



## MEMORANDUM

4/16/2021

**TO:** Mechanical Engineering Department Faculty  
**FROM:** Charles Birdsong, Director, Donald E. Bently Center for Engineering Innovation  
**COPIES:** Amy Fleischer, Dean, College of Engineering  
Robert Crocket, Associate Dean for Innovation Infrastructure, College of Engineering and  
Jim Widmann, Chair, Mechanical Engineering Department

**SUBJECT:** Summary of Donald E. Bently Center for Engineering Innovation Awards for the 2021-2022 Award Cycle

The Bently Review Committee met and was successful at reaching a consensus on all funding decisions. The review committee funded 63 out of 79 requested WTUs. Six proposals were funded fully, three proposals were partially funded. Drs. Belanger and Westphal were awarded 12 WTUs each, are thereby named the honorary title “Donald E. Bently Professor” for 2021/2022 and will be highlighted on the Bently Center website next year.

The awards for this cycle are listed below including the PI names, proposal titles, and number of WTUs awarded.

PI	Proposal Title	WTUs Awarded
Dr. Jacques Belanger	Cal Poly Gold Tree Solar Field Power Generation Optimization and Forecasting	12
Dr. Eltahry Elghandour	Designing and Testing a Photek Camera Flexure to Calibrate Ultraviolet Imaging Satellites for Space Application	6
Dr. Behnam Ghalamchi	Learn by Doing: Using the Internet of Things for Remote Laboratory Classes	6
Dr. Stephen M. Klisch	Bridge Funding: Renewing External Support for Cal Poly’s HMB Lab	3
Dr. Patrick Lemeuix	Advanced Gas Turbine Propulsion for the 21st Century/ Recommissioning Cal Poly’s Mechanical Engineering Department Hybrid Rocket Test Stand	6
Dr. Hans C. Mayer	Development of Lecture and Lab-Based Mechanical Engineering Microsystems and Microfabrication Curriculum	6
Dr. Jennifer Mott	Hans C. Mayer	4
Dr. Brian Self	Developing Online Resources to Increase Inclusivity in Mechanics	8
Dr. Russell V. Westphal,	New Direction: enhanced momentum theory	12
	Total	63