Agendum
Oakland University
Board of Trustees Formal Session
December 3, 2012

ACCEPTANCE OF GRANTS AND CONTRACTS TO OAKLAND UNIVERSITY FOR THE PERIOD OF SEPTEMBER 1, 2012 THROUGH OCTOBER 31, 2012

A Recommendation

1. **Division and Department:** Academic Affairs/Office of Research Administration.

2. **Introduction:** Oakland University contributes to our national agenda as a contributor to the nation's scientific and technological progress, both through the generation of new knowledge and ideas and the education and training of its students. Grants and contracts awarded to Oakland University play a critical role in the advancement of new research findings, and current research trends gives emphasis to inter-disciplinary, technology-driven, and product-oriented team efforts.

   The Board of Trustees (Board) has authorized the President, or his or her designee, to receive and acknowledge grants and contracts to the University, but such grants and contracts must be reported to the Board not less often than quarterly for acceptance on behalf of the University.

   At this time, we request that the Board accept the grants and contracts reported on the attached Grants and Contracts Report, Attachment A, for the period September 1, 2012 through October 31, 2012.

3. **Previous Board Action:** The Board accepts grants and contracts to Oakland University on a regular basis at its Formal Sessions.

4. **Budget Implications:** Grants and contracts contribute to the University through the recovery of direct and indirect expense incurred in support of research projects.

5. **Educational Implications:** Grants and contracts enhance the training and education of students.

6. **Personnel Implications:** Grants and contracts awards may provide salary support for faculty, post-doctoral fellows, undergraduate and graduate students, technicians, lab managers, and other personnel, as required by the funded research project or program.

7. **University Reviews/Approvals:** All grants and contracts are reviewed by the Office of Research Administration prior to submission to the Board to ensure compliance with federal and state laws and regulations and University policies and procedures, when applicable, and with assistance from the Office of Legal Affairs when requested.

8. **Recommendation:**

RESOLVED, that the Board of Trustees accept grants and contracts to Oakland University identified in the attached Grants and Contracts Report, Attachment A, for the period of September 1, 2012 through October 31, 2012.

9. **Attachments:** A. Grants and Contracts Report.

Submitted to the President
on 11/26, 2012 by

Susan M. Awbrey
Interim Senior Vice President for
Academic Affairs and Provost

Recommended on 11/26, 2012
to the Board for approval by

Gary D. Russi
President

Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
Gopalan Srinivasan Department of Physics	United States Army	***Self Assembled Multiferroic Nanostructures and Studies on Magnetoelectric Interactions.*** *The goal of this project is to extend current research to novel self-assembled ferromagnetic-ferroelectric nanostructures and studies on ME interactions and negative-index characteristics.*	$ 104,000	$ 104,000
Lorenzo Smith Department of Mechanical Engineering	Battelle Pacific Northwest Laboratory (Prime awardee of U.S. Department of Energy)	***Electrohydraulic Bonding between Foil Cladding and Dissimilar Sheet Materials.*** *The purpose of this work is to investigate the ability to use electrohydraulic pressure pulses to substitute for the detonation of explosives, while creating high-quality bonds between foil cladding and dissimilar sheet materials.*	$ 50,000	$ 50,000
Lorenzo Smith Department of Mechanical Engineering	Battelle Pacific Northwest Laboratory (Prime awardee of U.S. Department of Energy)	***Aluminum Formability Extension through Superior Blank Processing.*** *The purpose of this work is to use a combined experimental and numerical approach to develop processing methods for preparation of stamping blanks that achieve extended ductility compared to conventional blanks.*	$ 48,943	$ 48,943
Mohammad Das Department of Electrical and Systems Engineering	Nexthermal Corporation	***A Predictive Feedback System for Heater Health Monitoring.*** *The goal of this project is to develop a predictive feedback system that would monitor the health of electric heaters and predict an end of life condition in advance.*	$ 8,182	$ 8,182
Mohammad Reza Siadat Department of Computer Science and Engineering	Beaumont Health System	***Urinary Continence Index for Prediction of Urinary Incontinence in Older Women.*** *The purpose of this research in collaboration with Beaumont Health System is to develop a Urinary Continence Index using a novel application of data mining strategies. The additional funding supports mentee involvement in the on-going research project.*	$ 21,433	$ 21,433
Dorothy Nelson Office of Research Administration	Michigan Economic Development Corporation	***Tech Transfer Talent Network Fellowship.*** *Funding is proposed to support a technology transfer fellow in the Office of Research Administration. The fellow is a patent attorney and faculty in the School of Engineering and Computer Science.*	$ 15,800	$ 15,800

Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
Dorothy Nelson Office of Research Administration	Michigan Economic Development Corporation	***Tech Transfer Talent Network MiR.*** *Funding for this project will support review of existing technology to determine next steps for Oakland University inventors and intellectual property portfolio.*	$ 25,000	$ 25,000
Michael MacDonald Department of Educational Leadership	Substance Abuse and Mental Health Services Administration (SAMHSA)	***Grizzlies Response: Awareness and Suicide Prevention at Oakland University.*** *The objective of this project is to increase awareness of suicide prevention campus wide.*	$ 101,924	$ 101,924
Ching She Wu Department of Computer Science and Engineering	Illinois State University (Prime awardee of the National Science Foundation)	***Service Oriented Paradigm Across Introductory Information Technology Cirricula.*** *This funding will be used to conduct an NSF funded study on better ways to teach introductory programming courses, providing Indiana State University and Oakland University with valuable insight into teaching practices.*	$ 5,000	$ 5,000
Ka C Cheok Department of Electrical and Computer Engineering	Battelle Memorial Institute (Prime awardee of U.S. Army)	***Reliable Ultra Wide Band (UWB) Tracking System with Multi-Sensor Fusion.*** *The objective is to develop a robust UWB tracking system, enhanced by the fusion of various navigation, proximity and motion sensors.*	$ 9,650	$ 44,638
Julie Ricks-Doneen Department of Human Development and Child Study	U.S. Department of Education	***Child Care Access Means Parents in School.*** *This project will provide Pell-eligible undergraduate student-parents financial assistance with their Lowry enrolled child's tuition.*	$ 54,590	$ 163,456
Zissimos Mourelatos Department of Mechanical Engineering	University of Michigan (Prime awardee of U.S. Army)	***Simulation-Based Validation and Certification of Vehicle Tests and Designs.*** *The goal of this project is to complement current research activity at the ARC to accelerate the progress of basic research in simulation-based validation and certification of vehicle tests and designs.*	$ 66,503	$ 769,417
		Total	**$ 511,025**	**$ 1,357,793**