

Pieper Professorship for Servant-Leadership



COLLEGE OF ENGINEERING
UNIVERSITY OF WISCONSIN-MADISON

Extraordinary Opportunity

Pieper Professorship for Servant-Leadership

- The Pieper Family Foundation's visionary support will enable enriched programming and opportunities for students to grow into thoughtful and generous servant-leaders.

A Profound Thank You

- The Pieper Family Foundation commitment to developing student leaders offers the UW-Madison College of Engineering an extraordinary opportunity.
- We look forward to working with you as partners in helping students see the larger world they exist in, and how they may help others through ethical decisions, ethical behavior, and genuine service.

Leadership Initiatives to Date

- Dean's Leadership Class
- LeaderShape
- Habitat for Humanity
- Engineering Tomorrow's Careers Camp (Society of Women Engineers)
- Energy Hub Conference (UW Energy Hub Student Group)
- Innovation Days Competition

Dean's Leadership Class



LeaderShape, South Africa 2008

international leadership & service learning



Habitat for Humanity



Engineering Tomorrow's Careers Camp (Society of Women Engineers)



Innovation Days Competition



Tim Miller received the \$1,000 Sorenson Design Notebook Award for his team's invention, the Biomass Shredder for applications in countries such as Rwanda, Africa, where deforestation affects wood availability for fuel. The invention is a bicycle-powered device that shreds surplus biomass, resulting in quicker decomposition of organic waste that subsequently can be composted and pressed into fuel briquettes.

Profile: Alumnus Servant-Leader #1

- **Anand Chhatpar '05**
UW Major: Computer Engineering
Career: CEO and Founder,
BrainReactions
- Anand Chhatpar left India for the University of Wisconsin-Madison in 2001 to pursue his research interests and entrepreneurial spirit. At Madison, Chhatpar was immediately struck by the UW's openness toward international students. He found opportunities beyond his expectations and a new perspective on the world that would help lay the foundation for becoming a serial entrepreneur.



Profile: Alumnus Servant-Leader #2

- **Timothy Miller '06**
UW major: Civil engineering
Career: Teacher
- Tim Miller has spent the past year teaching math and science to girls in Rwanda. He first visited the war-torn country in 2004, and was deeply touched by its poverty and destitution. He returned a few months after earning his UW degree, determined to improve people's lives through education.
- His first visit to Rwanda was with the UW chapter of Engineers Without Borders (EWB), made possible through a Wisconsin Idea Fellowship. Through EWB, Miller developed leadership skills, serving as chapter president and the Rwanda project manager. He says the experience had a profound and lasting impact, teaching him how to apply classroom theories to solve real-world problems and an ethic of responsibility to his work, with a deeper appreciation of other cultures.



Proposed Servant-Leadership Initiatives

Goal 1 Create, test, and evaluate learner-centered curriculum

A. Dean's Leadership Class

Evaluate and refine current offerings.

B. Develop one-credit servant-leadership class

Design, delivery, and continuously improve a new course offering to deliver skill sets, attitudes, and knowledge to students complete with in-person praxis/experiential integrative learning opportunities grounded in servant-leadership.

Publish findings and recommendations for the larger engineering community

Goal 2 Carefully design manageable quantitative, longitudinal data gathering and reporting to assess the effectiveness of the Servant-Leadership program

A. Apply and refine outcome metrics

Catalog & measure student learning outcomes that stem from existing leadership programming

Create and maintain a longitudinal learning outcome measurement system



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