



Southern Minnesota Section Newsletter

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University of Wisconsin - La Crosse to Offer Software Engineering Graduate Program

The Computer Science department at the University of Wisconsin-La Crosse is planning to introduce a new graduate program called Master's of Software Engineering (MSE).

This program is different from the traditional Master's program in Computer Science (MS or MCompSci) in the sense that the latter is usually geared towards theoretical computer science. While theory is important for advanced studies such as doctoral degrees and for research-oriented purposes, many industrial applications require more practical training and up-to-date knowledge of current software development techniques.

The MSE program at UW-L will focus mainly on practical aspects of software development. It is targeted towards software professionals who want to update their knowledge and skills in software development by learning state-of-the art technologies such as object-oriented software development, software verification and validation, user-interface design techniques, networks and parallel systems, and software metrics.

In addition to the course work, the program includes a major software development project. Problems for the project work will be chosen from real-world industrial applications, so that the MSE program will act as a technology transfer tool.

IEEE Section Meeting

Bruce Beukema & Del Cecchi, IBM Corp.

Infiniband™

Monday, September 18, 7:00 pm
Mayo Medical Sciences Building
(321 3rd Avenue SW, Rochester)

☞ Pizza & socializing at 6:30 pm ☜

Infiniband™ is a point-to-point, switched-fabric I/O architecture that is being developed jointly by IBM, Compaq, Dell, HP, Intel, Sun and Microsoft. It is intended for the enterprise computing system environment, with a special emphasis on achieving the levels of performance, reliability, scalability and serviceability that are required for the Internet-based workloads associated with this marketplace.

This presentation will describe the basic definitions, functions and characteristics of the Infiniband architecture. Examples of system configurations will be given to illustrate potential applications as well as to provide an overview of the functional elements. The various layers of the Infiniband protocol will also be described, with primary emphasis on the Infiniband physical, link and transport layers.

Bruce Beukema, a Senior Technical Staff Member at IBM Rochester, has been extensively involved in the design and architecture of I/O subsystems and high-speed interconnects for the AS/400 and RS/6000 systems. His most recent focus has been on the emerging Infiniband™ architecture. He is the IBM representative to the Infiniband Link Working Group.

Del Cecchi is a Senior Engineer in the Circuit Technology organization at IBM Rochester. He has extensive experience in the design and architecture of high-speed signaling circuits and networks. His present focus is on Infiniband architecture. He participates in the Infiniband Electro-Mechanical Working Group, and he is the editor of the High-Speed Signaling chapter of the Infiniband Specification.

UW-La Crosse Software Engineering Program

Information Session

David Riley and Kasi Periyasamy
Department of Computer Science
University of Wisconsin – La Crosse

Thursday, September 28, 7:00 pm
Rochester Public Library Auditorium

Drs. Riley and Periyasamy will explain the proposal for the new MSE program, describe its current status, and give an overview of the planned course offerings.

Professor Riley is chair of the UW-L Computer Science department. His main interests are software development techniques and programming languages. Dr. Periyasamy is an Associate Professor of Computer Science. His interests include software engineering and programming languages.

Plenty of free parking is available in the adjacent parking ramp.



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