Panel

New Tendencies in User-Centric Systems

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Moderator: Raimund K. Ege

Computer Science, Northern Illinois University, USA

ege@niu.edu

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Introduction

- What is a user-centric system

  In an electronic system, it refers to users having more control, more choices or more flexibility than they might have had in a previous version. [Dictionary]

- Devices & media

  phone, PDA, tablet

  text, html, image, audio, video, smell, ...

  location, orientation

- Connectivity

  4G, WiFi, PLan

Panelists

- Sigeru Omatu

  Osaka Institute of Technology, Japan

- Eduardo Alonso

  City University London, United Kingdom

- Eduard Santamaria

  Fraunhofer IOSB, Germany

My perspective

- How smartphones change the users' attitudes and perception of security and trust in systems

- Modern handheld device
  - Broadband connectivity
  - Down: participate via consumption
  - Up: participate by contributing

Down: Security

- establish identity of user/device
  - via cell signal
  - via registration
  - via PKI (TSL, IPsec)

- identity maps to trust
  - grades of trust possible

- requires trust management

Up: Security

- user becomes part of content delivery network

- network needs to be authenticated
  - who can participate
  - who is trusted

- need trust management

Which direction to go ?

- Up / Down mix
  - id is essential
  - maps to trust

- Next: augmented reality