

**THE CONCORDIA INSTITUTE FOR INFORMATION SYSTEMS ENGINEERING
IS PLEASED TO PRESENT THE FOLLOWING GUEST LECTURE IN
OUR CIISE DISTINGUISHED SEMINAR SERIES**

Dr. Witold Suryn, Professor

Engineering School
ÉTS Montreal

Software Quality Engineering and Software Trustworthiness

With IT market growing exponentially every year and the quantity of information processed hitting 1000 exabytes in 2010, the quality and trustworthiness of software move from the position of specialized research subjects to a primary market and technology concerns. In its first part the talk will cover software quality engineering in its theoretical and practical dimensions, with the accent on the implementation model (SQEIM), change and conflict management, and financial constraints and ramifications. Further on, as the extension of software quality engineering, trustworthiness measurement and evaluation will be discussed. The second part of the talk will cover the existing scientific and practical approaches as well as the new, innovative trustworthiness measurement and evaluation methodology based on Finite State Machine and ISO 14598 series of standards.

Biography: Dr. Witold Suryn is the Professor at the École de technologie supérieure, Montreal, Canada (engineering school of the Université du Québec network of institutions) where he teaches graduate and undergraduate software engineering courses and conducts research in the domain of software quality engineering, software trustworthiness and software project management. Dr. Suryn is also the principal researcher and the director of GELOG : IQUAL, the Software Quality Engineering Research Group at École de technologie supérieure. From 1998 Dr. Suryn is the Canadian expert to ISO/IEC SC7 – System and Software Engineering Working Group 6 on software quality. In October 2003 Dr. Suryn took over the position of the International Secretary of ISO/IEC SC7.

Thursday, March 10, 2011

16:00 – 17:00

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