

Conference Location

MICS 2012 will be hosted by the University of Northern Iowa (UNI) in Cedar Falls, Iowa. Events will occur entirely on the UNI campus.

Transportation & Accommodations

Cedar Falls is located in northeast Iowa about 200 miles south of Minneapolis/St. Paul on US-218/US-20/US-63. It is accessible via the Waterloo Regional Airport (ALO).

MICS 2012 has secured guaranteed rates at hotels located in Cedar Falls. To get the rates shown, you must make your reservations before March 12, 2012 and specify that you are with the MICS conference.

Property	Phone	Rate
Country Inn & Suites	319-268-1800	\$84.00
AmericInn	319-277-6166	\$69.99
Wingate by Wyndham	319-277-2400	\$99.90

Preliminary Conference Schedule

Friday, April 13th

10:30 AM – 3 PM	Registration
11:45 AM - 12:00 PM	Welcome & Opening Remarks
12:30 PM – 2:00 PM	Technical Session I
2:00 PM – 2:30 PM	Refreshment Break
2:30 PM – 4:00 PM	Technical Session II
12:30 PM – 4:30 PM	Career Fair
5:00 PM – 6:30 PM	Pizza Supper
5:00 PM – 7:00 PM	Robotics Contest
7:30 PM – 10:30 PM	Programming Contest

Saturday, April 14th

8:00 AM – 8:30 AM	Refreshments
8:30 AM – 10:00 AM	Technical Session III
10:00 AM – 10:30 AM	Refreshment Break
10:30 AM – 12:00 PM	Technical Session IV
8:30 AM – 12:00 PM	Career Fair
12:00 PM – 1:30 PM	Luncheon, Keynote Speaker and Awards



Midwest Instruction and Computing Symposium

April 13-14, 2012

CS Department
University of Northern Iowa
Cedar Falls, Iowa

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<http://www.micsymposium.org/mics2012>

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About MICS

The Midwest Instruction and Computing Symposium (MICS) is a regional conference dedicated to providing an educational experience to higher education participants. The conference focuses on integrating computer-based technology into teaching and learning processes of all disciplines, along with incorporating the study of this technology into the curriculum.

The Symposium was established in 1967, making it one of the nation's oldest conferences focusing on computer-related issues at smaller higher education institutions. MICS was formerly known as the Small College Computing Symposium.

For more information on the history and goals of MICS, see <http://www.micsymposium.org>.

Keynote

Dr. John McCormick is a Professor of Computer Science at the University of Northern Iowa since 1996. He is a senior member of ACM, SIGCSE, and SIGAda and an affiliate of the IEEE Computer Society. His interests are in the design and implementation of real-time and high integrity systems and the design of courses and laboratories to support teaching of these topics. His work has earned him several *Excellence in Teaching* awards and *Best Paper* awards, and resulted in several textbooks: *Building Parallel, Embedded, and Real-Time Applications with Ada (2011)* and *Ada Plus Data Structures: An Object-Oriented Approach (2nd Edition, 2007)*.



His keynote talk entitled "Trains, Planes, and Automobiles: The Need for Quality Embedded Systems Education" addresses the skills needed by computer science graduates to develop safe, reliable software for embedded systems, and his experiences developing a successful laboratory for a junior level course in real-time embedded software development based on a large model railroad.

Call for Participation

The MICS Program Committee invites you to submit a **paper, poster, demonstration, presentation, panel discussion topic, or nifty assignment** relevant to the MICS mission, which addresses the use of computers in instruction, instruction in computer science, integration of research, and student research. All submissions undergo thorough reviews by members of the program committee. Faculty and student sessions will run separately. Students may also participate in the programming and robotics competitions. All submissions require a 300-500 word abstract that must be submitted by January 31, 2012.

Papers

Papers must be relevant to the MICS mission, and paper abstracts must provide sufficient details to judge the submission. Student papers are strongly encouraged, and cash awards will be given for the best undergraduate and graduate student papers.

Poster/Software Demonstration

Posters and Software Demonstrations can be stand-alone or follow-up previous presentations.

Panel Discussions

Panel discussions provide different points of view and facilitate discussion on contemporary topics. To host a panel discussion, submit an abstract describing the topic and proposed panel members. Panel members are not necessarily expected to make formal presentations, but instead to facilitate discussion of the topic.

Nifty Assignments

Nifty Assignments provides a forum for sharing ideas and materials for interesting and provocative classroom assignments. Successful authors will be expected to submit a paper and provide a 20-minute conference presentation that describes the assignment and provides ready-to-use course materials.

Programming Contest

Student teams will compete against each other to solve interesting and challenging programming problems. Conference and contest registration is required and the number of accepted teams may be limited, so be sure to register early. Cash awards will be presented to the top teams at the Saturday lunch banquet.

Career Fair

Student registrants will have the opportunity to meet with representatives from companies and graduate programs throughout the region.

Robotics Contest

Student teams will build and program robots to compete against each other in a format to be determined. Conference and contest registration is required. Each team must be accompanied by a registered faculty coach who is willing to act as a contest coordinator or judge. Cash awards will be presented to the top teams at the Saturday lunch banquet.

Important Dates

Abstract submissions	Dec. 1, 2011 – Jan. 31, 2012
Acceptance notifications	Feb. 7, 2012
Final paper deadline	Mar. 16, 2012
Hotel registration deadline	Mar. 12, 2012
Early registration deadline	Mar. 12, 2012
Student contest registrations	Apr. 1, 2012
Conference dates	Apr. 13-14, 2012

Registration

To learn more about the conference, submit abstracts or papers, or register, visit the MICS 2012 Conference Web Site at:

<http://www.micsymposium.org/mics2012>

Rates:	By 3/12/2012	After 3/12/2012
Faculty	\$125	\$150
Students	\$ 35	\$ 50