

# Applications Showcase

11 November 2009

# Morning Agenda



**9:15 – 09:30 : Introduction – Paul Bhatia**

## **Morning Session - Applications Showcase**

**9:30 - 10:00      Software Receivers - Mark Dumville, Nottingham Scientific**

**10:00 - 10:30      GNSS Chip sets for Mobile Applications - Tony Hadrell, ST Ericsson**

**10:30 - 11:00      GNSS Psudolite Signals - Luis Serrano, EADS Astrium**

**1100 – 1130      Networking Tea/Coffee break**

**11:30 - 1200      GNSS Enabled Timing and Time Error Measurement - Charles Curry, Chronos Techly.**

**12:00 - 12:30      GNSS Based Applications and Developments - Okko Bleeker, Rockwell Collins**

**12:30 – 13:30      Lunch**

# Afternoon Agenda

---



## Afternoon Session - Test and Simulation Showcase

<b>13:30 - 14:00</b>	<b>Tour of Nottingham Scientific Building</b>
<b>14:00 - 1500</b>	<b>Test track demonstration – Chris Hill / Sean Ince, University of Nottingham</b>
<b>15:00 – 15:30</b>	<b>Networking Tea/Coffee break</b>
<b>15:30 – 16:30</b>	<b>Hardware Testing and simulation workshop - Colin Beatty / Andrew Hart, Spirent</b>
<b>16:30</b>	<b>Close</b>

# GNSS Research & Applications Centre of Excellence (GRACE)

---



## Aim:

To secure international leadership in research, training and industrial applications development of Global Navigation Satellite Systems (GNSS) - within the East Midlands.

## Built from a core of :

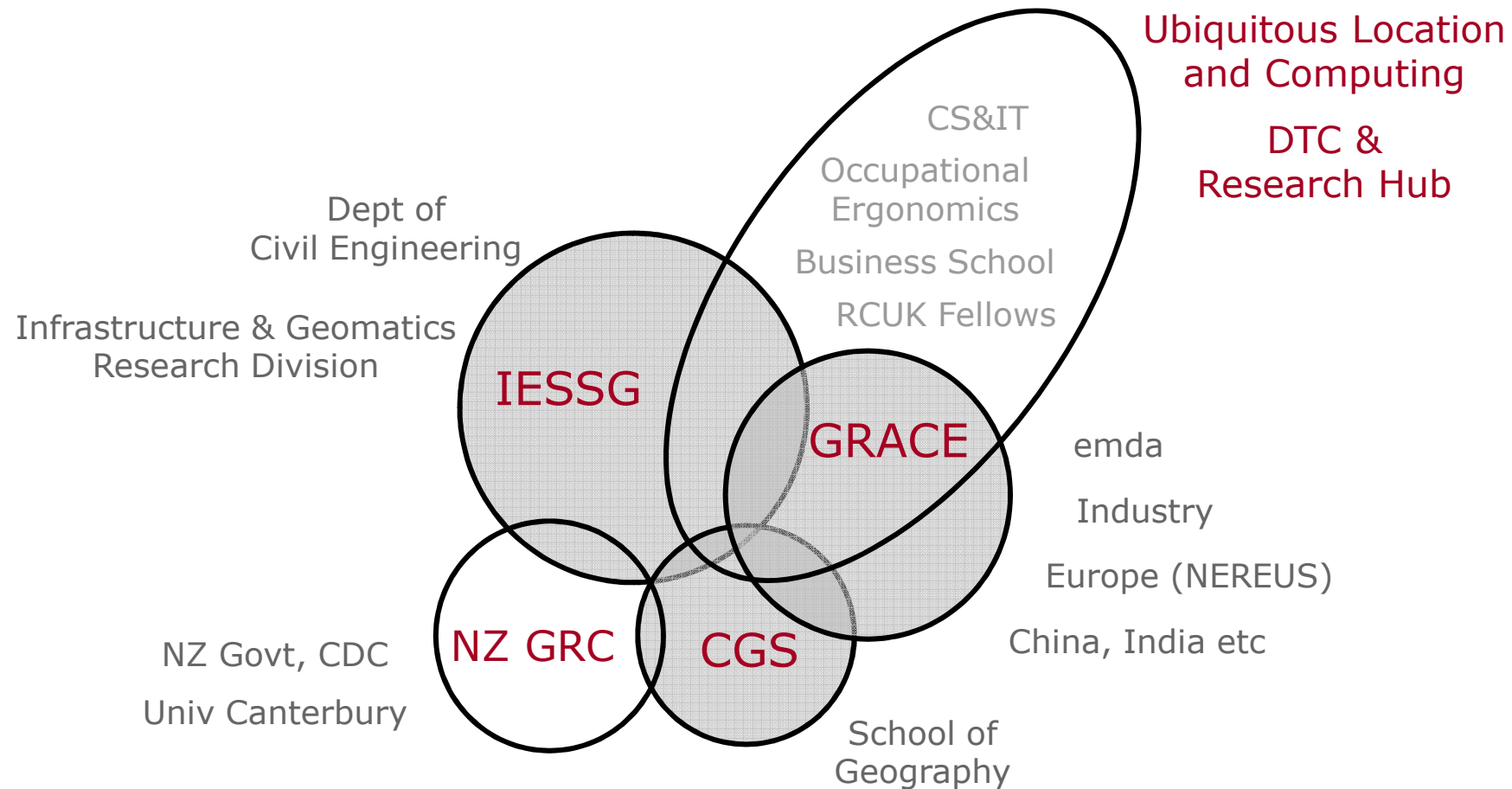
- World leading University research & training capability
- Innovative SME industry base
- Close collaborative links with industry
- Extensive user base potential

---

A new centre, a new building, a new focus; encompassing:

- GNSS Research Laboratory and Training Services
- GNSS Applications Development Support
- Access to GNSS simulation, test-bed and testing facilities
- Dedicated Training Suite
- Business Incubation Units
- Business Support Services
- Supported Consultancy Activity
- Potential venue for virtual & physical National Offices
- A Hub for a *GNSS Cluster*

# Nottingham Geospatial Building



# University Developments (1)

---



- Capital Infrastructure Fund (CIF)
- HEFCE, internal University bidding scheme
- Ubiquitous Positioning and Sensing Infrastructure
- £700k
- Wireless positioning instrumented building(s)
- 01 Jan 09 - 31 Mar 11
- IESSG, CGS, GRACE & CSIT

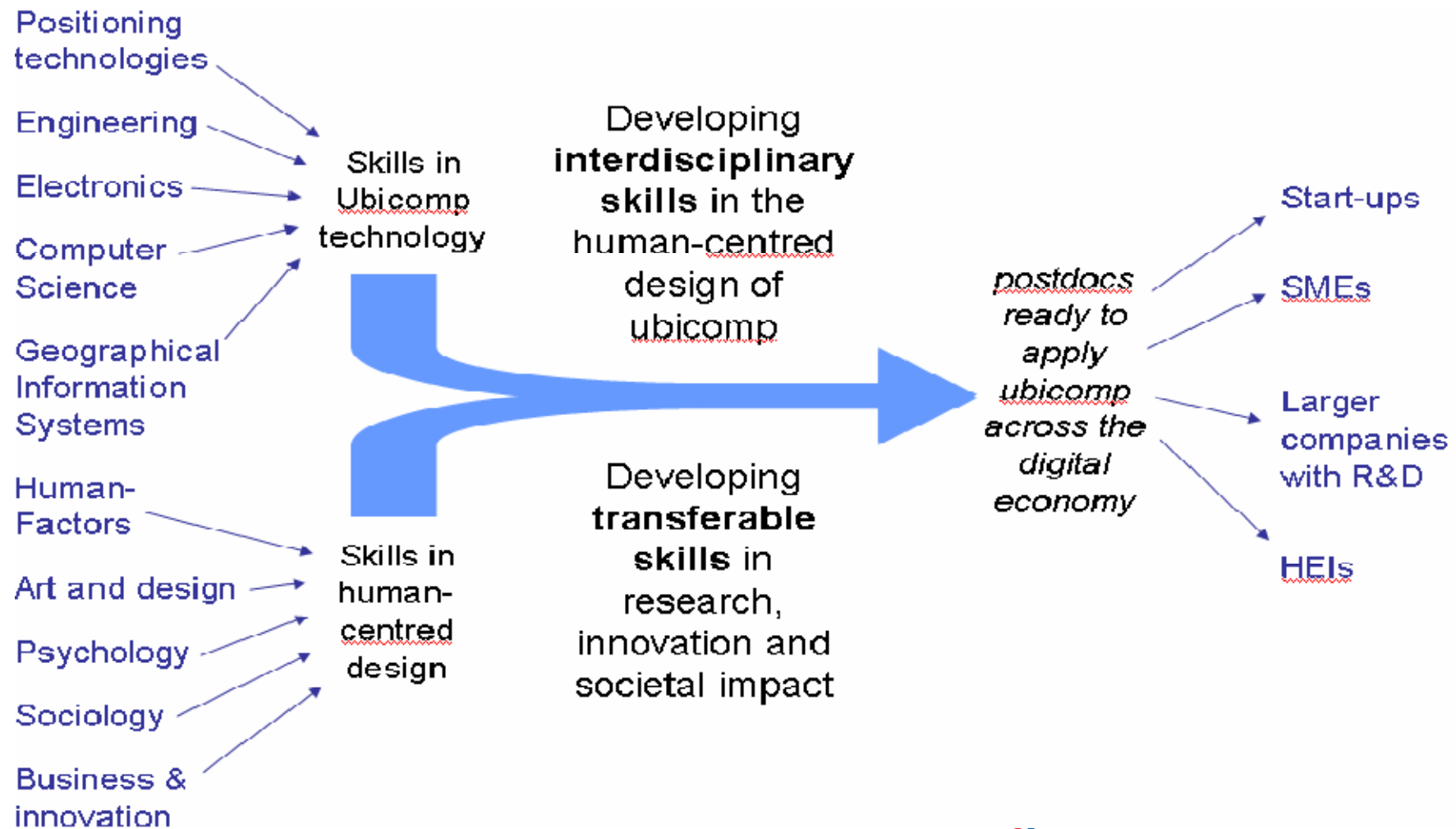
# University Developments (2)



- EPSRC Doctoral Training Centre
- DTC for the Digital Society
- One of six funded in the Digital Economy field
- £5.5M
- 01 Oct 09 - 20 Sept 17
- CSIT, IESSG, CGS, Human Factors, Business School, Institute of Science & Society, Psychology, etc...
- EADS Astrium, L&T KTN, Logica, Ordnance Survey, Thales R&T, NSL, Guidance, GLA, HW Comms
- Network Rail, TRL, innovITS, Eurocontrol
- Microsoft, IBM, BBC, HP, Nokia, BT



# DTC for the Digital Society

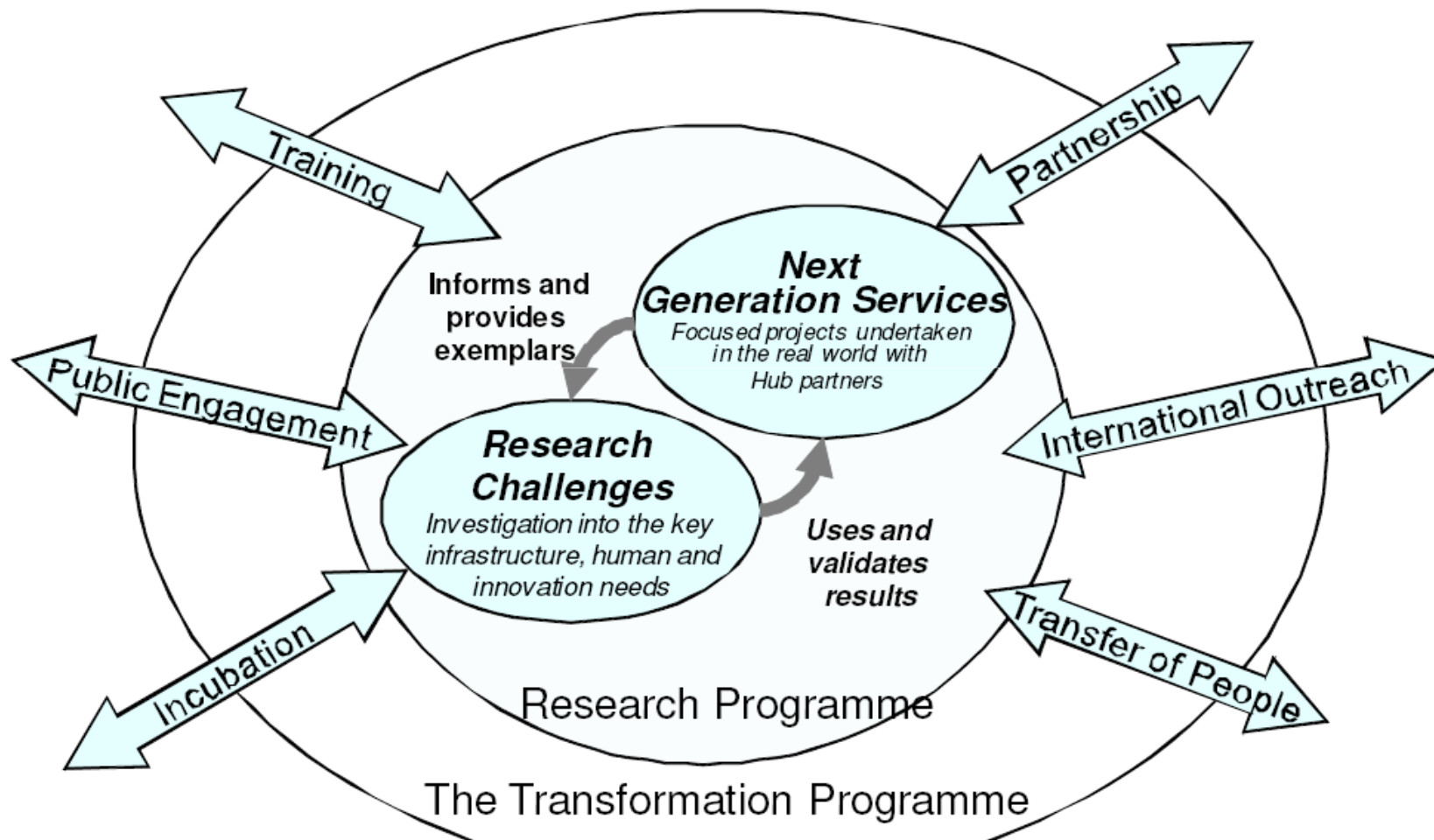


# University Developments (3)



- EPSRC Digital Economy Research Hub
- Horizon
- One of three funded in the Digital Economy field
- £13.1M
- 01 Oct 09 - 20 Sept 14
- 18 Investigators:  
CSIT, IESSG, CGS, Human Factors, Business School,  
Institute of Science & Society, Psychology, etc...  
Spokes to Cambridge, Reading, Exeter
- 36 Companies:  
EADS Astrium, L&T KTN, Logica, Ordnance Survey, Infoterra,  
Leica, HW Comms, OGC, Oracle, Network Rail, TRL

# Horizon Digital Economy Research Hub



# EPSRC DE Doctoral Training Centres

GRACE

- Nottingham  
Ubiquitous Positioning & Computing
- Bath  
Digital Entertainment
- Oxford  
Healthcare
- Lancaster  
Hirewire – Innovation for the Digital Economy
- UCL  
Financial Computing
- Queen Mary London  
Media & Arts Technology
- Southampton  
Web Science

# EPSRC DE Research Hubs

---



- Nottingham  
"Always on, always with you"
- Aberdeen  
"Transforming Rural Communities"
- Newcastle / Dundee  
"Tackle Social Exclusion"

# Contact details

---



**Paul Bhatia**

General Manager

GNSS Research & Applications Centre of Excellence (GRACE)

Nottingham Geospatial Building

University Innovation Park

Triumph Road

NG7 2TU

Tel: +44 115 823 2334

Fax: +44 115 823 2330

[Paul.bhatia@grace.ac.uk](mailto:Paul.bhatia@grace.ac.uk)