



## WELCOME MESSAGES



### **Carlos Ventura**

President

Canadian Association for Earthquake Engineering

L'Association canadienne du génie parasismique

On behalf of the Canadian Association for Earthquake Engineering/L'Association canadienne du génie parasismique and the local Organising Committee, I would like to welcome you to beautiful Victoria, British Columbia, Canada for the 11th Canadian Conference on Earthquake Engineering from 21-24 July 2015. I am also very pleased to extend our deepest and most thankful recognition to the Organizing Committee, for their dedicated efforts to make this event a significant accomplishment in our common endeavor for the advancement of scientific knowledge and engineering methods aimed at reducing seismic risk around the world.

Our conference theme is "Facing Seismic Risk." The conference theme recognizes that seismic risk reduction is a multifaceted task, one that brings earthquake engineers, seismologists, social scientists, government authorities and others together to address issues that concern both new and existing infrastructure, seismology, social and economic aspects, as well as earthquake preparedness, relief efforts and post-disaster planning. This Conference will bring together practitioners, researchers and educators from around the world who are engaged in earthquake engineering. The Organizing Committee has planned an inspirational program in true Canadian tradition. The sessions that have been developed encompass seismic hazards, engineering, societal planning and response, facility performance, and codes and standards. As well, these sessions have been complemented by special sessions on relevant topics of interest to the attendees, and by exciting training courses about new developments in seismic design codes, seismic protection technologies and seismic monitoring of structures.

We expect that the 11th CCEE will provide professional benefits and lasting relationships for all participants. We also expect that it will serve to identify topics of cooperation that will help CAEE to fulfill its mission of promoting the interchange of information and technical cooperation. Above all, I hope it will contribute to create and strengthen our human and professional ties in our struggle for seismic safety in Canada and elsewhere in the world.

Best wishes for a very enjoyable and rewarding conference!



**Sharlie Huffman**

11CCEE Chair

It is our pleasure to welcome you all to Victoria, British Columbia, our provincial capital and the traditional territory of the Songhees Nation to participate in the 11th Canadian Conference on Earthquake Engineering. Victoria is known as the City of Gardens. It is also most suitable for our theme this year of “Facing Seismic Risk” as, with its vulnerability to three levels of earthquake, it is very representative of the challenges and risks of seismic event.

The conference has papers of international scope covering seismic hazard and risk, codes and design issues, geotechnical and ground motion, structural response, active and passive control, tsunami, retrofit and instrumentation. There are two full day and two half-day training courses, design guidance for Isolation and Damping, the seismic provisions of the 2015 National Building Code of Canada, the Performance-based design guide to meet the new seismic requirements of S6-14 the Canadian Highway Bridge Design code, and Operational Modal Analysis. There are also special sessions on FRP reinforcement, Operational and Functional Components, BC School Retrofit Program, Seismic Risk, CSRN research and visit the leading seismic exhibitors booths. The conference brings participants from 30 countries to share advances in knowledge and state-of-the-art practices, network with old and new colleagues and stimulate interest and opportunities for the future.

We acknowledge and thank the organizing and technical committees and the hours of volunteer time so many have contributed to make this conference a success. The conference would not be possible without the support of our generous sponsors and our sponsoring organization, the Canadian Association for Earthquake Engineering. We also thank the people of the Songhees Nation for sharing this beautiful area with us all. Victoria is an exciting and beautiful city, not too big, not too small – just right. Please enjoy our city and all its amenities along with the conference.