THE AUDIO ENGINEERING SOCIETY

BULLETIN

www.torontoaes.org

Tour

CAE Flight Simulation
Steve Bourgon, Air Canada Flight Training Centre
Ian Robin, Gennum Corporation

Date: **Tuesday June 28th, 2005**
Time: **7:30 pm**
Where: Air Canada Flight Training Centre, 6470 Airport Rd., Malton, ON

Registration: Please email torontoaes@torontoaes.org to let us know if you are coming as **only registered guests can clear security**. Pre-registered Members will be given priority.

Directions: On the west side of Airport Rd., north of the Air Canada Hangars, opposite the Fuji building. For a map go to: http://maps.google.com/maps and key in the full address. There is free parking in front of the building.

Steve Bourgon of Air Canada Flight Training Centre will host a tour of their facilities, including a 15 min CAE Simulator "flight" for each pre-registered attendee, a video presentation on Flight Simulator Training, a power point presentation on simulator programming and discussion of how audio and visual cues are used to enhance the realism in flight simulator design and in training.

Ian Robin of Gennum will do a presentation on his background writing software for avionics (controls and control surfaces) and engines (response, behaviour) and discuss his experiences from a manufacturer viewpoint.

Each attendee will need to sign a waiver to go on the Simulator "flight". **"Motion Sickness Warning"** You are encouraged to eat lightly before the meeting or bring Gravol. If you do not feel up to a full motion ride advise us and we can arrange a "no motion flight"

After all "flights" and tours are completed we will have a "light" version of our year-end social.

P L E A S E   P O S T   -   M E M B E R S   A N D   G U E S T S   W E L C O M E

About this month's presenters…

Steven Bourgon
Air Canada Flight Simulation Duty Operations Manager

Steve began his Simulator Career working on the Aurora Operations Mission Simulator in Greenwood N.S. in the Military, in 1982. After 2 years, he did taught avionic maintenance at the CF Aerospace Technology and Engineering School in Borden, ON.

He joined Air Canada in May 1990 as a Flight Simulator Technician/Technologist which entailed doing all hardware and software troubleshooting and repair of the different Flight Simulators. After 12 years he was promoted to Duty Operations Manager which involves managing a crew of 6 technologists and also providing software integration and Quality Control of the Airbus Flight Simulator.

Ian Robin, P.Eng
Gennum Corporation

Ian Robin is currently a Business Development Manager in the Audio & Wireless Division of Burlington-based Gennum Corporation. He is involved in developing new business ventures that leverage Gennum's unique combination of ultra-low-power hi-fidelity audio technology, advanced chip packaging capability and Bluetooth® expertise. Prior to joining Gennum, Ian was a Senior Sales Specialist with IBM's Technology Group, specifically focused on selling IBM's leading-edge silicon solutions to customers across Canada. Interestingly, Ian actually started his career at Gennum as the IC Design Group's first Modeling Specialist, developing empirical and analytical semiconductor device models for SPICE circuit simulation.
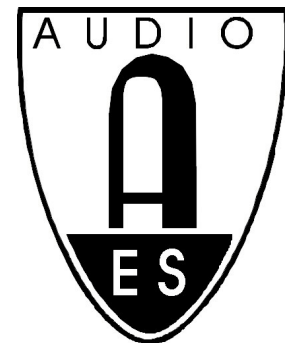
Ian is a dedicated aviation and spaceflight enthusiast. Early in his career, this interest spurred an engineering stint with CAE Electronics in Montreal. CAE Electronics develops flight simulation technology for both the civil aviation and military training markets. In his tenure with CAE, Ian was involved in aircraft simulation development for both the Engines and Avionics Groups. He is pleased to be able to share some of his behind the scenes knowledge of flight simulators with the AES membership.

Ian received his Bachelor of Applied Science in Electrical Engineering from the University of Waterloo in 1990, and is a member of Professional Engineers Ontario. He lives in Thornhill with his wife and two children.

NOMINATIONS for the 2005-2006 AES Toronto Section Executive

Chair: Robert Breen, OIART
Vice-Chair: Sy Potma, Acoust-FX
Recording Secretary: Jeff Bamford, Engineering Harmonics
Treasurer: Paul Reibling, Reibling Audio and Design
Membership Secretary: Mike Borlace
Marketing Coordinator: Keith Gordon, Gennum Corporation
Bulletin Editor: Earl McCluskie, Chestnut Hall Music
Committee Members: Peter Cook, CBC Records; Jim Cox, Garrick Filewod, School of Image Arts Ryerson University; Roman Klun, Innsbruck Records; Dan Mombourquette, DM Services; Rob Stevens, HGC Engineering

For bio info on the nominated committee members, goto www.torontoaes.org.