

Call for Participation:  
Summer School on Language-Based Techniques  
for Concurrent and Distributed Software

July 12–21, 2006

University of Oregon

Eugene, Oregon

<http://www.cs.uoregon.edu/activities/summerschool/summer06/>

**e-mail: [summerschool@cs.uoregon.edu](mailto:summerschool@cs.uoregon.edu)**

This Summer School will cover current research in language-based techniques for concurrent and distributed software, ranging from foundational materials on principles, logic and type systems to advanced techniques for analysis of concurrent software to the application of these ideas in practice.

Material will be presented at a tutorial level that will help graduate students and researchers from academia or industry understand the critical issues and open problems confronting the field. The course is open to anyone interested. Prerequisites are an elementary knowledge of logic and mathematics that is usually covered in undergraduate classes on discrete mathematics. Some knowledge of programming languages at the level provided by an undergraduate survey course will also be expected. Our primary target group is PhD students. We also expect attendance by faculty members who would like to conduct research on this topic or introduce new courses at their universities.

The program consists of more than thirty, 80 minute lectures presented by internationally recognized leaders in programming languages and security research. Topics include:

<b>Architectures for Concurrent Systems</b>	Sandhya Dwarkadas, <i>University of Rochester</i>
<b>Static Analysis for Concurrency</b>	Cormac Flanagan, <i>University of California, Santa Cruz</i>
<b>Design and Implementation of Concurrent Systems</b>	Matthew Flatt, <i>University of Utah</i>
<b>Concurrency in Practice for C</b>	Jeff Foster, <i>University of Maryland, College Park</i>
<b>Atomicity: Synchronization via Explicit Software Transactions</b>	Dan Grossman, <i>University of Washington</i>
<b>Language-Based Techniques for Distributed Systems</b>	Robert Harper, <i>Carnegie Mellon University</i>
<b>Making Concurrent Software Safer</b>	Michael Hicks, <i>University of Maryland, College Park</i>
<b>Language Design for Concurrency</b>	Charles Leiserson, <i>Massachusetts Institute of Technology</i>
<b>Software Model Checking</b>	Shaz Qadeer, <i>Microsoft Research</i>
<b>Type-Safe and Version-Safe Distributed Programming</b>	Peter Sewell, <i>University of Cambridge</i>

## Venue

The summer school will be held at the University of Oregon, located in the southern Willamette Valley city of Eugene, close to some of the world's most spectacular beaches, mountains, lakes and forests. On Sunday, July 16, students will have the option of participating in a group activity in Oregon's countryside.

## Registration

The cost for registration is \$200.00 (USD) for graduate students, and \$300.00 (USD) for other participants. Registration must be paid upon acceptance to the summer school, and is **non-refundable**. There are a limited number of grants available to fund part of the cost of student participation. If you are a graduate student and want to apply for grant money to cover your expenses, please also include a statement of your needs with your registration.

Additional information about the program, registration, venue, and housing options is available on the web site. Or, you may request more information by email.

To register for the Summer School, send a CV that includes a short description of your educational background and one letter of reference, unless you have already been granted a Ph.D. Please include your name, address and current academic status.

Send all registration materials to [summerschool@cs.uoregon.edu](mailto:summerschool@cs.uoregon.edu)

All registration materials should be delivered to the program by March 15, 2006. Materials received after the closing date will be evaluated on a space available basis. Non U.S. citizens should begin immediately to obtain travel documents.

## Housing

The school will provide on-campus housing and meals. To share a room with another student attending the school, the cost is \$460.00 (USD) per person. Housing rates are based on check-in Wednesday, July 12 and check-out before noon on Saturday, July 22. Some single rooms may be available for an additional fee of \$130.00 (USD). If you'd like a single room, please indicate your choice and we will try to accommodate you on a first-come/first-served basis.

## Organizers

**Organizing committee:** Jeff Foster, Dan Grossman, and Zena Ariola

**Sponsors:** ACM SIGPLAN