

**Santa Clara Valley Science and Engineering Fair Association**

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[www.science-fair.org](http://www.science-fair.org)

Celebrating Consecutive Regional Science Fairs Since 1960

Affiliated with the Intel International Science and Engineering Fair

**MENTOR PROFILE FOR STUDENTS TO REVIEW**

Please fill in the appropriate information boxes below, and email this document to [rwwcw1@yahoo.com](mailto:rwwcw1@yahoo.com) for posting on our website [www.science-fair.org](http://www.science-fair.org).

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**Last name:** Rostkowski

**First name:** Katherine

**College and degree(s) earned:** Bachelor of Science, Yale University, Environmental Engineering, 2007;

Master of Science, Stanford University, Civil and Environmental Engineering, 2008;

Doctor of Philosophy, Stanford University, Civil and Environmental Engineering, in progress, expected 2012

**Email address:** contact [mentors@science-fair.org](mailto:mentors@science-fair.org)

**Web page (if applicable):** [www.stanford.edu/~khr4](http://www.stanford.edu/~khr4)

**Phone number and available hours to call:** Please email first.

**Your background summary: (Please limit to 200 words)**

I am a PhD student in Environmental Engineering at Stanford University. I completed my undergraduate degree at Yale University in Environmental Engineering. There, I studied water and wastewater systems and applications in developing countries. At Stanford, I am working on the development of bioplastics to replace traditional plastics. These plastics biodegrade instead of staying in the environment for billions of years.

**Briefly write about your science and/or engineering interests:**

As an environmental engineer. I am interested in environmental research. An engineer by training, I enjoy problem solving and exploring new ideas.

**Projects from which scientific category (one or more) would you be interested in mentoring? Categories are explained in detail at**

<http://synopsys.championship.googlepages.com/scientificcategoriesforprojects>.

Environmental Sciences, Engineering, Biochemistry/Microbiology

**If you are a past Science Fair Judge, list scientific categories which you judged:**

Environmental Science

**If you are a past Science Fair Judge, list fairs by name in which you participated (local school fair, Synopsys Championship, CSSF, ISEF, etc.)**

Synopsys Championship 2009 & 2010

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