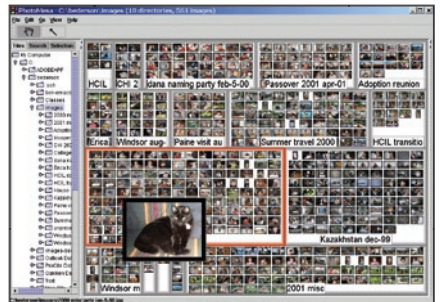


Industrial Affiliates Program



Introducing the UMIACS/CS Industrial Affiliates Program

The University of Maryland Institute for Advanced Computer Studies (UMIACS) and the Department of Computer Science (CS) seek to develop closer relationships with information and computing technology companies to promote their common interests. We anticipate cooperation in guiding the research directions of UMIACS/CS researchers, technology transfer to convey research results to appropriate corporate users, and collaborative opportunities for envisioning and developing future technologies.

The UMIACS/CS Industrial Affiliates Program (IAP) is aimed to foster relationships between UMIACS/CS and companies interested in research and development in software systems and computing technologies, and to facilitate collaborative activities between member companies and the UMIACS laboratories and research groups. Benefits to member companies include active faculty involvement on joint projects, exchange of technical information, interactions between corporate technical representatives and faculty, and recruitment programs. Approximately thirty companies are currently involved on joint collaborations with the UMIACS and CS faculty.

Benefits of Membership

In collaboration with a faculty member, Industrial Affiliates design and carry out research projects in areas of mutual interest. The member company may send its own representative to conduct research in a UMIACS lab in collaboration with the lab's research staff, or may interact regularly with a faculty member in carrying out the joint research.

UMIACS/CS will provide office space, computing resources, and network access for technical staff from IAP members who will be working in a UMIACS lab. During their stay, these researchers can attend classes, have access to the university libraries, and participate in a variety of research-related events. Companies may elect to send one person for a year or two people for a six-month period each.

Four types of memberships are currently offered under our IAP:

Affiliate

- Annual research seminar conducted by our faculty, focusing on technical issues of interest to members.
- One-day consultation with faculty members on matters of technical interest, which includes visits to the labs and demonstrations of latest technologies developed by the UMIACS/CS faculty.
- Complimentary invitation for one participant to participate in UMIACS-sponsored workshops and symposia.
- Recruiting information and recruiting seminars
- Recognition of support on the UMIACS web site and in all appropriate UMIACS/CS publications
- Membership in Partners in Computing, a joint CS/UMIACS program, which in particular provides special opportunities for recruiting Computer Science students
- \$20,000 per year

Collaborator

- On a single project or with one faculty member
- Includes benefits of an Affiliate
- Can send a Resident Scientist for one semester
- \$ 50,000 per year plus the resident scientist costs

Partner with a UMIACS Lab or Center

- Can involve several projects
- Includes benefits of an Affiliate
- Can send a Resident Scientist for a year
- Partnership agreement arranged with the lab or center

Resident Scientist Program

- A company may send a scientist to be resident at the University and work in a lab or with a faculty member.
- The basic cost will be \$ 25,000 per semester.

About UMIACS

The University of Maryland Institute for Advanced Computer Studies (UMIACS) is a research unit whose mission is to foster interdisciplinary research and education in computing. The Institute's research programs are led by distinguished faculty most of whom hold joint appointments in the departments of Computer Science, Electrical and Computer Engineering, Geography, Linguistics, Philosophy, the College of Education, Robert H. Smith School of Business, College of Life Sciences, and College of Information Studies. Major sponsored research programs address fundamental issues at the interface between Computer Science and other disciplines, and are supported by an advanced computing infrastructure.

Labs affiliated with UMIACS include:

- Laboratory for Parallel and Distributed Computing
- Computer Vision Lab
- Human-Computer Interaction Laboratory
- Language and Media Processing Laboratory
- Graphics and Visual Informatics Laboratory
- Keck Laboratory for the Computational Modeling of Visual Movement
- Maryland Information and Network Dynamics Lab
- Laboratory for Computational Linguistics and Information Processing
- The Global Land Cover Facility
- Perceptual Interfaces and Reality Laboratory
- The Software Engineering Lab

Two major centers are organized under UMIACS: Center for Automation Research, and Center for Bioinformatics and Computational Biology.

More details about the UMIACS labs and center can be found at <http://www.umiacs.umd.edu>.

About the Department of Computer Science

The University of Maryland's Department of Computer Science is a top-ranked department for research and education in computer science (12th in the latest *US News and World Report* among all public and private universities). Over 2,000 undergraduates and 200 graduate students are enrolled in its degree programs. In addition to their outstanding national research reputation, the faculty is committed to the educational components of the program with a particular emphasis on project-oriented courses and teamwork for many of the senior-level courses. The Department includes nationally recognized groups in databases, artificial intelligence, software engineering, computer vision and graphics, human-computer interaction, parallel and distributed computing, pervasive computing, information security, networks, algorithms and theory, and scientific computing.

More information about the Department of Computer Science is available at <http://www.cs.umd.edu>.

For More Information

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Computer Vision & Graphics
 Bioinformatics
 Software Engineering
 Artificial Intelligence
 Perceptual Interfaces
 Scientific Computing

Human-Computer Interaction
 Computational Linguistics
 Information Security
 Multimedia Computing
 Pervasive Computing
 Database Systems

