Movies

oktober 2014

The Wind Rises
- ma. 14 okt.
- di. 15 okt.
- wo. 16 okt.

Blue Ruin
- di. 21 okt.
- wo. 22 okt.

Boyhood
- ma. 27 okt.
- di. 28 okt.
- wo. 29 okt.
Welcome!

To the 5th CWTe Research Retreat!

Full program:
• 3 Invited Presentations: Industry, AT, TUDelft
• 4 Presentations from CWTe researchers
• 20 Posters
• 2 Breaks
• 1 Lunch
• n Drinks
Invitation
CWTe 2014 Research Retreat

Wednesday, 22nd of October 2014
De Zwarte Doos, 1st floor, TU Eindhoven

Hosted by: Centre for Wireless Technology Eindhoven

9.15 - Welcome with coffee
Morning program
9.45  Opening and introduction
9.55  Cognitive Radio & Conscious Behavior; the New Network Philosophy
10.40 “Fixed Freq. Oscillator” Novel Approach to Transceiver Architecture Design
11.25 - Break (incl. posters)
11.45  Perspectives on 5G
Lunch
12.30 - Lunch (incl. posters)
Afternoon program
13.30 Current THz Research and Perspectives to the Industry
14.15 Antenna Design for 60 GHz Radar Applications
14.45 - Break (incl. posters)
15.05 Laboratory System for THz Imaging Spectroscopy of Tissue Samples
15.35 Robust 3D Sensor Cloud Localization from Ultrasound Range Measurements
Closing
16.05 Closing session
16.30 - Drinks and networking

For registration: click here
Status

• Started in 2007

• 3 Programs & roadmaps

• 2 Programs started in 2007
  • UHDR
  • ULP

• 1 Program started recently:
  • SRTO
UHDR Vision & Roadmap: 100Gbps wireless link in 2017

Edholm's Law

2017 100Gbps

Components explored & verified
System investigated
Towards implementation & verification

WWRF roadmap

7 trillion

# wireless devices

2020: 7 trillion radios

Worlds’ first true “Electronic Dust”
0.2mm³, 1.6mg Wireless Temp sensor

Now investigating spin-off applications
Next steps

Approach has worked well
• Provided focus
• World-class results with limited resources

Next steps:
• Start working on vision & roadmap for next 10 years
• Interested in your input & discussions!
Education

- Very strong growth in freshmen since 2010
- Will start to result in more graduates from ~ 2016
- FLUX is already too small!
- BSc college
- Graduate school
- Connected World track

Starting development on Wireless Architect
So...

- A lot of exciting developments
  - In the world
  - At the university
  - In CWTe

- A very interesting program today

- Enjoy the show!