

**ACCEPTANCE OF GRANTS AND CONTRACTS TO OAKLAND UNIVERSITY  
FOR THE PERIOD OF JANUARY 1 THROUGH FEBRUARY 28, 2009**

**A Recommendation**

1. **Division and Department:** Academic Affairs/Office of Grants, Contracts and Sponsored Research
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 January 1 through February 28, 2009.

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.

Acceptance of Grants and Contracts to  
Oakland University for the Period of  
January 1 through February 28, 2009  
Oakland University  
Board of Trustees Formal Session  
April 1, 2009  
Page 2

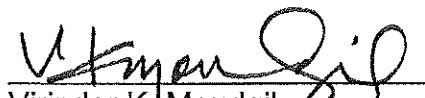
7. **University Reviews/Approvals:** All grants and contracts are reviewed by the Office of Grants, Contracts and Sponsored Research prior to submission to the Board to ensure compliance with federal and state laws and regulations and University policies and procedures, when applicable, and with assistance 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 January 1 through February 28, 2009.

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

Submitted to the President  
on 3/17/, 2009 by

  
Virinder K. Moudgil  
Senior Vice President for  
Academic Affairs and Provost

Recommended on 3/18, 2009  
to the Board for approval by

  
Gary D. Russi  
President

## GRANTS AND CONTRACTS REPORT

January/February 2009

Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
<b>Ka C. Cheok</b> Electrical and Computer Engineering	University of Michigan	<b><i>UWB Tracking of Multiple Robots-II.</i></b> This project will evaluate ultra-wideband ranging radios and local positioning techniques for tracking multiple robots, personnel and assets. UWB tracking system can greatly increase user's situational and activity awareness of his/her team and equipment.	\$ 100,000	\$ 100,000
<b>Joshua Yumibe</b> English Department	University of Michigan	<b><i>University of Michigan Visiting Professor Screen Arts and Cultures Winter 09.</i></b> This project is a contract with the University of Michigan. Joshua Yumibe will teach film studies for the Winter 2009 semester.	\$ 35,463	\$ 35,463
<b>Keyu Li</b> Mechanical Engineering	Saint-Gobain Ceramics	<b><i>A Mechanical Study on Ceramics.</i></b> The objective of this project is to identify RD needs in the areas of mechanical properties of ceramics. Some preliminary study will be carried out for developing a long-term program in order to improve mechanics and mechanical performance of ceramics material.	\$ 50,000	\$ 50,000
<b>Kimberly Drenser</b> <b>Frank GIBLIN</b> Eye Research Institute	The Lincy Foundation	<b><i>Novel Therapies for the Treatment of Age Related Macular Degeneration.</i></b> The objective of this project is to develop novel therapies for the treatment of age related macular degeneration, creating a new treatment for blindness.	\$ 890,144	\$ 890,144
<b>Zissimos P. Mourelatos</b> Mechanical Engineering	Beta Cae Systems	<b><i>Methodologies for Optimization and Vibration Analysis of Finite-Element Models.</i></b> The goal of this project is to develop computationally efficient methods for optimization and vibration analysis of large-scale finite-element models. The design of real-world structures requires optimization using large finite-element models. The proposed research improves the accuracy and efficiency and permits the use of technology in design.	\$ 75,091	\$ 150,380

## GRANTS AND CONTRACTS REPORT

January/February 2009

<b>Principal Investigator</b>	<b>Awarding Agency</b>	<b>Title and Project Abstract</b>	<b>Award Amount</b>	<b>Total Award All Years</b>
Patricia Wren School of Health Sciences	University of Michigan	<i>Identifying Factors that Influence Ulcerative Colitis and Post-Colectomy Utility. The goals of this research are to gather standardized sociodemographic data on subjects who participated in the first phase of the study evaluating the utility of standard ulcerative colitis measures. Ultimately, the completion of this research will help further develop and refine standard utility measures for use in treating ulcerative colitis patients.</i>	\$ 2,925	\$ 2,925
<b>Total</b>			<b>\$ 1,153,623</b>	<b>\$ 1,228,912</b>