

Barbara Liskov

Barbara Liskov is an Institute Professor at MIT and also Associate Provost for Faculty Equity. She is a member of the National Academy of Engineering, a fellow of the American Academy of Arts and Sciences and a fellow of the ACM. She received the ACM Turing Award in 2009, the ACM SIGPLAN Programming Language Achievement Award in 2008, the IEEE Von Neumann medal in 2004, a lifetime achievement award from the Society of Women Engineers in 1996 and in 2003 was named one of the 50 most important women in science by Discover Magazine. Her research interests include distributed systems, replication algorithms to provide fault-tolerance, programming methodology and programming languages. Her current research projects include Byzantine-fault-tolerant storage systems, peer-to-peer computing and support for automatic deployment of software upgrades in large-scale distributed systems.



UNIVERSITY of WISCONSIN
LA CROSSE

Distinguished Lecture Series in Computer Science

Reservations are due Oct. 28, 2009.

Lectures

Symposium

The Power of Abstraction

Abstraction is at the center of much work in Computer Science. It encompasses finding the right interface for a system as well as finding an effective design for a system implementation. Furthermore, abstraction is an important way to make progress within computer science: once the right abstraction has been defined, it allows previously unresolved problems to be ignored from then on and provides a building block for future work. This talk will discuss abstraction mechanisms, their support in programming languages, and their use in designing and implementing programs.

Keynote

Security of Internet Storage

Today more and more information is being stored on the Internet. Internet storage is desirable for a number of reasons. For example, it can enable sharing of information such as medical records among different medical facilities. Also, it can benefit individuals by allowing them to offload various housekeeping operations such as managing backups and archives. However, Internet storage also introduces a number of security issues. Among these issues is concern for reliable storage so that users can access information 24/7 and need not fear that information will be lost. Reliability can be achieved through replication, in which information is stored at more than one computer. This talk will discuss the problems that arise in replicating data and describe techniques that can be used to solve these problems.

The University of Wisconsin-La Crosse Distinguished Lecture Series in Computer Science is funded by private gifts to the UW-La Crosse Foundation Inc. and through support from the Department of Computer Science and the College of Science and Health. The purpose of the series is to bring to La Crosse each year a computer scientist whose significant accomplishments and communication skills can inspire and enrich the careers of students and faculty and the computer community in general.

UW-L is one of 13 four-year campuses of the UW System. The university offers a broad range of undergraduate majors and master's level programs in selected disciplines. Current enrollment is about 9,200 students with approximately 150 computer science majors. La Crosse is located in western Wisconsin on the Mississippi River. It is on direct transportation routes between Chicago, Milwaukee, Madison and Minneapolis-St. Paul. It is served by Amtrak (Chicago, Milwaukee and St. Paul line) and numerous bus lines. Scenic secondary roads and highways (I-90 in particular) connect La Crosse with Chicago, Milwaukee, Madison, Rochester and the Twin Cities. American Eagle and Northwest Airlines provide regular passenger service to major midwestern air terminals.

UNIVERSITY of WISCONSIN
LA CROSSE

Distinguished Lecture Series in Computer Science

Make Lecture Series reservations for:

Name _____

Title _____

Organization _____

Address _____

City _____ State _____ Zip _____

E-mail _____

Business Phone (_____) _____ - _____

Check events attending:

Keynote Lecture

Reception

Symposium

Other participants from your organization:

Name _____

Title _____

Name _____

Title _____

Reservations are due Oct. 28, 2009.

Detach this card and send registration to:

UW-L Foundation

Cleary Alumni & Friends Center

615 East Ave. N.

La Crosse, WI 54601

608.785.6803

Fax 608.785.6868

E-mail: olsen.nata@uwlax.edu

Monday, Nov. 2 2009

10:30 a.m. Registration
337 Cartwright Center
UW-L Campus

11 a.m. Symposium
The Power of Abstraction

4:30 p.m. Registration
260 Graff Main Hall
UW-L Campus

5 p.m. Keynote
Security of Internet
Storage

All events are open to the public but we suggest you reserve a place by registering in advance using the form attached.

For further information contact:

Steve Senger, Ph.D.

Computer Science Department

University of Wisconsin-La Crosse

1725 State St.

La Crosse, WI 54601

608.785.6805

E-mail: compsci@uwlax.edu

UNIVERSITY of WISCONSIN
LA CROSSE

Distinguished Lecture Series in Computer Science

Monday, Nov. 2, 2009

 UW-La Crosse Campus



Barbara Liskov

Institute Professor at MIT and
Associate Provost for Faculty Equity

Co-sponsored by the
University of Wisconsin-La Crosse Foundation Inc.,
Department of Computer Science
College of Science and Health