

Agendum
Oakland University
Board of Trustees Formal Session
February 4, 2009

**ACCEPTANCE OF GRANTS AND CONTRACTS TO OAKLAND UNIVERSITY
FOR THE PERIOD OF OCTOBER 1 THROUGH DECEMBER 31, 2008**

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 October 1 through December 31, 2008.

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.

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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 October 1 through December 31, 2008.

9. **Attachments:** A. Grants and Contracts Report – October/November 2008
B. Grants and Contracts Report – December 2008

Submitted to the President
on _____, 2009 by

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

Recommended on _____, 2009
to the Board for approval by

Gary D. Russi
President

OAKLAND UNIVERSITY
GRANTS AND CONTRACTS REPORT
OCTOBER/NOVEMBER 2008

Attachment A

Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
Holly McFaul Lowry Center for Early Childhood	Michigan Department of Education	Michigan School Readiness Program Competitive Grant 2008-2009. <i>This funding will provide free full day preschool to eight children the year before they enter kindergarten. These eight families would not have been able to afford these services without this assistance.</i>	\$ 54,400	\$ 54,400
Reginald McCloud Department of Pre- College Programs	Michigan Department of Labor and Economics	Gear UP. <i>The purpose of this project is to provide academic and social support for students currently moving to the ninth grade with support continuing through their senior year of high school. As a result of their active participation, students will be adequately prepared for college. 12% of students will receive guidance on postsecondary planning; 5% will participate in a college visitation; 5% will receive at least one documented early intervention service; 10% will sign a pledge to become academically competitive and graduate from high school.</i>	\$ 47,840	\$ 47,840
Omar Brown-El Center for Multicultural Initiatives	State of Michigan	Students First. <i>The goal of the Students First program is to provide "at risk students" with intrusive support services to improve academic performance, first year retention and first year GPA. The plan of operation establishes targeted support services to help students develop learning strategies needed to succeed in their coursework, and to facilitate strong relationships with faculty, staff, and student leaders.</i>	\$ 60,000	\$ 60,000
Julie Ricks-Doneen Human Development and Child Study	Clinton County RESA	Collaborating for Early Intervention in Early Childhood Settings. <i>The goal of this project will be to investigate the nature of collaboration between early childhood providers, early intervention specialists and parents. The approach will be a case study including interviews and observations to examine the nature of collaboration in triads of parents, early childhood providers and early intervention specialists.</i>	\$ 10,975	\$ 10,975

OAKLAND UNIVERSITY
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Attachment A

Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
Hongwei Qu Electrical and Computer Engineering Department	Microstar Technologies LLC	Development of Electrothermally-Driven MEMS Switches. <i>This project will design, optimize, and fabricate an electrothermal RF_MEMS switch prototype cable of lateral actuation and latching. This switch can be used in FR communication systems.</i>	\$ 31,761	\$ 31,761
C. Robert Maxfield Educational Leadership	Fieldstone Alliance	Galileo Institute Organizational Assessment, Fund Development Planning and Strategic Planning. <i>Fieldstone has made funds available to sustain projects initially supported by grants from the Kellogg Foundation. This grant will make it possible to conduct a review of the programs effectiveness, capacity for expansion, and potential funding sources.</i>	\$ 25,000	\$ 25,000
Stephen Goody Art and Art History Department	Michigan Council for Arts and Cultural Affairs	Visual Arts. <i>This funding will be used to acquire supplemental support for the 2008/2009 exhibition season by allowing the gallery the ability to produce exhibition catalogues.</i>	\$ 12,000	\$ 12,000
Total			\$ 241,976	\$ 241,976

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GRANTS AND CONTRACTS REPORT
OCTOBER/NOVEMBER 2008

Attachment A

Award Established	Fund Number	New Award
10/1/2008	36816	Y
10/1/2008	32979	Y
10/1/2008	36582	Y
10/21/2008	37900	Y

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Attachment A

Award Established	Fund Number	New Award
10/22/2008	39214	Y
11/14/2008	39215	Y
11/24/2008	36587	Y

OAKLAND UNIVERSITY
GRANTS AND CONTRACTS REPORT
DECEMBER 2008

Attachment B

Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
Frances Jackson School of Nursing	Blue Cross Blue Shield of Michigan	Reducing HIV/AIDS in Michigan African American Young Adult Women. <i>The purpose of this project is to identify how young adult African American (AA) women identify HIV risky behaviors. Ten focus groups will be held in several cities around the state. The results of this project will be used to plan/design an intervention/ prevention project to reduce HIV/AIDS in young AA women in Michigan.</i>	\$ 5,000	\$ 5,000
Zissimos Mourelatos Mechanical Engineering	Magna International, Inc.	Prediction of Door Closing Effort - Enhancements and Support. <i>This is a supplemental effort to an already developed by Oakland University, mathematical model for predicting the door closing effort. The additional effort will enhance the model and also provide support to the new applications.</i>	\$ 25,000	\$ 25,000
Lorenzo M. Smith Mechanical Engineering	United States Automotive Materials Partnership	Design of Skid Line Simulation Machine for Sheet Metal Surface Quality Analysis. <i>The objective of this study is to collect and analyze experimental data which can be used to help quantify the influence of tooling radii and back force on sheet metal skid lines.</i>	\$ 45,000	\$ 45,000
Gopal Srinivasan Physics	Office of Naval Research	Electric Field Tunable Microwave and Millimeter Wave Ferrite Devices. <i>This research will focus on magnetoelectric (ME) effects in novel layered ferromagnetic-ferroelectric composites. The primary objectives are: (i) synthesis of novel ferrite-piezoelectric bilayers, (ii) wide-band magnetoelectric characterization, (iii) characterization and design of multifunctional smart sensors and signal processing devices based on such structures. The specific focus will be on single crystal/epitaxial ME structures.</i>	\$ 100,000	\$ 360,000
Sayed Nassar Mechanical Engineering	TACOM	Fastening and Joining Research. <i>FAJRI continues to conduct basic and applied research in the general area of fastening and joining metallic, polymeric, and composite materials.</i>	\$ 620,926	\$ 5,639,801

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Attachment B

Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
Gopal Srinivasan Physics	United States Army	<i>Millimeter and Sub-Millimeter Wave Magnetoelectric Interactions in Layered Multiferroics: Phenomena and Devices.</i> A research program is proposed on (i) the nature of magnetoelectric (ME) interactions at millimeter and sub-millimeter wave frequencies in ferrite-ferroelectric layered structures and (ii) design and characterization of novel dual electric and magnetic field tunable mm-wave devices. Studies will focus on basic physics and device concepts related to two important effects: ME coupling between tightly bound layers influencing the frequency of ferromagnetic resonance and ME coupling between unbound layers leading to the creation of hybrid spin-electromagnetic waves.	\$ 130,000	\$ 173,000

	Total	\$ 925,926	\$ 6,247,801
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DECEMBER 2008

Attachment B

Award Established	Fund Number	New Award
12/3/2008	39216	Y
12/3/2008	39410	Y
12/3/2008	32100	Y
12/15/2008	35302	N
12/24/2008	35079	N

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Attachment B

Award Established	Fund Number	New Award
12/9/2008	35097	N