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Promoting Interdisciplinary collaboration through ICE and Honeypot

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Honeypot | ICE

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# Promoting Interdisciplinary collaboration through ICE and Honeypot

https://twitter.com/HudHoneypotIce

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the guardian UNIVERSITY AWARDS Winner 2013
THE QUEEN'S AWARDS FOR ENTERPRISE

**Prof Stefan Gabriel**

INNOVATION AND CREATIVE EXCHANGE

ROYAL ACADEMY OF ENGINEERING

**Prof Jonathan Sands OBE**

University of HUDDERSFIELD

# Purpose

## Bridging the gap between design & engineering through the creation of a network of exchange to develop a legacy of learning

- Networking events /guest lecture / masters classes / workshops
- Interdisciplinary problem led design challenge
- Mentoring of students
- Proof of concept exploitation / Business start-up support and advice
- Discipline hopping interns



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# Challenges

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- Lead Academic - 9 months after it started
- Getting the projects back on track
- Software
- Intellectual Property
- Two Visiting Professors of innovation (one outside the country)
- Relationships between (two schools, staff, placement, students)
- BIC – PI Director of Enterprise
- Commercial sector engagement
- Ambitious schedule (second year – Launch Sep)
- No buy out for me - challenge

# Plan

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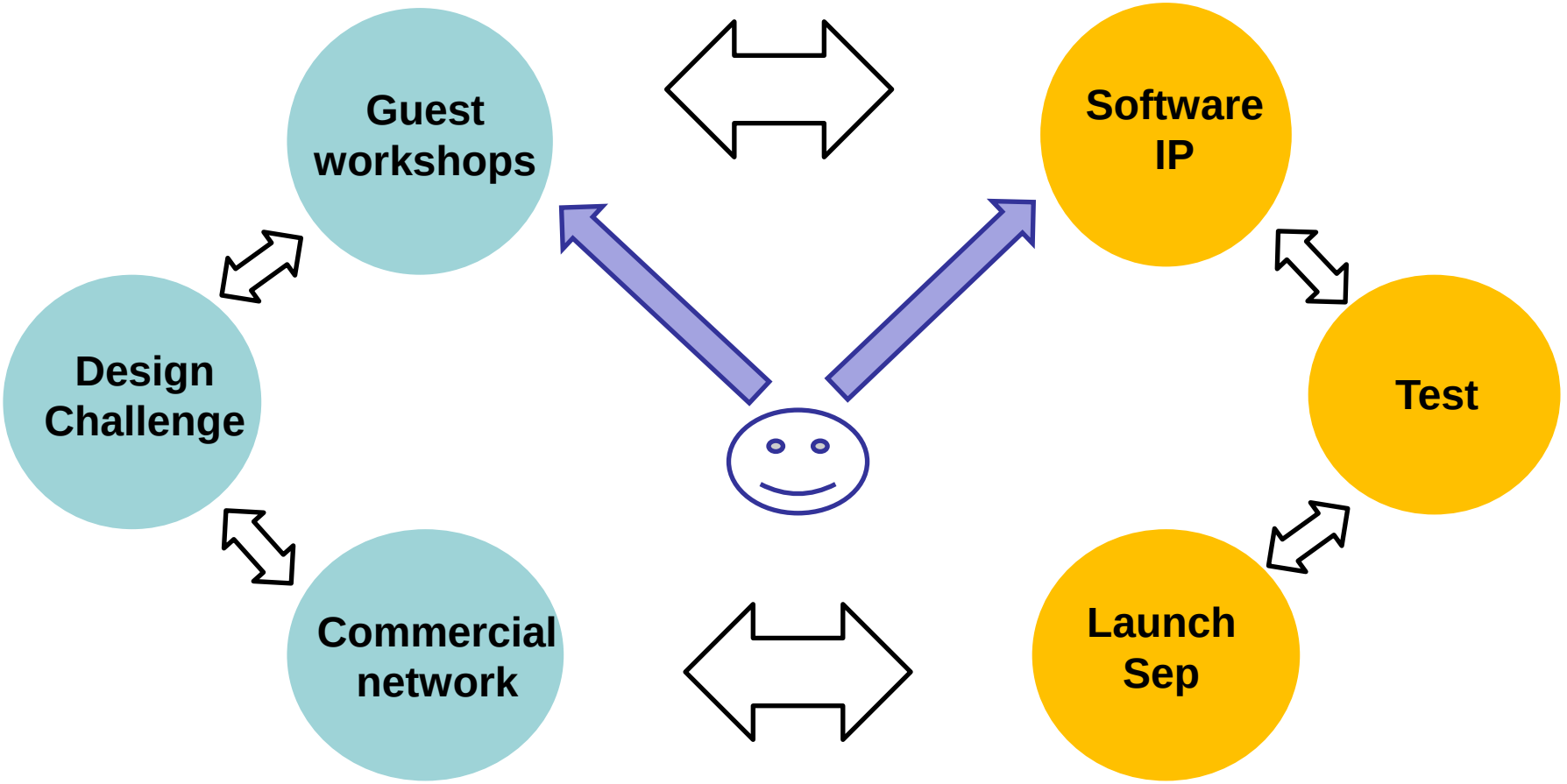




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# 24 hour challenge:

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""judging the 24-hour design challenge was a pleasure and revealed an impressive arsenal of talent the University of Huddersfield has amongst the students. …… When placed under pressure, right brain instinct coupled with pragmatic decision making, causes inventive and exciting concepts and solutions. Events like the 24hr Design Challenge are a great example of where you'll see this in action."

"....in the 24 hours we were given I have been given a massive insight into how completely separate skill sets can come together to generate an idea" "It was an enjoyable challenge, bringing in different skills we have learnt throughout our time here so far. "

"It has shown me what some of my lecturers have been trying to tell us which is that collaboration and working with people from different specialisms is when design can really take off and become exciting"

# 7 hour commercial challenge:

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*"It's a fun and creative event. I really enjoyed it. Very useful event, we should have more interdisciplinary activities to encourage the type of idea generation that has happened today."*

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# 7 hour staff challenge:

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*WAAA "The Wearables for Good Challenge"*

*"The design-challenges which form part of ICE and Honeypot provide innovative models for new approaches to T&L. They create learning space for interdisciplinary networks to thrive which have global reaching potential and impact. The recent success of the WAAA in the Unisef "The Wearables for Good Challenge" is testimony to this; it demonstrates the co-creation of knowledge by bringing diverse groups together. Professor Towns-Andrews, Director of Research & Enterprise (Huddersfield).*

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# Outputs:

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| Outputs Year 1-3 | Students | | | | | Total number of opportunities |
|---|---|---|---|---|---|---|
| | ADA | C&E | BS | MHM | **total** | |
| Enhance the creativity, design and innovation content in undergraduate teaching | 463 | 62 | 15 | 4 | **544** | 14 |
| Developing understanding of the innovation process | 12 | 21 | 2 | 0 | **35** | 7 |
| Encourage inter-disciplinary design activity | 193 | 107 | 2 | 0 | **302** | 6 |
| Greater awareness of and contact with industry and business | 83 | 9 | 8 | 24 | **124** | 8 |
| Encourage UG endeavour in developing creative, innovative design proposals | 131 | 28 | 13 | 11 | **188** | 10 |

# Tips and next steps

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- Prepare for the unexpected
- Simplify as much as you can
- IP – sort this out first (commercial company)
- If things don't go to plan speak to RAE
- Get others involved – team effort
- Take opportunities
- Dive into the VP network
  - MBA interdisciplinary collaboration in HE
  - National level (looking for partners) – international level
  - Challenge remain getting students to apply for venture funds
  - Discipline hopping interns



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# Any questions?

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**Thanks to Leigh Fleming, Liz Towns-Andrews, Kelly Smith, Abigail Stanley**

#hudhoneypotice
http://www.hud.ac.uk/tali/

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