Innovation Ecosystem Edition!
The Virtuous Cycle

...Boiler Up

Corporate $

Government $

R & Delivery Machine

Innovations (IP maybe)

Talent

Capital

Startup

In-state

Out-of-state

Corporation License

Further Development

Research Funds

Department

Innovator

Royalties

Next Gen Workforce

Hoosier Employment

Purdue Value to Market

Innovations
- Bindley Bioscience Center
- Birck Nanotechnology Center
- Burton D. Morgan Center for Entrepreneurship
- Discovery Learning Research Center
- Global Sustainability at Purdue
  - Center for the Environment
  - Energy Center
  - Purdue Climate Change Research Center
  - Center for Global Food Security
  - Water Community
- ACCESS: Advanced Computational Center for Engineering and Sciences
  - Cyber Center
  - Rosen Center for Advanced Computing (ITaP)
- Oncological Sciences Center
- Regenstrief Center for Healthcare Engineering
From the Laboratories to the Market

New Discoveries

Purdue Foundry

New Companies
Purdue Research Park

- 3,557 employees
- $63,000 average wages
- 165 firms
- $1.3B annual impact on Indiana’s economy
- 725 acres
- Large Scale Small Company Incubation

Awards

- AURP Outstanding Science/Research Park
- NBIA Incubator Network of the Year

Large-scale Incubation
## Professional Services Solutions

- **Purdue Foundry**
  - University Connections/Faculty Access
  - Purdue Equipment & Facilities
  - Technical Assistance Program
  - Human Resources/Employment
  - Job Placements/Job Fair
  - Media Relations/Marketing
  - Flexible Space and Leases
  - Industry Cluster Management
  - Networking Opportunities
  - Conference and Gathering Areas
  - Professional Conference Management
  - Business Plan Competitions
- Entrepreneurship Training
- Pre-Seed Investments
- Reception and Admin Support
- Top Quality Business Equipment
- High-speed Internet & Wireless
- Fiber connection to Purdue University
- Two-Way Video
- Community Vendor Access
- SBDC/IEDC Services
- Governmental Relations
- Mail & Shipping
- Security
- Fortune 500 Atmosphere Assistance
Helping the Purdue Community move ideas to the marketplace through new ventures

www.purduefoundry.com
Purdue Foundry Goals & Metrics

Why?

• Move ideas and innovations to the marketplace
• Capitalize on Purdue’s vast talent and innovation capabilities
• Produce happier, longer and healthier lives through innovation
• Produce high quality jobs for our community and state

FOUNDRY METRICS

July 2014 & 2015
Purdue announces record-breaking years in commercialization!

www.purduefoundry.com
Overall Foundry Activity = Five Firsts

- TEAM
- CUSTOMER
- MARKET
- PROTOTYPE
- MONEY
• Opportunity Assessment
• Business Model Development
• Alumni Network Expertise & Mentoring
• Market Assessment
• Funding Support
  • Angel & Venture
  • Grants
• Education & Training
• Website & Web Training Tools
• Legal Assistance
• Events
Recent New Funding Sources

- $12 Million Foundry Fund
  - Companies:
    1) OnTarget
    2) Spensa
    3) Symic Biomedical
    4) FAST Biomedical

- $2 Million Elevate/Foundry Fund
  - 8 companies/year

- SBIR Match
  - Animated Dynamics
  - Concordance Health Solutions
  - High Performance Imaging
  - SensorHound Innovations
  - Spensa Technologies
  - Spero Energy
Startups • Ideas • Entrepreneurship
Every Friday @ The Foundry
Burton D. Morgan Center for Entrepreneurship

1201 West State Street, West Lafayette
8:00 - 9:00 am
foundry@prf.org for more information
www.purduefoundry.com

www.purduefoundry.com
THE FOUNDRY PRESENTS

The Spirited Entrepreneur

EST 2014

WEST LAFAYETTE, IN

www.purduefoundry.com
women IN
entrepreneurship | innovation | collaboration
• Largest student-run coworking space in the country
• Hub of creative culture at Purdue
• Community for entrepreneurs
THE ANVIL

Forge Speakers Series
The Boiler Competition
Hack the Anvil
CoderDojo
BoilerMake
$10,500 in total prizes!

SCHURZ INNOVATION CHALLENGE @PURDUE

SIGN UP TODAY!
MENTORING SESSIONS AVAILABLE

foundry@prf.org

do you have an innovative idea & interest in creating a prototype?
Would you like to explore how your idea may be of interest to Schurz Communications?
All teams must include at least one Purdue student.
(more eligibility information online)
Connection to MatchBox
Artisan & Fabrication Lab growing into Makers Space

In One Year:

- 45% increase in users
- 130% increase in hours of usage
- 11 New Co projects
- Available to all Purdue Faculty, Students, and Staff
Deliberate Innovation Faculty Fellows
“Research and Company Hunters”

Identify
• Opportunity Technologies/Areas

Determine
• Best Research Direction

De-risk
• Investor Ready

Define
• First Product/Customer

Develop
• Value Proposition

Startup
“Shots on Goal” & “Feed Research Goose”

Alyssa Panitch
Leslie A. Geddes
Professor
Weldon School of Biomedical Engineering

Cliff Johnston
Professor of Soil Chemistry
Crop, Soil & Environmental Sciences

Ernesto Marinero
Professor of Engineering Practice
Materials Engineering

Lonnie Bentley

Eric Dietz
Professor, Computer & Information Technology

Matthew Lynall
Clinical Associate Professor
Director of Experiential Learning and Management Consulting

Riyi Shi
Professor
Neurosciences, Basic Medical Sciences

Lonnie Bentley
National Business Incubation Association
2014 Incubator Network of the Year Award

National Business Incubation Association

Incubator Network of the Year

Purdue Technology Centers
Purdue Foundry

Presented by
University of Central Florida Business Incubation Program

May 2014
New Orleans, Louisiana
Foundry Client Showcase

IMPROVING INSECT CONTROL IN AGRICULTURE

Park developed the automated, electronic Z-Trap to monitor insect-pest populations in orchards and fields. Commercialized through Park’s company, Spensa Technologies Inc., Z-Trap helps farmers maximize crop quality and minimize insecticide emissions.

Purdue University

www.purdue.edu
INNOVATING ASSISTIVE TECHNOLOGIES

Duerstock is co-founder and director of Purdue's Institute for Accessible Science, which increases technological accessibility for persons with disabilities. He developed an accessible microscope and "RoboDesk," a wheelchair-attached desk for iPad, writing, and other uses.
Foundry Client Showcase

Vibronix

Medical Device to detect harmful plaque

Needs Funding

Barbeque briquettes from coffee grounds

Needs Mentor Funding
Foundry Client Showcase

ATLAS Energy Systems

Energy conversion technology to make high efficiency and cost effective power

Needs
Funding
Advisory Board Members with scientific knowledge

Bearing Analytics

Sensor based vibration analysis

Needs
Funding
Gregory W. Deason  
Sr. Vice President — Purdue Research Foundation  
Executive Director — Purdue Foundry & Purdue Research Park  
Associate Director of Experiential Programs — Burton D. Morgan Center for Entrepreneurship  
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