

# Research@Intel 2012





## R@I 2012: Facets of Future Life



## My Life

- Virtual dressing room
- Immersive shopping
- Life without keys



## My Car

- Intelligent headlights seeing through rain
- Research-driven "automobility"



## My Job

- Visual analytics for complex projects
- Real-time assistant for group conversations



#### **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

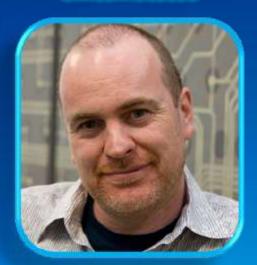
SOCIAL COMPUTING **United States** 





SECURE COMPUTING Germany





**Paul Dourish** 



**Pradeep Dubey** 



Ronny Ronen



Dr. Matthias Schunter Charlie Sheridan





Hosted by Limor Fix, Director, University Collaborative Research Screening Room, 2<sup>nd</sup> Floor, 11:15 a.m.–12:00 p.m.



#### Tech Trends Table Talks

Featuring Intel Principal Investigators from Around the World

CONNECTED CONTEXT COMPUTING

CLOUD & BIG DATA

SECURE COMPUTING

VISUAL COMPUTING

EMBEDDED & PERVASIVE COMPUTING



Jane Hsu ICCCC NTU PI



Pradeep Dubey ISTC-BD Intel Pl



John Manferdelli ISTC-SC Intel PI



Pat Hanrahan ISTC-VC Stanford Pl



Priya Narasimhan ISTC-EC CMU PI



Yen-Kuang Chen ICCCC Intel Pl



Greg Ganger ISTC-CC CMU PI



Matthias Schunter ICRI-SC Intel PI



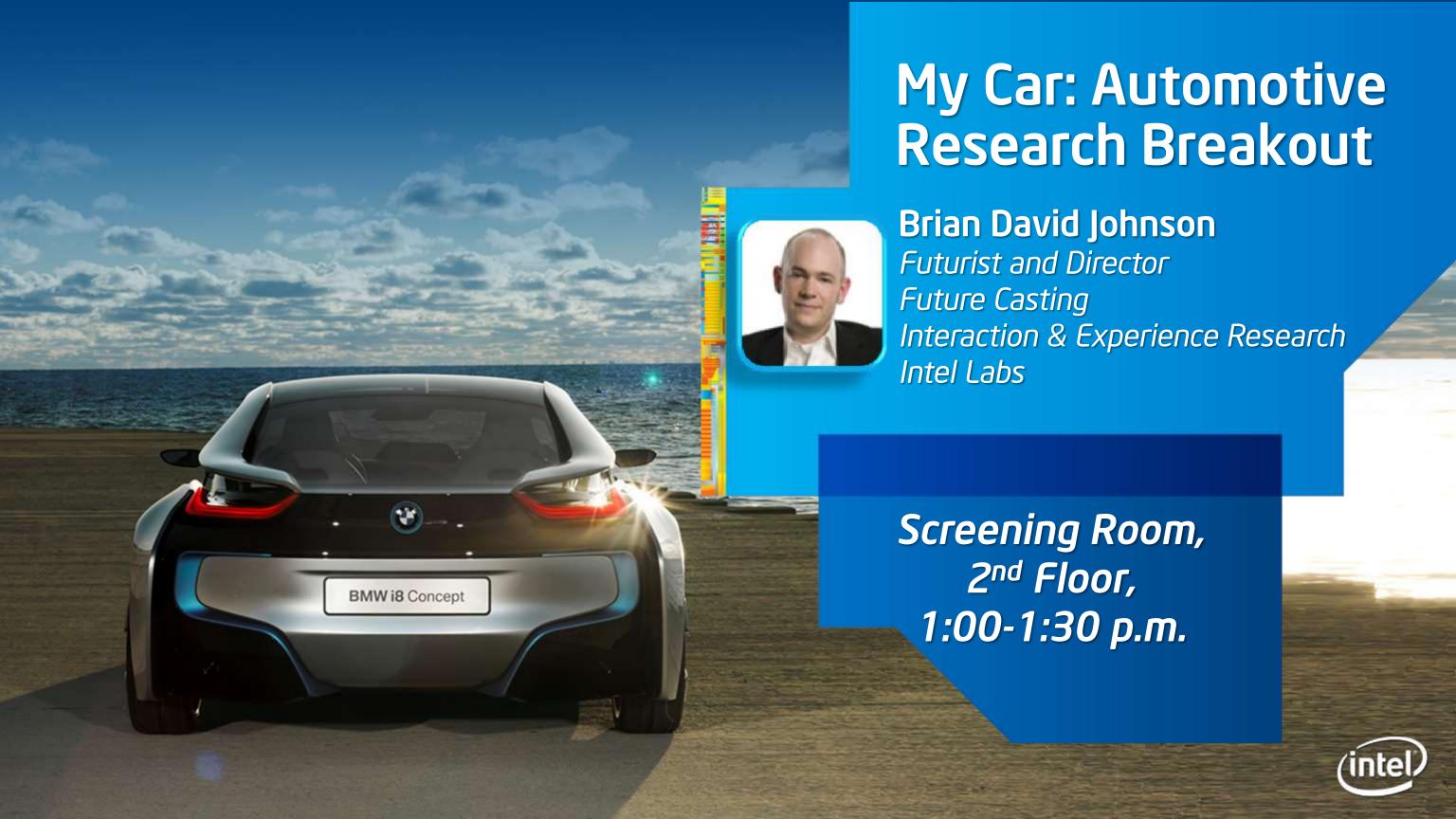
Jim Hurley ISTC-VC Intel Pl



Dieter Fox ISTC-PC UW PI

Over Lunch in the Grand Lobby, 12:00-1:00 p.m.







# 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)







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



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



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



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





## Invention to Innovation

10 Years of Measurable Intel Product Roadmap Impact

#### **INVENTED@INTEL LABS**



Light Peak











See All Ten
Hall of Fame Technologies in
the Grand Lobby



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