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MEMORANDUM

6 May 2022

To: Dr. Amy Fleischer, Dean, College of Engineering
Dr. Charles Chadwell, Associate Dean, College of Engineering
Jim Widmann, Chairperson, Department of Mechanical Engineering

From: John Chen, Professor and Director of the Donald E. Bently Center for Engineering Innovation

Subject: Summary of Bently Center Awards for the 2022-2023 Award Cycle

For the upcoming award cycle of Summer 2022 through Spring 2023, the Bently Center received nine proposals requesting a total support of over \$375K. The anticipated available funds for this period is expected to be approximately \$327K. A proposal review committee consisting of Dr. Charles Chadwell, Dr. Jim Widmann and myself reviewed all proposals and reached consensus on the final funding decisions. Our constraints included the available funding, the teaching needs of the department in the coming academic year and the evaluation of each proposal.

The individual awards are listed below. Please let me know if you have any questions or concerns. Thank you for your continued support of the Bently Center and its mission.

PI	Proposal title	Total Award (WTU)
Dr. Jacques Belanger	Solar Optimization and Forecasting	12
Dr. Charlene Birdsong	Apparatus for new Advanced Controls course	3
Dr. Eltahry Elghandour	Rocket motor case weight optimization	4
Dr. Rick Emberley	Earthquake resiliency of mid-rise steel buildings	12
Dr. Steve Klisch	Bridge funding for HMB Lab	9
Dr. Russell Westphal	Turbulent/unsteady flow performance penalties	11
Dr. Xi Wu	Bently 3701 Machinery Monitor manual	3
Dr. Siyuan Xing	Motion prediction and control of legged robots	8