

Fostering Collaboration to Strengthen Regional Assets

Public/Private Partnerships and Outcomes

February 2016

Developing Regional Economic Assets



- Oakland University's Macomb-OU Incubator recently created the "Velocity Hub" of Governor Snyder's Michigan Cyber Range
- Cyber-security lab, engages cyber-security students with entrepreneurship via product development and security testing within early-stage companies
- Raised funding and partnered with seven different organizations
Michigan Economic Development Corporation's - Michigan Defense Center, Merit Network, New Economy Initiative, Macomb County Government, City of Sterling Heights, and Michigan Automotive and Defense Cyber Awareness Team
- Grand Opening will be March 18, 2016



Collaborative Partners Construct Cyber Asset



New cyber laboratory within the Macomb-OU Incubator at the Velocity Collaboration Center



Oakland University Nursing and Focus Hope in Detroit



- Oakland University and Focus: Hope worked together to expand this mission to Health Care in 2015
- Oakland University at Focus: Hope offers a certificate Licensed Practical Nursing program, a Certified Nursing Assistant Program, and a Patient Care Technician Program
- Graduates of these programs are hired (over 90%) by local health care agencies
- Graduates of the LPN program are eligible to attend bridge programs to RN Licensure offered by Schoolcraft College and Oakland Community College

UNITING URBAN ACHIEVEMENT AND ACADEMIC EXCELLENCE

Vision statement

A sustainable, mutually beneficial relationship between Oakland University and the community of Pontiac

Mission statement

The Oakland University Pontiac Initiative is advancing the vitality of Pontiac while enhancing experiential learning opportunities for Oakland students. The initiative supports faculty research and promotes civic engagement in the community. In addition, it calls upon a broad network of individuals and organizations to achieve these goals by using appropriate infrastructure, human and financial resources.

Oakland University-Pontiac Partnership



- \$1.95M Grant for Healthy Pontiac initiative: Oakland County, Oakland University, and the Healthy Pontiac, We Can! Coalition partnered to receive a REACH grant that emphasizes healthy lifestyles and good food choices
- Grant is led by OU faculty member in the School of Health Sciences, Jennifer Lucarelli
- Additional Partners: All Saints Episcopal Church, Pontiac School District, Gleaners Community Food Bank, Centro Multicultural La Familia, McLaren Oakland Hospital, Oakland County Economic Development & Community Affairs, and Oakland Livingston Human Service Agency

Oakland University-Pontiac Partnership



- Parent University; designed to help parents be advocates for their students' success; recent session (2/4/16) had 200 attendees
- Economic Development: The School of Business Ideas to Business (I2B) program working to simulate development of new businesses in Pontiac. Working with 7 startup project and funding options with banks
- Service Learning: 9 interns from OU placed in City Hall in Pontiac; 3 additional interns worked with Mayor Dierdre Waterman to produce the first Spirit of Pontiac newsletter

Oakland University-Pontiac Partnership



INSIDE:

Economic recovery plan is focused on citizens and education – see page 2



SPIRIT of PONTIAC

SUMMER 2015 • COMMUNITY NEWSLETTER OF THE CITY OF PONTIAC • INAUGURAL EDITION

Budget surplus allows leaders to implement strategic plan

By PAIGE BROCKWAY

Pontiac residents can expect to see positive changes kicking in with the 2015-2016 budget, according to Mayor Deirdre Waterman.

The new budget's funds will be allocated to key areas including:

- Public safety.
- Road and bridge maintenance.
- Establishment of a blight court to strengthen neighborhoods.

The new budget "takes us away from

INSPIRING CIVIC INVOLVEMENT



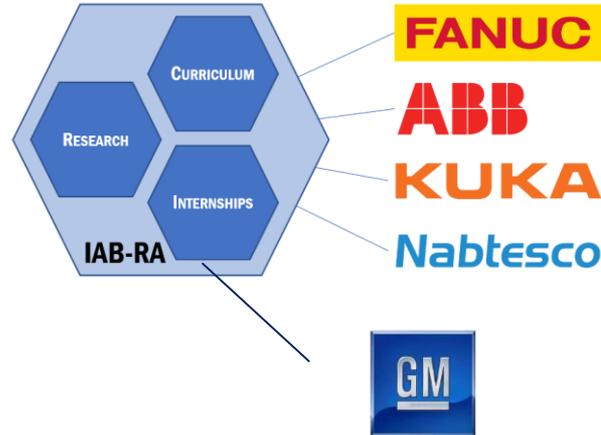
Oakland University-Pontiac Partnership



- Oakland University William Beaumont School of Medicine: medical students teach health lessons in Pontiac classrooms
- School of Engineering and Computer Science partners with Welcome Missionary Baptist Church in Pontiac to create a customized STEM-based hands-on, project-based space camp
- OU's Kresge Library and the Pontiac Public Library partner on a series of events celebrating literacy, creativity and the freedom

Industry Advisory Board – Robotics & Automation (IAB-RA)

- IAB-RA was formed to create a strong link between industry and engineering education at Oakland University
- Help in accelerating the new Industrial Robotics program in the SECS
- Serves as a mechanism to:
 - Inform curriculum
 - Provide resources and experiential learning opportunities for students
 - Link highly sought after interns and new graduates with employment opportunities
 - Identify pertinent industry-related research



- Helped in starting the Industrial Robotics Program:
 - 3 undergraduate courses
 - Industrial Robotics Lab
 - Internships
 - Student projects
 - Research

Industrial Robotics Lab

- 9 state-of-art industrial robots with vision
- Latest vision equipment and software
- Funded with over \$500,000 contribution in cash, equipment and software from IAB-RA
- Over \$100,000 provided for student projects

Companies that have directly contributed to Center of Advanced Manufacturing and Materials (CAMM)

- FCA Automobiles
- Ford Motor Company
- General Motors
- AK Steel
- Novelis
- BMAX
- US Steel
- Alteris
- Schuller
- Quaker



Automated stamping cell for testing die wear, trimming quality and sheared edge evolution in high volume production conditions at OU Incubator



Study of sheared edge fracture mechanisms



- Opened new Applied Behavior Analysis Clinic at OU in 2015
- OUCares offers autism support programs and camps for the community
- Partners include:
 - The Ted Lindsay Foundation
 - New Horizons Rehabilitation Services, Inc.
 - Judson Center
 - Autism Society Oakland County
 - Autism Society Macomb St. Clair
 - Autism Speaks
 - Smiles for Children

Partnerships and Collaborations



AK Steel Corporation
American Educational Research Association
American Medical Association Foundation
American Physical Therapy Association
Amerilodge Group LLC
Arnold P Gold Foundation
Auto/Steel Partnership
Automation Alley
Axalta Coating Systems, LLC
Battelle, Pacific Northwest Division
Beaumont Health System - NIH
Beaumont Research Institute
BETA CAE Systems USA, Inc.
Blue Cross Blue Shield of Michigan Foundation
Brooksie Way Minigrants
Burrroughs Wellcome Fund
Centers for Disease Control and Prevention
Check Corporation
Chrysler Company LLC
DENSO International America, Inc.

DTE Energy
ESI Group
Filmer Memorial Charitable Trust
Ford Motor Company
General Motors Company
George Washington University
Grand Valley State University - MEDC
Health Resources & Services Administration
Henry Ford Health System
Huron Mt. Wildlife Foundation
Illinois State University
Indiana University
International Reading Association
Johnson Controls Foundation
Jonas Center for Nursing Excellence
Kresge Foundation
Michigan Campus Compact
Michigan College Access Network
Michigan Council For Arts And Cultural Affairs
Michigan Department of Community Health

Partnerships and Collaborations



Michigan Department of Labor & Economic Growth
Michigan Economic Development Corporation
Michigan Space Grant Consortium - NASA
Michigan State University
Mississippi State University
Myongji University
National Inclusion Project
National Institutes of Health
National Science Foundation
National Writing Project
NBC Universal Inc
Oakland County Health Department
Oakland Schools
Ohio State University - ARRA
OptimizeRx
RHK Technology, Inc.
SIR Foundation
Spencer Foundation
State of Michigan - Department of Education
State of Michigan - King Chavez Parks Initiative

Stevens Institute of Technology
Suzhou Gas Equipment & Valve Manufacture Co Ltd
Tongji University
U.S. Army TACOM
U.S. Department of Agriculture
U.S. Department of Defense - DARPA
U.S. Department of Health and Human Services - HRSA
U.S. Department of Health and Human Services – SAMHSA
University of Colorado Boulder
University Of Michigan
University of Nebraska - Lincoln
Vanderbilt University
Western Michigan University
Yale University

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