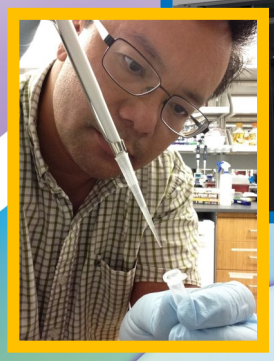
2015 IISME Summer Fellowship Evaluation Highlights

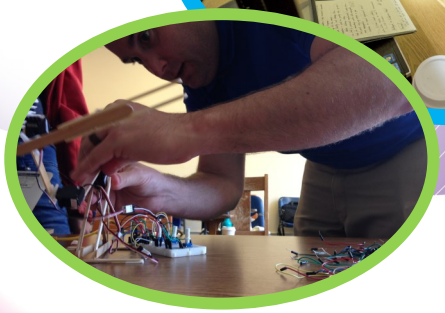
IISME *Bringing Excitement and Relevance to Education*

Industry Initiatives for Science and Math Education

2015 IISME Fellows gave high ratings to their Fellowship experience:

- 100% said it elevated their enthusiasm for teaching.
- 100% gained ideas for making their curriculum more relevant to today's workplace.
- 99% said it stimulated their thinking on ways to improve their teaching.
- 98% would recommend the IISME Summer Fellowship Program to a friend or colleague.
- 96% increased their knowledge of careers that utilize science, math or technology.
- 94% increased their understanding of 21st Century Skills.
- 92% gained a greater understanding of the applications of science, math or technology in everyday life.





"I have more confidence teaching engineering now that I have observed and participated in real life engineering projects. I have seen first hand what skills are necessary to be successful in industry and I can bring this knowledge back to my classroom and fellow teachers."

Middle School Science Teacher, 2015 Fellow at Cordis Corporation

"My overall IISME experience was wonderful. The knowledge I gained regarding Information Technology and real-world application has allowed me to rethink how I teach computer concepts and skills to my students. More than ever, I have the insight and knowledge to develop a year-long curriculum to teach basic programming to my second grade students."

2nd Grade Teacher, 2015 Fellow at Synopsys

2015 IISME Mentors benefited from their IISME experience:

- 99% would recommend their Fellow for another Fellowship.
- 97% felt the IISME Summer Fellowship Program was worthwhile for themselves as Mentors.
- 96% were pleased with the quality of work their Teacher Fellow produced.
- 96% felt the IISME Summer Fellowship Program was worthwhile for their department/organization.

According to the 2015 IISME Teachers, the Fellowship experience is a valuable professional development opportunity because…

This is the only Professional Development I've done where I've seen concrete ways that the math I teach is used to invent new things. It gives me examples I can use in class of how math is a creative endeavor.

The ability to get "credibility" for tasks that I tell my students they will need to use in the workplace. I now have a much better understanding of how a business environment works and how many of the skills I teach my students will actually be used later in life.

The real-world engagement. I couldn't ask for a professional development experience that is more connected with the world that I'm preparing my students to enter.

The ability to work with professionals in the field and meet new teachers with whom we can collaborate throughout the year.

The energy- the excitement- the time to be with top professionals in my field. Just so inspirational!

There is no other professional development experience like it. I truly have an insight into what it takes to pursue other career fields without leaving teaching. I can pass that knowledge onto my students--it's not theory--it's experience.

Working in a field that we teach about does wonders for your own knowledge and confidence in the classroom.

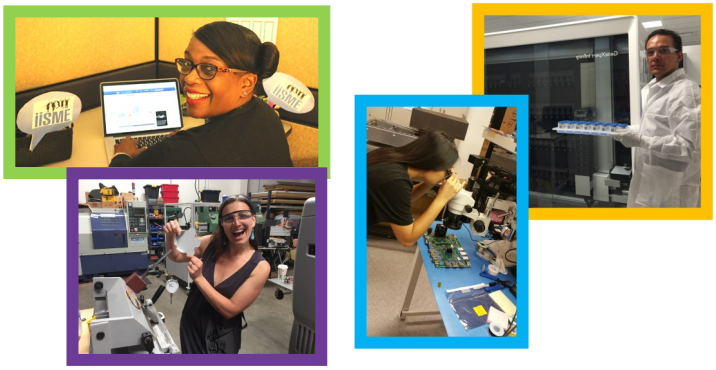
One of the most important aspects of IISME for me is gaining real world experience in a STEM occupation. I can bring this back to the classroom to really encourage my students to consider STEM careers.

It enriches my practice by introducing me to the newest cutting edge technologies in my content area.

Understanding the 21 Century skills, team work, and applying technology.

2015 Host Organization Mentors reflect on the benefits to working with teachers…

The teacher benefited us by performing the work and completing the project. More importantly, however, she provided a new energy to our team. Having her here brought everyone together, gave them a new perspective on the work we do, and energized the team dynamics.



Our IISME Fellow presented several recommendations for improving our work instruction process. It was very helpful to have a fresh set of eyes looking at the process. I also feel that we now have a partner in the K-12 system that can help spread the word to students about the importance of Science, Math, and Engineering. I am also impressed with how he is translating his experience with our processes into an Education Transfer Plan with his students.

Strengthens our ties to the local K-12 community.

We received help in completing this assignment that otherwise we would have not been able to complete on time due to either resource limitations and also lack of technical writer knowledge.

The teacher's work yielded meaningful results. I also appreciated the opportunity to mentor people.

We get quality and friendly people to join our team for the summer. This has been consistent over four years even though the projects have been quite varied and different people have come each time.

They made our field work possible for the summer. We are grateful to this program in moving ahead our investigation of sudden oak death abundance and distribution and the chemistry of biomarkers.

It was inspiring to see the collaboration between industry and education - and to witness the enthusiasm of the teachers to bring their experience back to the classroom.