Implementing Large-Scale Systems Using COTS Software,
Mark R. Vigder & John C. Dean

The purpose of this tutorial is to identify some of the issues associated with the use of commercial off-the-shelf (COTS) software in long-lived complex computer systems, and describe tools and techniques in acquiring, developing and managing such systems. The tutorial length is one half day. The lecturers' expertise spans a wide range of COTS software issues from research to component development to acquisition and management. The discussions will focus on the practical aspects of management and implementation of these systems. The course is applicable to researchers, developers and managers.

Dr. Mark R. Vigder

Mark Vigder has been involved in developing software systems for over 20 years. During that time, he has worked with software as a practitioner, a teacher, and a researcher. He is currently a Research Officer with the National Research Council of Canada where he is exploring issues related to the development and management of long-lived, component based software systems. He has published a number of technical papers and provided tutorials on the architecture of these systems. Previous to his work at NRC he has worked on the design and development of numerous systems, including operating systems, application level communication protocols, and information systems. Dr. Vigder received his Bachelors of Science degree in mathematics from Queen's University, Kingston, Ontario, and his Masters of Engineering and Ph.D from Carleton University, Ottawa. Contact: Mark.Vigder@nrc.ca

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John Dean is an Associate Research Officer in the Software Engineering Group of the Institute of Information Technology, National Research Council of Canada, located in Ottawa, Ontario. He currently serves on the Advisory Committee of the Computer Science Department of Algonquin College of Applied Arts and Technology where he teaches Software Engineering. During his 22-year military career he has developed real-time software and Configuration Management systems for the Canadian Armed Forces. John has extensive experience in Real-time systems development, Software Engineering, Project Management and Configuration Management. Since joining the Software Engineering Group his interests include COTS software issues and Software Engineering education. John earned a B. Sc. (Honours Mathematics and Physics) from the Royal Military College of Canada in 1980 and a Master of Mathematics (Computer Science) from the University of Waterloo in 1982. He also graduated from the Canadian Forces School of Aerospace and Ordnance Engineering as an Aerospace Engineer. Contact: