

Media Kit

iisME *Bringing Excitement and Relevance to Education*
Industry Initiatives for Science and Math Education

Contact Information

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See inside pages for 2010 Projects from some of these Bay Area IISME Sponsors:

	# of Teachers
Adobe Systems	1
Applied Materials, Inc.	10
BD Biosciences	1
Cisco Systems, Inc.	3
Coherent, Inc.	1
Cordis Corporation	2
Dow Chemical Company	1
EMC Corporation	1
Fairchild Semiconductor	1
Genentech, Inc.	1
Gladstone Institutes	1
Hewlett-Packard Company	2
IBM	5
Integrated Device Technology, Inc.	2
Intel Corporation	7
Intevac, Inc.	1
Intuitive Surgical, Inc.	1
KLA-Tencor Corporation	2
Lawrence Berkeley National Laboratory	6
LifeScan, Inc.	1
Life Technologies Corporation	3
Lockheed Martin Space Systems Company	20
Lucile Packard Children's Hospital	1
Mattson Technology	1
MiaSolé	1
MoSys, Inc.	1
National Semiconductor Corporation	1
Renesas Electronics America	1
SanDisk Corporation	1
Santa Clara University	1
SETI Institute	1
Silicon Valley Leadership Group	1
SolFocus, Inc.	1
SRI International	3
Stanford University	24
SVB Financial Group	2
Synopsys, Inc.	12
UC Berkeley	4
UC San Francisco	2

IISME Summer Fellowship Program

Industry Initiatives for Science and Math Education (IISME) was founded in 1985 by a consortium of San Francisco Bay Area companies in partnership with the Lawrence Hall of Science at the University of California at Berkeley. IISME exists to address the critical need for a strong, highly-skilled workforce in the STEM fields (Science, Technology, Engineering, and Math). This industry-education partnership focuses on teachers as the primary agents for effecting meaningful change in our schools.

IISME Fellowships provide K-16 teachers with unique, meaningful professional development by exposing them to today's industry and research environments.

IISME Fellowships have a positive impact on teacher retention, teacher leadership, National Board Certification rates, and teacher performance in the classroom. IISME Fellowships provide teachers exposure to the practical applications of the subjects they teach allowing them to incorporate more relevance into their curriculum.

Through the Summer Fellowship Program, IISME also provides companies and universities with skilled, cost-effective, professional, summer employees. Sponsors experience a direct way to reach their future workforce through one-to-one contact with teachers.

In 2010:

- 41 Organizations are hosting Teacher Fellows.
- 142 Teachers are holding IISME Fellowships.
- 25% of the Teacher Fellows are from high need schools.
- Overall 64 organizations are supporting the 2010 Summer Fellowship Program.
- IISME expanded to the San Diego area! **Life Technologies, Lockheed Martin Information Systems and Global Services, and Nordson ASYMTEK** are hosting four teachers in IISME Summer Fellowships.

Since 1985:

- 354 companies, foundations, universities and government agencies have provided critical support to the IISME Summer Fellowship Program.
- IISME has awarded 2,815 Summer Fellowships to teachers from 626 schools and 121 districts in our service area.
- IISME Teacher Fellows have reached over 2 million students.

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2010 Fellowship Projects



BD Biosciences - Information Technology Fellow

The Fellow is contributing to the development of end user training materials for our virtualization platforms supporting scientific and product development activities.



APPLIED MATERIALS®

Applied Materials - Process Engineer

The Fellow is operating a CMP polishing tool and performing tests on various films using different chemistries. The Fellow is collecting data using industrial metrology tools, performing data analysis and reporting the findings at the end of the Fellowship.



a Johnson & Johnson company

Cordis Corporation - Polymer Chemistry Fellow

The Fellow is investigating catheter balloon material for a next generation coronary stent delivery system.



Cisco Systems - Core Routing Business Unit/Operations

The Fellow is creating a functional main Web Page to showcase Release Engineering, develop links to child pages, decommission old pages, assist in documentation scrub, build guidelines and train the team on how to manage the pages going forward.



Fairchild Semiconductor - Marketing Analyst

The Fellow is compiling and analyzing website metrics in order to determine website usage patterns. This information will be used in determining content development needs.



A Member of the Roche Group

Genentech, Inc. - Scientific Relations Fellow

The Fellow is supporting ongoing communication efforts that involve assisting in a website update, evaluating current web resources, assisting in survey writing/administration, collecting best practices and writing summaries/case studies for internal communications initiatives.



Hewlett-Packard Company - Education Market Research Assistant

The Fellow is assisting the education channels team by identifying information that will help grow the college bookstore business for HP.



IBM - Product Marketing Specialist

The Fellow is producing 3-D thermal maps of labs that will be used to evaluate the possibilities for cost and energy savings.

2010 Fellowship Projects

Integrated Device Technology, Inc. - Product Test Engineer Fellow

The Fellow is working on the characterization, statistical analysis and testing of semiconductor products.



Intel Corporation - Curriculum and Deployment Specialist

The Fellow is researching and developing the requirements and usage models to utilize Intel based mobile platforms. This project involves exploring handhelds and tablets/slates for MULTITOUCH based teaching aids and tools.



Intuitive Surgical, Inc. - College Recruiting- Internship Program Developer

The Fellow is developing a College Recruiting and Internship Program, including writing a program overview, internal forms/tools, internal communications, target schools, and draft budget.



KLA-Tencor Corporation - Engagement Survey Fellow

The Fellow is designing and developing a SharePoint site documenting KLA-Tencor's Employee Engagement project.



Lawrence Berkeley National Laboratory - Functional Microbial Genomics Fellow

The fellow is involved in generating hypotheses about gene function using bioinformatic tools. The Fellow is also expressing, purifying and characterizing gene products to test the hypotheses.



Life Technologies - Research Scientist

The Fellow is helping to develop a mutation detection system for EGFR and KRAS genes.



Lockheed Martin Space Systems Company - Facilities Engineering Planner

The Fellow is assist with the identification of energy, water, and gas related technologies that will improve the overall efficiency of Lockheed Martin's buildings and infrastructure.



Mattson Technology - Research Associate

The Fellow is studying electronic materials potentially critical to the next generation devices in either semiconductor IC or LED or solar areas.



MoSys, Inc. -Technical Writer

The Fellow is producing 3-5 problem/solution editorial articles to be submitted to industry trade publications in addition to 1-3 technical case studies.



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SETI Institute - Science Writer and Editor

The Fellow is helping to develop and edit astrobiology content for a new kids' portion of the SETI Institute website.

SRI International - Research Associate

The Fellow is working on variety of curriculum development and evaluation projects, primarily in the area of middle school math, with some work related to middle school science.



SolFocus, Inc. - Curriculum Specialist

The Fellow is developing curriculum for solar programs in conjunction with curriculum leads at two community colleges.

Stanford University - Boehm Research Fellow

The Fellow is collecting samples from the field and conducting analyses to test for antibiotic resistant bacteria in water samples.



SVB Financial Group - Training Materials Fellow

The Fellow is gathering information from the business for purposes of organizing, reviewing, and developing training material.

Synopsys, Inc. - Web Designer, Tech Writer & Tester Team

The Fellows are working on a team of three to migrate Website/SharePoint site content. The Fellows are assisting the CAS project team on project documentation and participating in software testing when needed.



University of California at Berkeley - Mass Spec Fellow

The Fellow is assisting facility staff with routine sample analysis but also has the opportunity to collaborate with researchers on various projects involving mass spectrometric analysis or ion chemistry.

University of California at San Francisco - iGEM Fellow

The Fellow is helping the iGEM Program Education Director develop assignments for the students to strengthen their synthetic biology concepts and to improve their scientific reasoning.



IISME is proud to partner with the Silicon Valley Leadership Group.



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