Faculty of Computer Science
2003-2004 Seminar Series

Qualitative Model Abstraction and Debugging for Model-based Diagnosis
By
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Wednesday, December 3rd, 2003
3:30 - 4:30pm
ITC317

Refreshments will be served at 3:20 p.m.
Model-based diagnosis (MBD) is matured to challenge
real-world applications. Building symbolic qualitative
models for systems is a crucial task and the starting
point of diagnostic tasks. This seminar introduces the
state of the art of MBD based on symbolic qualitative
models and my recent work in this domain. The model
abstraction problem is about how to build qualitative
models for complex engineering systems. Starting from
simulation model, we have solutions for both static and
dynamic systems, with or without known landmarks. The
model debugging problem is to verify the validation of
the produced qualitative model. My current work involves
designing a model debugger which can verify the results
from diagnosis engines.

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STUDENTS ARE ENCOURAGED TO ATTEND
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