UNIVERSITY OF BIRMINGHAM

The Alan Turing Institute

# Responsible AI

*Ganna Pogrebna*

*www.gannapogrebna.com*

# IGI Responsible AI Theme as it Started



TEMPE
**DEADLY CRASH WITH SELF-DRIVING UBER**
abc 15 ARIZONA
11:01  64°

**Andrew Howes**
*Why didn't the car stop?*
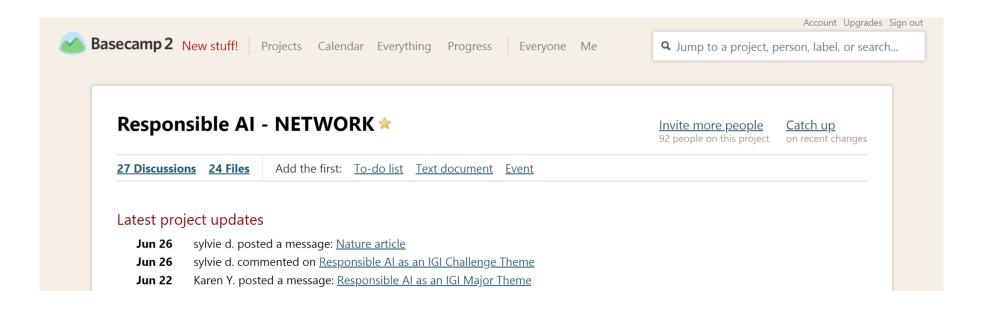
**Karen Yeung**
*Who is responsible?*

**Sylvie Delacroix**
*What are the ethical implications?*

**Ganna Pogrebna**
*What the hell was the driver thinking?*

# Responsible AI Theme Achievements to Date: Network



- Project 1: *Values and Machine Decision Making* (Lead: Andrew Howes)

- Project 2: *Towards a New Social Contract for Data and AI* (Leads: Lisa Webley & David Galindo)

- Project 3: *Implications of AI for the Society* (Lead: Paul Lewis)

- Project 4: *Prevention of the Malicious Use of AI* (Lead: Mark Ryan)

# Responsible AI Theme Achievements to Date: Impact

# Responsible AI Theme Achievements to Date: Funding

## Award Description

The Midlands3Cities Doctoral Training Partnership is offering **four fully-funded PhD studentships** to work on innovative projects in the areas of **Artificial Intelligence and Data-Driven Research**.

Each research project is a collaboration between a Midlands3Cities university and an external partner. The University of Birmingham project, led by Birmingham Law School, is titled: *How can the BBC employ artificial intelligence to deliver data-driven personalised media content recommendations responsibly?* You can read the project summary document here.

Studentships will normally be for up to three years for full-time study, or up to six years for part-time study, starting at the beginning of the 2018/19 the academic year.

The Midlands3Cities Doctoral Training Partnership (M3C DTP) is a collaboration between six leading universities in the Midlands and students will join the wider M3C doctoral community.

Full details can be found on the M3C DTP website.



- Stipend - £14,777 plus an additional £500 per annum to facilitate partnership working

- Tuition Fees - £4,260

- Research Training Support Grant

- Deadline: June 30, 2018

# Future Plans

- Funding bids

- Recruitment of an Early Career Researcher in this domain

- Active engagement with potential partners

- Active engagement with EU

- Active engagement with other AI networks nationally

- Active engagement with other AI networks locally

# A Software Engineer Ventures into Behavioural Economics

**Abstract:** Karen's research area is Human-Centred Security. She has carried out two investigations using insights from behavioural economics. The first is a nudge that will persuade people to choose stronger passwords, the second is a study into the endowment effect in cyber security. Karen is a computer scientist and has made the transition from software engineer to behavioural scientist, so her approach is different from that of a traditional economist. She is proposing to share her experiences and get feedback from you.

**Karen Renaud**

Professor of Cybersecurity, Abertay University

Professor Extraordinarius, University of South Africa

Fulbright Cyber Security Scholar

www.karenrenaud.com

**WHEN?** 4th July 12.30-13.30
**WHERE?** Room 201, Arts Building