

Loyola Marymount University (LMU)
Frank R. Seaver College of Science and Engineering
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March 23, 2015

President of the United States
The White House
1600 Pennsylvania Avenue NW
Washington, DC 20500

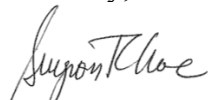
Dear Mr. President,

The Frank R. Seaver College of Science and Engineering is committed to the mission of the university: the encouragement of learning, the education of the whole person, the service of faith and the promotion of justice. Our students are challenged with a rigorous engineering education complimented by studies in the liberal arts that prepare them to become leaders of their profession who reflect on what it means to live a life of meaning and purpose. We strive to graduate men and women of moral character, who are dedicated to the service of others and who can positively contribute to society using their technical skills and imagination.

Our engineering programs have embraced the challenges of the modern world through the curriculum, experiential learning opportunities, and capstone/research projects. Of the many projects to share that engaged the world, our engineering students and faculty traveled to El Salvador and Malawi to partner with communities under distress to supply clean water. In El Salvador, the project involved the installation of special in-home water filters and UV water disinfectant systems. In Malawi, our students and faculty constructed a water filtration system that provided much needed clean drinking water to a church, hospital, and a local school. Access to clean water to these communities helped decrease the incidences of waterborne diseases and improved the health of the community. One of our senior capstone projects involved the development of low-cost renewable energy devices. Students worked to develop a solar energy charger and a battery storage device that would provide enough energy to light a lamp in remote areas of the world. The students were able to successfully develop a prototype that met the specifications. Our students continue to work on a number of projects to develop cleaner alternative energy. Lastly, our mechanical engineering students are engaged in service learning projects in partnership with a local charter school. They are working with students with different disabilities to improve their quality of life and access to learning by designing innovative assistive devices. These projects have reaffirmed for our students the importance of engineering and the good it could provide to those in need.

The LMU engineering departments will continue to deepen its resolve to educate the next generation of engineers who can meet the challenges of the world with solid engineering education and with compassionate hearts for service. We are committed to the Grand Challenges and will seek opportunities to integrate its call through all aspects of our programs.

Sincerely,



S.W. Tina Choe, Ph.D.