



**Ottawa
Section**



**Seminar by the IEEE Ottawa Reliability Society/Power Engineering Society Chapters,
Educational Activities, and Algonquin College Student Branch**

The IEEE Ottawa Section is inviting all interested IEEE members and other engineers, technologists, and students to a seminar on software verification and certification.

Software in Safety-Critical Aeronautical Products

by

Branimir Dulic, P.Eng.

Aircraft Certification Branch, Transport Canada, Ottawa

DATE: Wednesday, November 1, 2006.

TIME: 6:00 p.m. Refreshments, Registration and Networking; 6:30 – 8:00 p.m. Seminar.

PLACE: National Research Council, 1200 Montreal Road, Building M-50, Room 115.

PARKING: No parking fee. Please respect restricted areas.

Abstract When certifying an aircraft type, the transportation authorities have to ensure that the equipment installed is designed to perform its intended functions. The aircraft equipment often contains embedded software, whose malfunctioning may prevent the equipment to perform those functions properly. To reduce the likelihood of software related problems, the critical software to be used on-board of an aircraft has to be verified adequately.

This presentation will highlight the underlining principles of the most frequently used guideline, RTCA/DO-178 B. Q & A period and discussion will conclude the session.

Branimir Dulic is a Senior Engineer in Transport Canada, Aircraft Certification Branch. He is responsible for Electronic Equipment Design Assurance. Before working in Aircraft Certification Branch, Mr. Dulic was employed by Nortel Networks, where he was in charge of the software in-field problems. Regarding the rest of his career, it is worth mentioning that he was Superintendent Technology Assessment in Transport Canada investigating microburst and wake vortex detection and prediction technologies, and that he also developed Computer Simulation Models based on Operations Research Principles while working at Toronto International Airport (LBPIA). He holds Dipl. Ing. Degree from the Department of Transportation, University of Belgrade, Serbia.

Mr. Dulic is a registered Professional Engineer in the Province of Ontario.

Admission: Free. Registration is **required** for security reasons.

To ensure a seat, please register by e-mail:

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