Sensory and imaging technology in science, health and security

From this….

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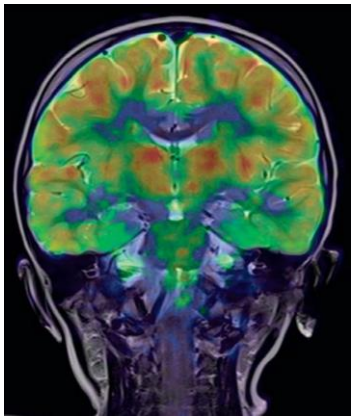

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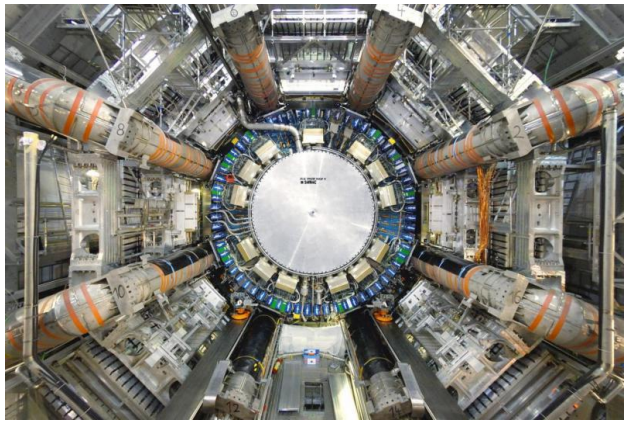

TAF TECHNOLOGY ACADEMY FINLAND

AWARDING THE MILLENNIUM TECHNOLOGY PRIZE

CERN

Our agenda

15:00 - 15:05 **Welcoming words** **Rolf Heuer, Director General, CERN**

15:05 - 15:15 **Finland's Millennium Technology Prize – science and innovation award promoting sustainable growth**
Dr Juha Yla-Jaaski

15:15 - 15:20 **Greeting by Ambassador of Finland to UN**
Mrs. Paivi Kairamo

15:20 - 16:45 **Panel: Sensory and Imaging Technology in Science and in Medical and Security Applications**
Andrea Cuomo, Peter Dendooven, Sergio Bertolucci
Moderator: Luke Collins

16:45 - 17:00 **Q&A**

17:00 - 17:15 **End of session at IdeaSquare, transfer to Restaurant 2**

17:15 - 19:00 **Cocktails and Networking**

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Welcome

Prof Rolf Heuer

Director General

CERN

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Finland's Millennium Technology Prize – science and innovation award promoting sustainable growth

Dr Juha Yla-Jaaski

CEO, Technology Academy Finland

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Greetings

Ms Paivi Kairamo

Finnish Ambassador

to the UN

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Our panellists

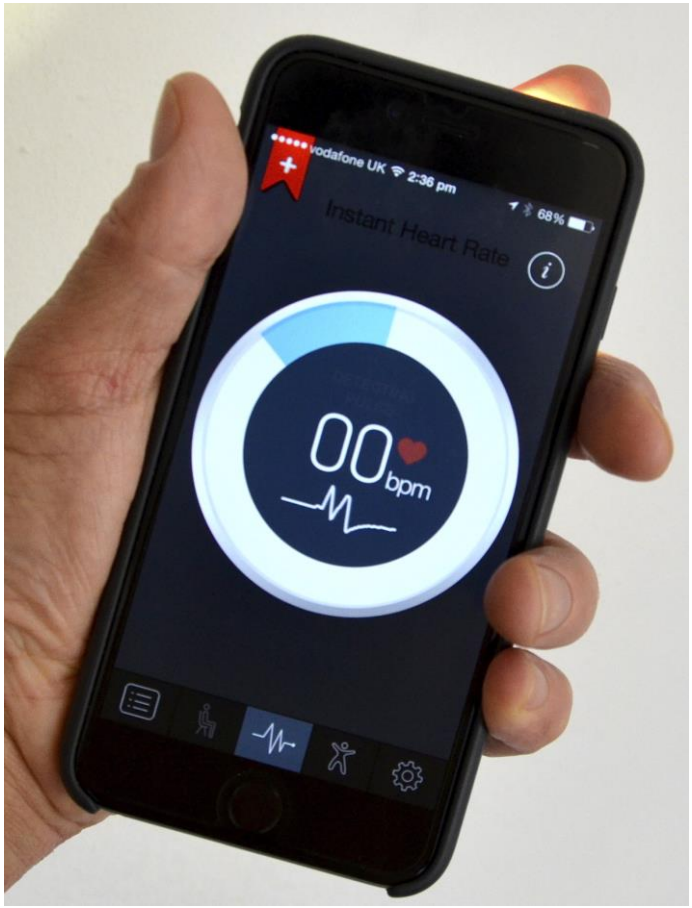
- Andrea Cuomo, Executive Vice President, Advanced Systems Technology and Special Projects, ST Microelectronics
- Peter Dendooven, Associate Professor at KVI-Center for Advanced Radiation Technology, University of Groningen; Professor at the Helsinki Institute of Physics
- Sergio Bertolucci, Director for Research and Scientific Computing, CERN

- Moderator: Luke Collins, Editor, *Tech Design Forum;* Editor, *EIRMA Insights*, European Industrial Research Management Association

1.5bn smartphones
will be sold in 2015
Source: IDC

2bn+? new cameras
in the world in 2015

Ubiquity



Measuring my pulse using the same sensor that I used to take the photo of Helsinki

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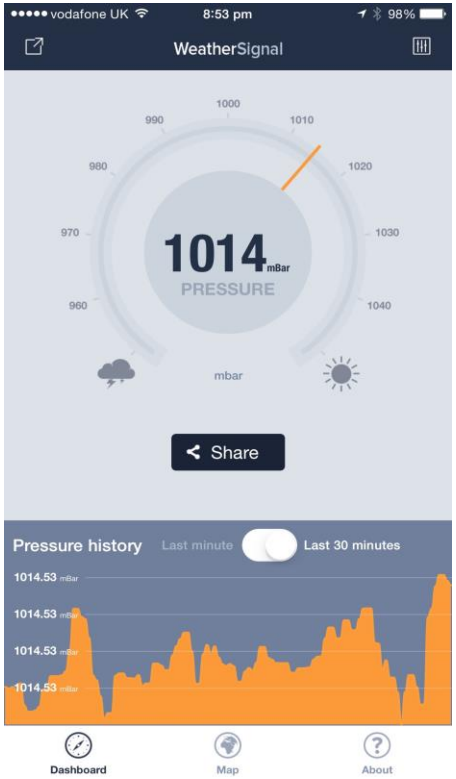

Using a barometric pressure sensor in the same phone to become part of a crowdsourced weather service

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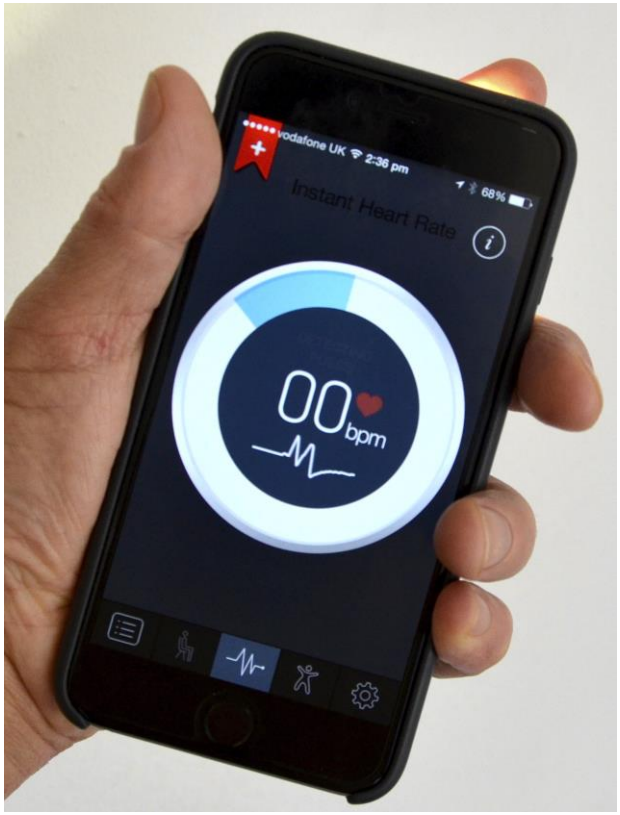
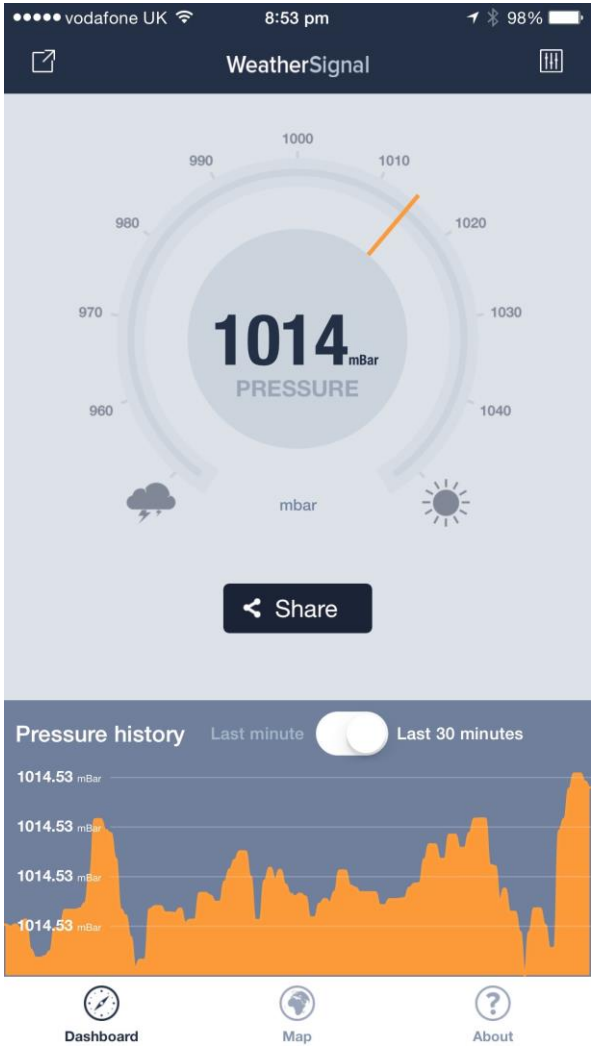


Serendipity



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Mining Time-Lapse Videos from Internet Photos

Ricardo Martin-Brualla[1] David Gallup[2] Steve Seitz[1,2]
[1]University of Washington [2]Google

SIGGRAPH2015

Data fusion and analysis

Context for this panel

- Ubiquity – what will we do in a world full of sensors?
- Serendipity – what are the implications of sensors being used in unexpected ways?
- Data fusion and analysis – how will data from sensors help us to better understand and shape our world?

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- Moderator: Luke Collins, Editor, *Tech Design Forum;* Editor, *EIRMA Insights*, European Industrial Research Management Association

Q&A

Look for buses outside to transfer you to Restaurant 2

Thank you!

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