



Cal State LA students create a gyroscope for a rotating design project in the ECST design and fabrication space. Photo credit: Cal State LA.



Alhambra resident Chris Bachman, assistant professor of mechanical engineering and the grant's principal investigator. Photo credit: Cal State LA.

## Cal State LA receives Keck Foundation grant for Innovation and Design Center

*Alhambra resident to lead a team of Cal State LA faculty in integrating project-based learning into curriculum, research*

Cal State LA has been awarded a grant to establish an Innovation and Design Center that will foster a learning community focused on design and manufacturing.

With a \$325,000 grant from the W. M. Keck Foundation, the center will provide project-based learning for more than 1,000 undergraduate students annually in the College of Engineering, Computer Science, and Technology (ECST).

"This grant from the Keck Foundation will enable the college to develop collaborative, experiential learning opportunities for our students, the next generation of technical professionals who will lead, serve, and transform the greater Los Angeles area," said ECST Dean Emily Allen.

The goal of the three-year grant project is to prepare students for success in STEM fields.

The Innovation and Design Center will provide students with training workshops on the design process, computer-aided drafting software, advanced manufacturing techniques, and microcontroller programming.

The center will also offer space and resources for club meetings, team projects, research, and collaboration with industries through capstone senior design projects.

The design and fabrication space is located in the Engineering and Technology building, room B111.

"The Innovation and Design Center will help students develop their confidence, knowledge and skills in manufacturing, design, and innovation," said Alhambra resident Chris Bachman, the grant's principal investigator and assistant professor of mechanical engineering at Cal State LA. "Most importantly, the hands-on learning will motivate and inspire our students to be passionate about becoming engineers and technologists."

Mr. Bachman teaches and conducts research in the areas of design and building, specifically focused on wind energy, biomechanics, fuel cells, and batteries. He will lead a multidisciplinary team of Cal State LA faculty in integrating project-based learning into their curriculum and research.

The team includes Jane Dong, associate dean of the college; Jai Hong, associate professor of technology; Ted Nye, director of the Capstone Senior Design Program; Michael Thorburn, associate director of the Capstone Senior Design Program; Nancy Warter-Perez, chair of the Mechanical Engineering Department; and Kimi Wilson, assistant professor of education in the Division of Curriculum and Instruction.

With support from Cal State LA faculty, some students will be able to create a gyroscope or gearbox for a rotating design class project, while others will design and fabricate entries for intercollegiate engineering competitions. The center will enhance courses and projects by incorporating hands-on learning experiences.

## Author Lian Dolan to speak at luncheon

Lian Dolan, writer and podcaster, will be the guest speaker at the Shower of Roses Luncheon to benefit the Cloistered Carmelite Nuns Auxiliary. Ms. Dolan is the author of *Helen of Pasadena* and has appeared on *Oprah Winfrey*, *CBS Sunday Morning*, *The Today Show*, and several local stations.

The luncheon will be held at the San Gabriel Country Club Wednesday, April 24. To make a reservation, please call Sue Fulps at 626-285-4649. Individuals or businesses wishing to make a donation of a door prize can do so by contacting Delores McAllister at [dmcallister\\_17@hotmail.com](mailto:dmcallister_17@hotmail.com).

The Auxiliary of The Cloistered Carmelite Nuns looks forward to hosting this luncheon, its Annual Fundraiser for The Carmel of St. Teresa, which has been here in Alhambra for more than 100 years.

## Woman's Club to meet March 6

The Alhambra Woman's Club will meet at 11 p.m. Wednesday, March 6, at Almansor Court, 700 S. Almansor St., Alhambra.

The club has been together for more than 100 years, providing mature women an opportunity to make new friendships.

Join the Alhambra Woman's Club at its meeting and experience excellent food, a lovely view, and great entertainment. Come prepared to dance.

The price of the luncheon is \$20 for members and \$25 for non-members.

Please call 626-289-9307 to make a reservation by March 4.



Customers at Sam's Barber shop are always willing to support a good cause.

This month they have purchased 12 cases of Girl Scout cookies.

Sam thanks all of his friends and customers for their generosity!



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