Research@Intel 2012
What You’ll See Today
R@I 2012: Facets of Future Life

**My Life**
- Virtual dressing room
- Immersive shopping
- Life without keys

**My Job**
- Visual analytics for complex projects
- Real-time assistant for group conversations

**My Car**
- Intelligent headlights seeing through rain
- Research-driven “automobility”

**Essential Tech**
- 3D Web
- The face of security
- Context-aware video streaming
University Collaborations Panel
Featuring Leaders from Intel Research Centers from Around the World

SOCIAL COMPUTING
United States
Paul Dourish

BIG DATA
United States
Pradeep Dubey

COMPUTATIONAL INTELLIGENCE
Israel
Ronny Ronen

SECURE COMPUTING
Germany
Dr. Matthias Schunter

SUSTAINABLE CONNECTED CITIES
United Kingdom
Charlie Sheridan

Hosted by Limor Fix, Director, University Collaborative Research
Screening Room, 2nd Floor, 11:15 a.m.–12:00 p.m.
My Car: Automotive Research Breakout

Brian David Johnson
Futurist and Director
Future Casting
Interaction & Experience Research
Intel Labs

Screening Room, 2nd Floor, 1:00-1:30 p.m.
Innovative Industrial Research in the 21st Century

- New collaborative research models
- Innovation over invention
New Models for Global University/Industry Research

Intel Collaborative Research Institutes (ICRIs)

- Computational Intelligence
- Secure Computing
- Sustainable Connected Cities
- Connected Contextual Computing
- Visual Computing
Breaking Barriers to U.S. University Collaboration

*Intel Science & Technology Centers (ISTCs)*

Creating New Research Communities

- Intel Researchers
- Hub Univ. Researchers
- Spoke Univ. Researchers

Pervasive Computing

Visual Computing

Secure Computing

Cloud Computing

Big Data

Embedded Computing
Breaking News: The ISTC for Social Computing

The 7th and Newest Intel Science and Technology Center

Genevieve Bell
Intel Fellow and Director Interaction & Experience Research, Intel Labs

Paul Dourish
ISTC-Social Academic PI
Professor of Informatics, UC Irvine

First ISTC focused on exploring the future of people and technology
Praise for the ISTC for Social Computing

“This is a fantastic proposal. In fact it’s not only the best proposal I have seen in the social sciences - at some point I would like to use it as a paradigmatic example of a great proposal on deeply significant and timely issues that need to be explored and problematized.”

John Seely Brown
Former Chief Scientist of Xerox & director of Xerox PARC
Research Agenda

Exploring IT and Digital Media as Social and Cultural Phenomena

- **Materialities of Information**: Re-thinking information as grounded in materials and physical objects
- **Information Ecosystems**: How we relate to each other in, around, and through data
- **Subjectivities of Information**: Moving beyond “the user” as the center of user experience and user-centered design
- **Creativity and Collectivity**: Group-embedded technical creativity and how it can change the world
- **Algorithmic Living**: Digital representations and algorithms that change how we understand ourselves
Innovative Industrial Research in the 21st Century

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- Innovation over invention
Invention to Innovation
10 Years of Measurable Intel Product Roadmap Impact

INVENTED@INTEL LABS

Light Peak

Polaris & Single-chip Cloud Computer

Platform Power Management

Polaris & Single-chip Cloud Computer

Platform Power Management

THUNDERBOLT.

Intel Inside

Intel Inside

Intel Inside

Intel Inside

See All Ten Hall of Fame Technologies in the Grand Lobby

INTEL PRODUCT INNOVATIONS
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Questions?
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2012