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

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Behavioral Web Services: Design, Implementation and Verification

Web services and their compositions are highly focused-on topics of research. They are considerably expanding and being used for many purposes such as integrated enterprise applications, business-to-business collaborations and e-government systems. In this talk, I will discuss some design and specification issues of individual and composite web services, where two behavioral aspects are investigated: operational behavior and control behavior. The control behavior describes the typical behavior of an individual web service or a composition process. The purpose is to monitor and regulate the behavior of a typical web service or a typical composition scenario. However, the operational behavior, specific to each case study, illustrates the business logic that underpins the functioning of an individual/composite Web service. Soundness and completeness properties of web services regarding to the behavioral aspects will be presented and verification issues using model checking will be discussed.

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16:00 – 17:00

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