



# Newsletter

## System Safety Society

### Eastern Canada Chapter



“Professionals Dedicated to the Safety of Systems, Products and Services”

<http://www.system-safety.org>

<http://www.russona.com/ECC-SSS>

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#### Message from the President

It's January 2006 and a very Happy New Year to all! January is a good time to plan the things that we would like to accomplish in the next year and beyond. We can remember past accomplishments and look forward to the opportunities before us.

But first, please let me express my appreciation to all those who have worked so hard to organize events and also to those who have attended.

Our first year was a very good one. We had several noon hour presentations at the Ottawa Public Library that were very educational and well attended. The half day event in May 2005 at the RCAF Officers' Mess was a great success. We are just now beginning discussions regarding whether we might be able to deliver a similar event again in May 2006. The conference in August in San Diego was filled with interesting papers, tutorials and panels as well as being a great opportunity for renewing friendships and seeing some of San Diego. The conference next year in Albuquerque, New Mexico promises to be a great success as well.

On behalf of the local chapter, I invite you to participate in all the System Safety events organized by the local Eastern Canada Chapter; either by attending a presentation or by making a presentation yourself.

## Highlights of ISSC 23 in San Diego, California:

- Terry Kelly organized all the speakers for ISSC 23.



- Heather Henderson presented a paper on **Safety Management Training**.
- Canadians who attended the ISSC23 included Bill Lee (NC), Heather Henderson (NC), Bob Fletcher (NC), Raj Rao (TC), Terry Kelly (SMS), Bill Irvine (DND), Jeffrey Joyce (CSL), Matthew Raymond (TSB), Chris Morrow (TSB), and Leonard MacLean, Dalhousie University. A paper entitled “**Systems Reliability and Maintenance**” by Leonard MacLean and Alex Richman was presented.
- Bob Fletcher served as a Session Chair.
- Bob Fletcher attended the meeting of the System Safety Society Executive Council. The 2004-2005 ECC Annual Report was presented at ISSC23.
- The spousal programme was enjoyed by Susan Kelly, Vicki Einarsson, and Joan Fletcher.
- A great time was had by all. There was an excellent venue of technical paper presentations, panels and tutorials. The social programme with the dinner and cruise on the Hornblower on San Diego bay, the Awards Dinner, dinner in the GasLamp district, etc. was most enjoyable. Everyone is encouraged to attend the international conference next year in Albuquerque, New Mexico.

## Another International System Safety Conference in Canada!

- Would you believe it!!! There is talk of wanting to have another conference in Canada; possibly, Vancouver, Banff, Calgary, Halifax or Whistler, etc.. Please stay tuned or possibly contact one the executive to volunteer to assist in some way.

### Some steps for getting ready for attending an ISSC conference:

- Start thinking about technical papers for next year’s 24<sup>th</sup> ISSC in Albuquerque, New Mexico. The deadline for abstracts is **31 Jan. 06**.
- Review the Chicago Manual of Style for proper format of ISSC papers.
- People attending an ISS conference need to check-out the System Safety website <http://www.system-safety.org> and then the Eastern Chapter Chapter link <http://www.russona.com/ECC-SSS> before registering.



## The May 2005 Event



**Dr. Ann Lindeis, Program Chair is shown with Dr. Kim Vicente following his presentation.**

In May 2005, a special event was held at the RCAF Officers’ Mess with Dr. Kim Vicente; Professor of Engineering, University of Toronto as our Keynote Speaker. This well known professor presented a very interesting paper entitled; “**Engineering Design: Bridging the Gap Between People and Technology**”.



**Mr. Merlin Preuss, Director General, Civil Aviation, Transport Canada is shown receiving a gift following his Introductory Remarks at the May 05 event.**



**Mr. André Fillion after his presentation.**

At the May Event, Mr. André Fillion, Director Technical Airworthiness / Aerospace Engineering Support (DTA/AES), Department of National Defence; presented a paper entitled; **“Technical Airworthiness in Canadian Military Aviation”**.



**Mr. Bob Wojcik after his presentation.**

Mr. Bob Wojcik, Director, Airworthiness and Aircraft Installations, Air and Naval Systems, General Dynamics Canada gave a presentation on **“Safety Engineering at General Dynamics Canada”**.

**Other presentation events that have been hosted by the ECC include:**

"Look What They've Done to My Song, Ma: Future Challenges in System Safety", Terry Kelly, President, SMS Aviation Safety, 12 November 2003

"The Irony of Organizational Barriers to Safety Management" with Maury Hill from the Transportation Safety Board, 30 April 2004,

"System Safety and Airline Pilots: An ALPA Perspective" with Captain Rick Clarke and Mr. Jim Stewart, 11 June 2004,

"Measuring Safety Performance, A Practical Approach" from Safety Projects International, Inc. by Bill Pomfret, 17 September 2004,

"Task Analysis: A Foundation for Safety" with Jon Stuart, PhD, 19 November 2004,

"A System Safety Presentation" by Kathy Fox, Vice President – Operations, NAV CANADA. This presentation used a re-creation of the mid-air collision over Constance Lake, Germany in July 2002 and Reason's model to identify some of the issues that contributed to this accident, as well as lessons learned from the perspective of NAV CANADA, January 14, 2005,

"Accident Investigation Without The Accident" with Mr. Michael Poole, P.Eng., Flightscape Inc., 11 March, 2005

"Safety Within Healthcare" with Alan Forster, M.D., FRCPC, M.Sc., 22 April, 2005. The presentations at the Ottawa Public Library (OPL) have been our main activity. This fall Dr. Alex Richman presented a paper on the subject; **“Automated Risk and Trend Assessment for Aviation Safety Management Systems”**. The event was well attended with over 30 people from a variety of organizations.

On 28 October Mr. Douglas Mein presented a paper entitled; **A Framework for the Evaluation of Safety Performance**. Mr. Mein was employed by Transport Canada for over 33 years. He recently retired from the department following 8 years as Director of the ANS & Airspace Branch where he was accountable for the safety oversight and regulation of

NAV CANADA's operational activities. The presentation was well received. It generated lively discussion amongst the attendees. Of particular interest is the discussion regarding how these ideas may be helpful in other regulatory environments and in particular within a *Health Care* environment.

**Presentation 27 January 2006:** Mr. Terry Kelly, will make a presentation entitled; **“And Now for Something Completely Different...”** on 27 January 2006 in the Ottawa Public Library; registration starting at 11:45 AM.

**Patient Safety:** The ECC sponsored the **Patient Safety** workshop in Vancouver in November 2005.

**Collaboration with other societies:** Collaboration with other societies was initiated. Bob Fletcher has agreed to do a joint presentation for the Society of Reliability Engineers (SRE) on Tuesday, 28 March 2006, at 6:30 PM.

Sessions by the CAPCHI and Ottawa Ergonomics Group have been attended by members of the ECC.

Associations and organizations in the Ottawa area that have been invited to attend ECC presentations include PEO, PMI, AECL, OCRI, IEEE, DND, RCMP, Lockheed Martin, General Dynamics, U of Ottawa, Carleton University, National Research Council, Ontario Association of Certified Engineering Technicians and Technologists (OACETT), Ontario Society of Professional Engineers (OSPE), USN Postgraduate School Ottawa Alumni, and others.