Internet of Things Applications: From research to innovation for market opportunities

Celebration of Grand Opening of Microsemi Innovation Lab

Tuesday, Nov. 3, 2015

Innovate. Integrate. Incubate. Ignite.

Calit2
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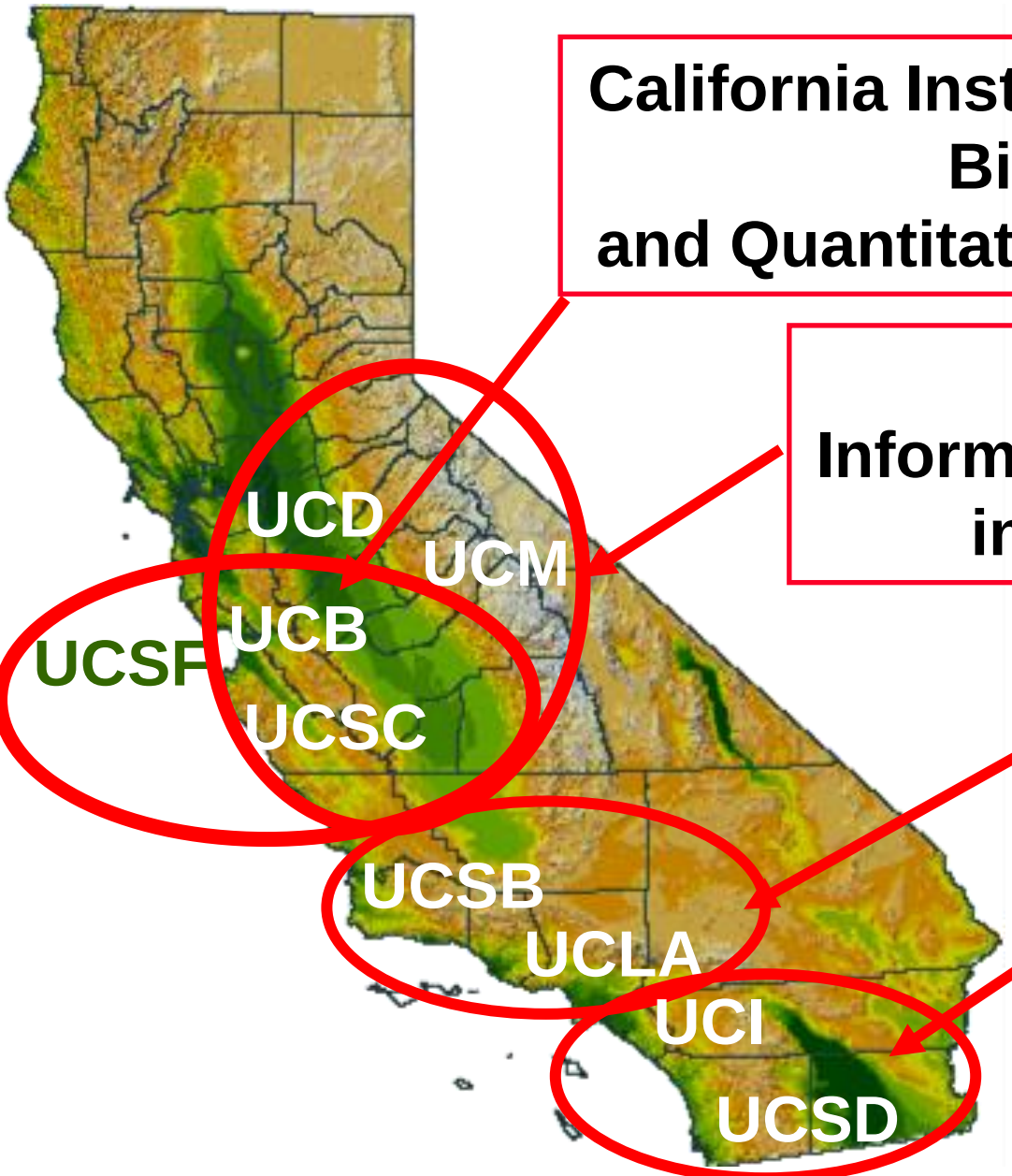
California's Institutes for Science and Innovation: A Bold Experiment in Collaborative Research



California Institute for Bioengineering, Biotechnology, and Quantitative Biomedical Research

Center for Information Technology Research in the Interest of Society

California NanoSystems Institute

California Institute for Telecommunications and Information Technology

www.ucop.edu/california-institutes

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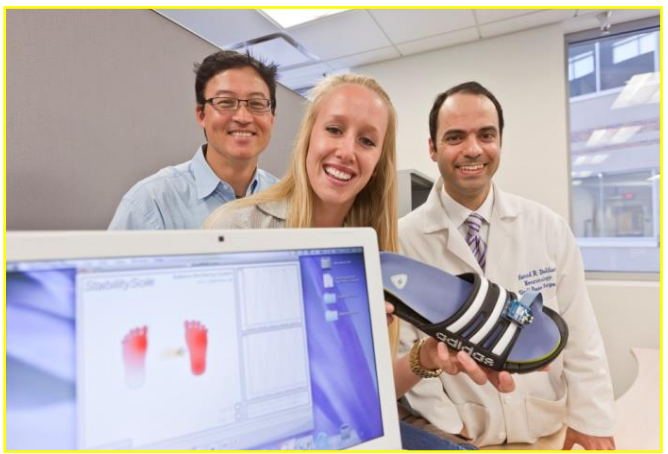
Calit2's Mission

Innovate total solutions that benefit society
Integrate research disciplines with industry/community participation
Incubate technology startups and social entrepreneurs
Ignite economic development and sustainable community support

Calit2 Research & Development Focus

The Digital Transformation of….

Healthcare



Energy

Environment

Culture

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Calit2@UCI *Innovation* Pipeline

Resources for IoT research, development, demonstration, and deployment projects enable:

Atoms/Materials to Products/Markets (AM to PM) solution

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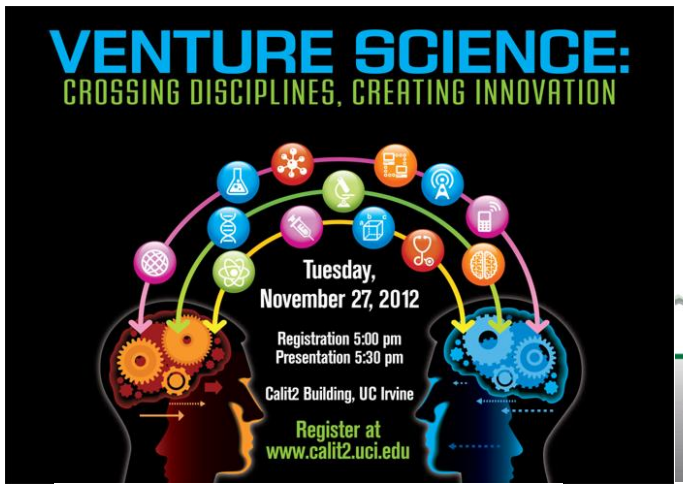
Integration with Community



OCTANe
Fueling Innovation in the OC

iHub
CALIFORNIA
INNOVATION HUB

Blackstone LaunchPad
UNIVERSITY of CALIFORNIA | IRVINE

Calit2
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Incubation via Calit2 UC Irvine TechPortal

- **Opened June 2010 in Calit2 Building – has incubated a total of 15 startups, currently 6 tenants**
- **Combined, the 15 occupants have raised more than $10 M in angel funds (private and public sources)**
- **Fosters formation of viable startup companies based on university IP or founded by university faculty, staff and students**
- **Serves as a nexus for synergistic research development and deployment activities**

Integra Devices

GK Materials

BIOPICO SYSTEMS

NEPTUNE DIAGNOSTICS

Flint REHABILITATION DEVICES

DEFINEQA

SHOELACE

Velox Biosystems
defining the future of rapid and sensitive tests.

GARBLECLOUD INC!

ZeroWatt Technologies

SRCH2

TEAR DIAGNO EYE DIAGNOSTIC SOLUTION

praxis BIOSCIENCES

SHRINK NANOTECHNOLOGIES

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An OC Ecosystem for *Ignition*

Industry Partners

University of California · Irvine
Shaping the Future

The Paul Merage School of Business
University of California · Irvine

The Don Beall Center for Innovation and Entrepreneurship

OCTANE
Fueling Innovation in the

Calit2 UC Irvine
TechPortal

EvoNexus

UCI Applied Innovation

ALLIANCES
BUILDING ALLIANCES FOR INNOVATION

OCBIN
ORANGE COUNTY BUSINESS INCUBATION NETWORK

Calit2
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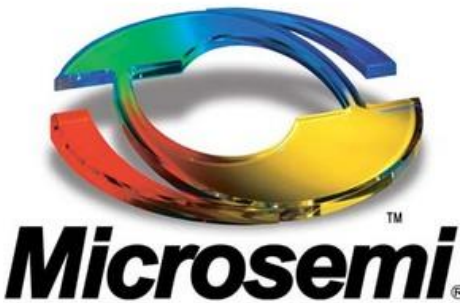
Strategic Initiatives for IoT OC Ecosystem

- **Website showcasing Calit2 strengths (iot.calit2.uci.edu)**
- **Monthly seminar series with IoT industry speakers**
- **Interactive IoT Industry Matchmaking Database**



Developing proof-of concept, prototyping and makerspaces on Calit2 second floor:

- **2/17/15 FABWorks grand opening with funding support from Kay Family Foundation: DIY lab**
- **11/3/15 Opening of the Microsemi Innovation Lab for IoT**

In Negotiation:

- **ANSYS Design and Simulation Center for IoT Edge Devices**
- **EON Reality AR/VR Interactive Design Center for Knowledge Transfer in IoT**