Where are we?

School of Computer Science Complex

Collaborative Innovation Center

The Gates/Hillman Center

Newell Simon Hall
School of Computer Science

• Computer Science Department
• Robotics Institute
• Institute for Software Research
• Human Computer Interaction Institute
• Language Technologies Institute
• Machine Learning Department
• Entertainment Technology Center

Numerous Affiliates/Collaborations across campus and with the University of Pittsburgh

Many Centers, eg
• QoLT Center
• ALADDIN Center
Why Olympus?

Mission: To *bridge the gap* between world-class university research & economy-stimulating commercialization for the benefit of our communities.
Why Olympus?

• To Create a Culture/Climate and Community
• To Enable Talent and Ideas to Grow in the Region
LAUNCHED WITH AN INITIAL GRANT FROM THE HEINZ ENDOWMENTS IN JANUARY 2007

A MULTI-FACETED APPROACH
Mission: *Bridge the Gap* between Cutting-Edge University Research and Economy-Stimulating Commercialization for the benefit of our communities

**Carnegie Mellon**
- Research
- Education
- Interdisciplinary
- Can-Do Culture

**Western Pennsylvania**
Next Gen Economy & Education
IT Infusion
- Start-Ups
- Spin-Offs
- Licenses
Mission: *Bridge the Gap* between Cutting-Edge University Research and Economy-Stimulating Commercialization for the benefit of our communities

**Project Olympus**

**Synergistic Model**

- **Carnegie Mellon**
  - Research
  - Education
  - Interdisciplinary
  - Can-Do Culture

- **PROBEs**
  - Open Collaborative Research/Commercial Explorations
  - Prototypes
  - Innovations

- **Western Pennsylvania**
  - Next Gen Economy
  - Education
  - IT Infusion
    - Start-Ups
    - Spin-Offs
    - Licenses
Vision: Create a Life-Cycle of University Research & Commercialization for the benefit of our communities

Project Olympus
Synergistic Model

Carnegie Mellon
Research & Education Interdisciplinary Can-Do Culture

PROBEs
Open Collaborative Research/Commercial Explorations Prototypes Innovations

Western Pennsylvania
Next Gen Economy & Education IT Infusion
• Start-Ups
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Vision: Create an Eco-system
University Research & Commercialization
for the benefit of our communities

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Synergistic Model

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New Resources & Ideas Stimulate
New Research/Innovation
The Pittsburgh Technology Innovation Community is a network of entities including startups, foundations, angels, and venture capitalists (VCs) that support the growth and development of innovative technologies and products. The community includes:

- **Idea Development**: Featuring organizations like IDEA FOUNDRY and Innovation Works (IW) that provide early-stage support.
- **Startup**: Supporting early-stage companies with various services.
- **Early Growth**: Focused on companies that are growing rapidly.
- **Rapid Growth**: For companies scaling quickly.
- **Maturity**: Supporting established companies.
- **Reinvention**: Aid for companies in the later stages of growth.

**KIZ** (Keystone Innovation Zone) is a hub that facilitates technology transfer and collaboration. It includes entities like CMU/UPMC and PLSG.

**PRA** (Pgh Regional Alliance) offers attraction and support services.

**PTC** (Pgh Technology Council) serves as a trade association for the technology community.

**LIFE SCIENCES** include organizations focused on drug discovery, tissue/organ engineering, neurological treatments, and medical devices.

**INFORMATION TECHNOLOGY** encompasses cyber security, robotics, electronics/embedded systems, and other technologies.

**OTHER TECHNOLOGIES** cover a wide range of innovations.

**Foundations**, **Angels**, and **VCs** are crucial for financing and supporting the development of innovative projects.

(PRA=Pgh Regional Alliance, PTC=Pgh Technology Council, PLSG= Pgh Life Sciences Greenhouse, KIZ = Keystone Innovation Zone)
Pittsburgh Technology Innovation Community

Idea Development

Startup

Early Growth

Rapid Growth

Maturity

Reinvention

NON-TECH

LIFE SCIENCES

INFORMATION TECHNOLOGY

OTHER TECHNOLOGIES

UNIVERSITIES/CMU/UPMC

leveraging $ billion research

IDEA FOUNDRY

PLSG

KIZ

PTC – Trade Association

IDEA FOUNDRY

Drug Discovery

Tissue/Organ Engineering

Neurological Treatments

Medical Devices

INFORMATION TECHNOLOGY

Cyber Security

Robotics

Electronics / Embedded Systems

OTHER TECHNOLOGIES

Foundations

Angels

VCs

PRA= Pgh Regional Alliance, PTC= Pgh Technology Council, PLSG= Pgh Life Sciences Greenhouse
KIZ = Keystone Innovation Zone

(NB. This diagram is a modification of a TTC slide)
Pittsburgh Technology Innovation Community

Idea Development
Startup
Early Growth
Rapid Growth
Maturity
Reinvention

PRA – Attraction and Support Services

PTC – Trade Association

KIZ = Keystone Innovation Zone

PLSG = Pgh Life Sciences Greenhouse

CMU / UPMC

Universities /

Olympus

Ideas Foundry

INFORMATION TECHNOLOGY

Robotics
Electronics / Embedded Systems
Cyber Security

Robotics

IWD / Innovation Works

OTHER TECHNOLOGIES

Foundations

Angels

VCs

PRA = Pgh Regional Alliance, PTC = Pgh Technology Council, PLSG = Pgh Life Sciences Greenhouse

KIZ = Keystone Innovation Zone

(NB. This diagram is a modification of a TTC slide)
A Multifaceted Approach

- PROBEs at the Core
- CONNECTs Students
- CONNECTs Faculty
- CONNECTs Community
• Teams of students, grads, faculty & business advisors work together on focused
• PROBEs (PROBlem-oriented Explorations) to develop potentially commercializable ideas and projects emerging from core university research.

NewSpace, 4620 Henry Street
Teams of students, grads, faculty & business advisors work together on focused PROBEs (PROBlem-oriented Explorations) to develop potentially commercializable ideas and projects emerging from core university research.
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Teams of students, grads, faculty & business advisors work together on focused
- PROBEs (PROBlem-oriented Explorations) to develop potentially commercializable ideas and projects emerging from core university research.

- Micro-grants, Matching Funds
- Space, Equipment
- Advice, Education, Assistance
- Networks, Connections, Contacts
- Visibility
Teams of students, grads, faculty & business advisors work together on focused PROBEs (PROBlem-oriented Explorations) to develop potentially commercializable ideas and projects emerging from core university research.
Teams of students, grads, faculty & business advisors work together on focused PROBEs (PROBlem-oriented Explorations).

Babs Carryer
Embedded Entrepreneur

Kit Needham
Senior Business Advisor
Project Olympus CONNECTS Students

Learn how to:

- Identify potential business ideas through “ideation”
- Quickly screen ideas to pick the most promising

Bring your ideas, large and small. We’ll break up into small groups and practice the techniques on the ideas that everyone brings. Who knows – you may find a great idea and teammates at the same time!

Special Guest Speaker

Kit Needham
Senior Business Advisor, Project Olympus
Project Olympus
CONNECTS FACULTY

Monday, March 30, 2009
4:00-5:30 pm
Newell Simon Hall
Mauldin Auditorium (1305)
Carnegie Mellon

The Path from Basic Research to the Market Place

• Please join us for a discussion about taking your research from the lab to the marketplace

• Babs is a serial entrepreneur who has worked with faculty and scientists to commercialize their innovations into startups

• Her talk is aimed at demystifying the commercialization process for faculty and researchers, who are new to the world of intellectual property, venture finance, stock ownership, and market entry for new products

Babs Carryer
Project Olympus’s Embedded Entrepreneur
Adjunct Professor at Tepper and Heinz College
Carnegie Mellon University
Project Seeking Talent (*requires login)

Talent Seeking Project (*requires login)

Special Interest Groups Forum (*requires login)

Upcoming Events ▼

Olympus Connects Women@SCS
Kit Needham • Wednesday, April 1, 2009 • 4:30pm • 4623 Wean Hall

→ Inventing the Future Conference
(YII Conference Poster) • (Conference Agenda)
April 3rd and 4th, 2009 • NSH Atrium ▶

→ Take what you have; and make of it what you can!
Milton Fine • April 7, 2009 • 4:30pm • MMCH 103, Breed Hall ▶

Please Check-out ▶
Projects Seeking Talent

Name: Marek Michalowski  
Department/year: Robotics Institute, PhD student,  
Email: info@beatbots.org  
Phone: +1.412.519.2488

Project Name: BeatBots  
Website: http://beatbots.org

Project Description: BeatBots LLC is designing and commercializing socially interactive robots for entertainment, research, and therapy.

Job Description: 1) Looking for a team member with experience in business development. 2) Looking for a developer of entertainment software.

Talent Needed: 1) Skills in business strategy, marketing, sales. 2) Skills in programming for games or interactive systems.

Posting Date: Monday, March 2, 2009
• Frequent **Show and Tells**
  showcase Olympus PROBEs, budding talent, local start-ups, university research and guest perspectives

• for the regional civic and innovation/investment communities.
TODAY’s SHOWCASE

A FOCUS ON RESEARCH
from the School of Computer Science (SCS)

- Prof. Tom Mitchell, Chair, MLD, SCS
  "Reading Your Mind"

START-UPS & SPIN-OFFS

- Prof. Maxine Eskenazi, LTI & CTO, Carnegie
  "Native Accent™ and Carnegie Speech™"

- Dr. Alberto Gandini, MBA candidate, Tepper
  (Winner of the Life Sciences Track in the 2008 McGinnis Venture Competition)
  "Tropical Health Systems Combat Malaria"

- David Chen, student, Information Systems (H&SS) &
  "Fooala: Web-Enhanced Dining"

OLYMPUS CONNECTS

- Anne Swift, Pres & Founder, Young Inventors International
  "What are Brain Buzzes?”
Reading Your Mind

Prof. Tom Mitchell,
Chair, Machine Learning Department
Native Accent™ and Carnegie Speech™

Prof. Maxine Eskenazi
LTI & CTO, Carnegie Speech™
Tropical Health Systems: Combating Malaria

Dr. Alberto Gandini
MBA candidate, Tepper
(Winner of the Life Sciences Track in the 2008 McGinnis Venture Competition)
Fooala: Web-Enhanced Dining

David Chen
Undergrad, Information Systems (H&SS) & HCI (SCS)
YII & Brain Buzzes

Anne Swift
Pres & Founder, Young Inventors International
LET the SHOW BEGIN!
OLYMPUS is a HUB
an ATTRACTOR, CONNECTOR, INCUBATOR, INNOVATOR, MICRO-INVESTOR, ACCELERATOR
CREATOR: CULTURE, CLIMATE, COMMUNITY, ENABLER: TALENT, IDEAS, TO GROW IN THE REGION
STIMULATOR: REGIONAL ECONOMY
a SHOWCASE, HIGHLIGHTER, PROMOTER: ENTREPRENEURIAL, COMMERCIALIZABLE,
CUTTING-EDGE, HIGH TECH, NOVEL, NEXT GENERATION, EXCITING, SHARE, COMBINE.

We are SITTING on a GOLDMINE: TALENT, DIVERSE
ENERGY, INTERDISCIPLINARY RESOURCES,
SCIENCE, TECHNOLOGY, ARTS,
We NURTURE, STIMULATE, ENCOURAGE, EXPLORE, We are NETWORKED, LIKE-MINDED, KINDRED SPIRITS,
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- a SHOWCASER, HIGHLIGHTER, PROMOTER: ENTREPRENEURIAL, COMMERCIALIZABLE, CUTTING-EDGE, HIGH TECH, NOVEL, NEXT GENERATION, EXCITING,
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