

The 1999 SIGCSE Doctoral Consortium

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The 1999 SIGCSE Doctoral Consortium will take place on Wednesday, March 24, the day before the regular sessions of the Technical Symposium begin. The aims of the Doctoral Consortium are:

- To offer a friendly forum for students to discuss their work and receive constructive feedback.
- To offer relevant information on issues important to doctoral candidates.
- To nurture a community of researchers.

The consortium is designed for students currently enrolled in a Ph.D. program, at any stage of doctoral study. A particular invitation is extended to students studying part-time in conjunction with full-time teaching. The primary

focus of the consortium is on CS education research, although students in any area of computing are welcome to apply.

All participants in the Doctoral Consortium give short, critiqued presentations of their research ideas or ongoing research. Guest speakers, activities, and discussions provide opportunities to exchange ideas, to explore issues relevant to doctoral candidates, to discuss strategies for completion, and to prepare for the challenges of an effective career in higher education. A panel of experienced researchers participate in the consortium and contribute to the discussions.

Doctoral Consortium Participants:

Anne Gates Applin, <eaapplin@ocean.otr.usm.edu>
University of Southern Mississippi, USA
The application of language acquisition theory to programming concept instruction: Chunks versus programs from scratch

Anders Berglund, <Anders.Berglund@docs.uu.se>
Uppsala Universitet, Sweden
Knowledge creation in computer science in an international distributed environment

Christina Björkman, <Christina.Björkman@docs.uu.se>
Uppsala Universitet, Sweden
Project Q+: An action-oriented program for recruiting and retaining first year female students in Computer Science

Oliver Grillmeyer, <topramen@socrates.berkeley.edu>
University of California, Berkeley, USA
Animation used to explain Scheme functions

Martha L. Hause, <M.L.Hause@open.ac.uk>
The Open University, UK
Communication in remote group learning

J. Brian Hopkins, <bhopkins@ford.anglia.ac.uk>
Anglia Polytechnic University, UK
The role of critical and reflective thinking in the education and training of information systems practitioners

Duane J. Jarc, <jarc@felix.seas.gwu.edu>
The George Washington University, USA
Assessing the benefits of interactivity and the influence of learning styles on the effectiveness of algorithm animation using Web-based data structures courseware

Mary Last, <lastm@river.it.gvsu.edu>
Grand Valley State University, USA
Virtual teams in computing education

Mary-Anne K. Posenau, <mposenau@ycp.edu>
Penn State York, USA
Algorithms for high aspect-ratio oriented triangulation

Quan Tran, <ttsx19c@utdallas.edu>
The University of Texas at Dallas, USA
Educational middleware: Bridging software technology and education

Laurie Williams, <lwilliam@jensen.cs.utah.edu>
The University of Utah, USA
Architecting software increments

Bruce A. Wooley, <bwooley@cs.msstate.edu>
Mississippi State University, USA
Scaling clustering for the data mining step in knowledge discovery

