division, Ministry of Foreign Affairs (Tokyo)
- 1998 Deputy Consul General, Consulate-General of Japan in Ho Chi Minh City (Vietnam)
- 2001 First Secretary, Embassy of Japan in Vietnam (Hanoi)
- 2002 First Secretary, Embassy of Japan in U.K. (London)
- 2006 Deputy Director, Inspection Division, Ministry of Foreign Affairs (Tokyo)
- 2008-present Consul, Consulate-General of Japan in Toronto

## Kenichiro (Ken) Noma

President, National Association of Japanese Canadians



After having taught social sciences for thirty years at Marc Garneau Collegiate Institute in Toronto, Ken retired in June of 2006. Ken Noma is well known for his leadership in the development and implementation of the first, system-wide Pacific Rim Education initiative by a school board in Ontario. From 1990 to 1995, he introduced Japanese credit courses (business, language, geography and history credit courses) into the East York curriculum; developed resources; organized conferences; established active student and teacher exchange and study programmes with Asian schools. He raised awareness among staff, students and parents to the need to acquire skills and the cultural sensitivity necessary to work with the peoples of the Pacific Rim. He has traveled extensively throughout East Asia and has assisted many school boards throughout Canada in establishing similar initiatives. He is currently working with the Toronto District School Board's Continuing Education Department in promoting student and teacher study tours to Japan. He has also held the position of Anti-Racist Consultant for the East York Board of Education.

Since mid 1970's, Ken Noma has been a community activist in Hamilton and Toronto. Upon moving to Toronto he was involved in the establishment of the Toronto Chapter of the National Association of Japanese Canadians and organized numerous student and teacher workshops on the Japanese Canadian Internment. Ken continues to be involved with the Japanese Canadian Community and is concerned about the need to insure the survival of the Japanese Canadian Community who have been part of Canadian history for 133 years. He has held the posts of Redress Subcommittee Chairman of the Canadian Ethnocultural Council and is the past President of the Greater Toronto Chapter of the National Association of Japanese Canadians. He has organized a Canadian conference for the National Association of Asian and Pacific American Educators and is the current President of the Ontario Kagoshima Kenjin-kai. He is also the past Vice-President of the Heritage Committee of the Japanese Canadian Cultural Centre and former President of the JCCC Token Kai (Japanese Sword Society) as well as a Board member of the Hastings Park Foundation for Rights and Freedoms.

Ken was elected as national President of the National Association of Japanese Canadians in October of 2010. The NAJC, on September 22<sup>nd</sup>, 1988 achieved the Redress Settlement with the Government of Canada for the internment of 21,000 Japanese Canadians during World War Two. Last year, he was elected as President of the Greater Toronto Chapter of the NAJC.

He is a recipient of the **Senshin Koku Nikkeijin Kenshu Award** given by the Japanese Government. Ken Noma is a graduate of McMaster University (Honours B.A. in Political Science and Anthropology) and the University of Toronto (Bachelor of Education and Master of Education).

Ken is a native of Kagoshima prefecture, son of a Nisei (second generation) father and Issei (first generation) mother. He resides in Toronto with his wife and two sons. He is an avid advocate of Japanese sake, shochu and whisky and a collector of Japanese antiques, specializing in Japanese calligraphy (Kakejiku) from the Meiji Period (1868-1912).

## **Dr. Ioan Nistor**

Associate Professor, Department of Civil Engineering Vice-Dean Graduate Studies.  
Faculty of Engineering, University of Ottawa



Dr. Ioan Nistor – University of Ottawa, Canada Professor Ioan Nistor is a hydraulic engineer with 20 years of both academic and consulting engineering experience. He is currently an Associate Professor of Hydraulic Engineering in the Department of Civil Engineering and Vice-Dean Graduate Studies of the Faculty of Engineering of the University of Ottawa, Canada.

Professor Ioan Nistor is also the Chair of the Hydrotechnical Division of the Canadian Society for Civil Engineering (CSCE) and the Vice-Chair of the Coastal and Maritime Hydraulics Committee of the International Association of Hydro-Environment Engineering and Research (IAHR).

Ioan Nistor obtained his PhD in Coastal Engineering from Yokohama National University, Japan, and presently conducts research focusing on the impact and hazards associated with extreme hydrodynamic loading on infrastructure: tsunamis, wave forces on structures and dam-break occurrence and impacts.

Professor Nistor is the winner of several research and teaching awards: 2010 Excellence in Education Award of the University of Ottawa; 2010 Award of the Tsunami International Society; 2009 “John V. Marsh” Teaching Award of the Faculty of Engineering; 2007 Leonardo Award of the Association of Consulting Engineers of Quebec, Canada, 2005 Ontario Ministry for Infrastructure Renewal.

## **Dr. Futoshi Ohyama**



Junior Associate Professor

Tokai University School of Health Science

Member of : Japan Disaster Relief Team (JDR) & JDR Medical & JDR Rescue Medical  
Activity history

1992-2002 Emergency Nurse ,Flight Nurse (Tokai UNV Hospital Emergency Dept.)

2004 Nigata Thuetu Earthquake (Japan)

2008 China Sichuan Earthquake (JDR Medical)

2009 Indonesia Padang Earthquake (JDR Rescue )

2011 New Zealand Earthquake(JDR Rescue )

## **Dr. Kenji Fukushima**



Assistant Professor

Department of Emergency and Critical Care Medicine, Saitama Medical Center,  
Assistant Professor

Asahikawa medical college graduation in 1992

speciality : Orthopedic trauma surgery

I have engaged in disaster medical care from 1998.

Patient care (1998) Tokai-muraaccident neutron exposure

Participated in the Japan Disaster Relief Team was sent in 2003 Algeria earthquake, Iran earthquake in 2003, Pakistan earthquake in 2005, to New Zealand earthquake of 2011.

## Dr. Mark Schwartz



Mark Schwartz, Associate Professor and Area Coordinator Law, Governance & Ethics  
School of Administrative Studies, Faculty of Liberal Arts and Professional Studies  
York University, 4700 Keele Street, Toronto, Ontario M3J 1P3 CANADA  
Phone: 416-736-2100 (ext.20124), Fax: 416-736-5963, E-mail: [schwartz@yorku.ca](mailto:schwartz@yorku.ca)

Mark Schwartz is an Associate Professor and the Area Coordinator of the Law, Governance, and Ethics Area at the School of Administrative Studies, York University. Mark has a law degree from Osgoode Hall Law School, an MBA from the Schulich School of Business, and a PhD in business ethics also from Schulich. Mark has taught business ethics, corporate social responsibility, sustainability, and business law at a number of academic institutions around the world including: the Schulich School of Business, Tel Aviv University, Bar Ilan University, the Interdisciplinary Center Herzliya, Dalhousie University, and the Wharton School of the University of Pennsylvania. Mark has published in such journals as the *Journal of Business Ethics*, *Business Ethics Quarterly*, and *Business & Society*. His most recent book is entitled *Corporate Social Responsibility: An Ethical Approach*, published by Broadview Press. Mark has been quoted in various media outlets and has given guest lectures around the world discussing business ethics related topics.



**Dr. Hossam Elsharkawi**



**Director, Emergencies and Recovery  
Canadian Red Cross**

Email: [Hossam.elsharkawi@redcross.ca](mailto:Hossam.elsharkawi@redcross.ca)

Hossam Elsharkawi is currently serving as the Director for International Emergencies and Recovery for the Canadian Red Cross, based in Ottawa. He directs emergency response to global disasters and has led many response operations.

For the past 22 years, Hossam has been involved in the humanitarian emergencies field with a focus on response and health in emergencies. He has worked in both conflict situations and catastrophic natural disasters in over 30 countries. As part of this work, Hossam has led disaster response teams and/or set up hospitals in most major disasters and conflicts over the past 15 years.

Following the March 11, 2011 earthquake and tsunami in Japan, Hossam coordinated the Canadian Red Cross support of Japanese Red Cross response efforts and visited Japan in November of 2011 in support the Japanese Red Cross recovery efforts.

Born in Kuwait, Hossam grew up in St. Albert, Alberta. He has a Bachelor of Science degree from the University of Alberta, a Certificate in Health Management from the Harvard School of Public Health in Boston, and a PhD in Health Management from City University in London, England.

## **Frédéric Deschênes and Peter Bundy**

**Frédéric Deschênes** and **Peter Bundy** work for the Humanitarian Affairs and Disaster Response Unit at Foreign Affairs and International Trade Canada (DFAIT). Their office is responsible to coordinate overall Government of Canada responses to natural disasters abroad. Frédéric has been a Senior Advisor with DFAIT's Disaster Response Unit for two and a half years, including during Canada's response to the Great East Japan Earthquake. Peter joined the Unit half a year ago as an Advisor, including for Asia. Both are career foreign service officers.

## **Heather Leson**



### **Director Community of Engagement**

Heather Leson has a diverse technical background and experience in digital response and open source communities. She brings a passion for community building and idea hacking to her role as Director Community Engagement at Ushahidi. With a formal education in politics and library information technology, she has over 10 years of experience in technical incident management, software life cycle development, customer care and communications in Internet technologies.

A leader within open communities, including Random Hacks of Kindness and CrisisCommons, Heather is the organizer of numerous successful unconference and hackathon events. Bridging information and people inspires her. She enjoys sharing stories about tech super heroes on her blog [textontechs.com](http://textontechs.com). Always interested in hearing from members of the Ushahidi community, reach out to Heather at: [hleson@ushahidi.com](mailto:hleson@ushahidi.com) and [@heatherleson](https://twitter.com/heatherleson).

Amber Hildebrandt



## **CBC Online Journalist**

### *Specialties*

Live blogging, photography, feature writing, multimedia packages, coordinating with TV/radio on large projects.

### **Experience**

#### **Online Producer/Reporter**

#### **CBC**

December 2004 – Present (7 years 4 months)

- \*Filing for live blogs in the field and producing in-house.
- \*Writing in depths and features on wide range of topics, from Justin Bieber and Oprah to Afghanistan.
- \*Producing and writing investigative stories for online.
- \*Photography and producing galleries.
- \*Finding innovative ways to integrate across media platforms.
- \*Liaising with TV and radio on major rollouts.

Highlights include:

- \*Japan's earthquake and nuclear disaster: Live blog, in-depth features based on extensive knowledge of the country, photo galleries and news stories.
- \*Fifth anniversary of Hurricane Katrina: news story, photo gallery, food blog and feature.
- \*Trial of sadosexual serial killer Russell Williams: Live blogging and feeding online news stories.
- \*Haiti's cholera epidemic and Nov. 28 election in Haiti: live blog, features, news stories and photo galleries. Also acted as producer for additional content by foreign correspondents.
- \*Funeral of Sgt. Ryan Russell, the Toronto officer killed by a snowplow: Live blogged procession and funeral, and created a photo gallery featuring people attending the funeral.

## **Martin Schwerdtfeger**



Senior Economist, TD Bank Financial Group

Based in Toronto, Martin Schwerdtfeger joined the Economics department at TD Bank Financial Group in March 2010. Prior to joining TD Bank Financial Group, Martin worked with IHS Global Insight doing macroeconomic forecasts and analysis for Latin American economies. He holds a B.Sc. degree in Economics from the University of Buenos Aires and an M.A. degree in Economics from Duke University. As a senior economist, Martin's chief responsibilities include analyzing and forecasting the global economy. Martin also contributes regularly to a wide variety of TD publications and provides frequent economic commentary to the media.

## Crystal Penner



Program Manager - Humanitarian & Emergency Affairs, World Vision Canada

### Current

- Program Manager for Asia & Latin American & the Caribbean, HEA at [World Vision Canada](#)

### Past

- Program Manager, HEA at [World Vision](#)

### Education

- Providence College, Otterburne, Manitoba
- Wilfrid Laurier University

## Harris Ali



Associate Professor

*BA Hons, MA (Sociology) McMaster, BEng (Materials Engineering) McMaster, PhD (Sociology) McMaster*

S. Harris Ali is an Associate Professor at the Faculty of Environmental Studies at York University, Toronto, Ontario, Canada. His research interests involve the study of environmental health issues and the sociology of disasters and risk from an interdisciplinary perspective. He has published on toxic contamination events and disease outbreaks in such journals as: *Social Problems*, *Social Science and Medicine*; *Canadian Review of Sociology and Anthropology*; and *Journal of Canadian Public Policy*.

## Dr. David V.J. Bell



*Director, York Centre for Applied Sustainability and Professor, Faculty of Environmental Studies, York University*

*BA (York/Toronto); AM (Harvard); PhD (Harvard)*

David Bell is interested in the Politics of Sustainability -- the transformation in political practices, policies, institutions and culture that will be necessary to support sustainability in the twenty-first century.

A political scientist by training, David served as Dean of the Faculty of Graduate Studies (1981-87) and Dean of the Faculty of Environmental Studies from 1992-1996 at York University. He is currently Professor in Environmental Studies and Director of the York Centre for Applied Sustainability (YCAS).

David has taught courses on Sustainable Development in Canada, Political Linguistics, Canadian Political Culture, and Environmental Politics. David has published widely in the areas of Environmental Politics and Sustainability, Political Linguistics, and Canadian Political Culture.

David served on the Environmental Task Force of the City of Toronto (1998 – 2000); and on the York University Sustainability Task Force (2000-2001); and is a member of the Toronto Sustainability Round Table for whom he chairs the Governance Working Group

David is also a Director of Learning for a Sustainable Future (LSF) and Chair of the Advisory Committee of Learning for a Sustainable Future – Ontario (LSFO); Chair of the Technical Advisory Committee of the Voluntary Challenge and Registry Inc; and a Director of Parc-Downsview-Park. He served for the Minister of Environment (Ontario) as Chair/facilitator of the Expert Panel on the Taro East Landfill, which released its Final Report in October, 2000.

David has worked with a number of departments and agencies of the Government of Canada, including the Commissioner of the Environment and Sustainable Development, NRCan, Environment Canada, and National Round Table on Environment and Economy.

David was the writer and host of a series of 12 one hour radio broadcasts for the Open College (91.1FM Toronto) entitled "Sustainability: Canadian and Global Perspectives" that has been broadcast four times in Canada and once internationally by shortwave from Radio for Peace International in Costa Rica. The entire series is available in Real Audio on the internet at the YCAS website: [www.yorku.ca/ycas](http://www.yorku.ca/ycas).

## **Franklin J. McDonald**

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Franklin McDonald an Engineering Geologist and Graduate of the University of the West Indies and Leeds University has been active for several decades in Caribbean and Global programmes related to Hazard Assessment, Risk Reduction, Natural Resource Management and Environmental Conservation. He has headed Jamaica's focal points dealing with Earth / Geological Science; Disaster Management; and Environmental Conservation. He was a member of the Pan Caribbean Disaster Preparedness and Prevention Project (PCDPPP) team and served on the UN Group which conceptualised and promoted the International Decade for Natural Disaster Reduction (IDNDR)

Since retiring from the Jamaican public service in 2004, he has been involved with several capacity building initiatives in the Wider Caribbean. These include efforts to strengthen the UWI Institute for Sustainable Development, and improving coordination of natural resource / coastal / marine area management through the UNEP Caribbean Environment Programmes Regional Coordinating Unit (CEP/RCU).

He is currently an elected Partner of the Caribbean Natural Resources Institute (CANARI), a Director of PANOS Caribbean, and (since 2011) a Visiting Scholar at York University attached to the Disaster / Emergency Management Programme, School of Administrative Studies (Atkinson Faculty of Liberal & Professional Studies).