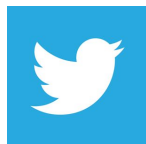


# Data Science for Bridging the Digital Divide Workshop

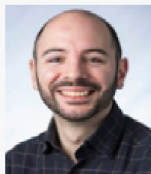
The  
Alan Turing  
Institute



**#DigitalDivideTuring**



**Professor Jon  
Crowcroft**



**Ignacio Castro**



**Dr Mahesh Marina**



**Professor Mark  
Graham**

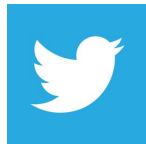


**Dr Gareth Tyson**

10:00	Organisers	Welcome & Housekeeping
<b>The politics of cables: regulation, economics and infrastructure</b>		
10:10	Steve Song	Open Telecom Data: Why greater transparency in the telecom sector is essential to the healthy evolution of the internet
10:30	Andrew Button	Addressing the problem: using geospatial science to unlock infrastructure intelligence
10:50	Discussion	Evidence-based regulation - where is the shortfall? [Led by I Castro]
11:10	Coffee Break	
<b>The human side: inequality, poverty and social factors</b>		
11:30	Reem Talhouk	Data Driven Technologies as Experienced by Syrian Refugee Communities
11:50	Enrico Calandro	After Access: Measuring digital inequalities in developing countries
12:10	Richard Heeks	Data Justice and the Next One Billion
12:30	Discussion	Is AI a risk to global equality? [Led by J Crowcoft]
13:00	Lunch	
13:30	Lunch	
<b>The role of innovation: technology for bridging the divide</b>		
14:00	Tom Wilkinson	AIID - Establishing a common data and intelligence platform for the delivery of International Aid
14:20	Josiah Chavula	Internet in Africa: from a macroscopic to microscopic view of performance
14:40	Arjuna Sathiaseelan	GAIUS: Enabling a hyper local content ecosystem for emerging markets
15:00	Discussion	Technology for good? Where are our deficiencies? [Led by N Sastry]
15:30	Gareth Tyson	Introduction to breakouts
15:35	Coffee Break	
16:00	Breakout Session	Brainstorming mini projects
16:50	Breakout Summary	3x groups
17:25	Gareth Tyson	Closing Remarks
17:30	Social Event	

# Breakout Sessions

Gareth Tyson



**#DigitalDivideTuring**

# What are the challenges, opportunities & risks?

*Regulation*

*Human*

*Technology*

# What are the challenges, opportunities & risks?

*Regulation*

*Human*

*Technology*

What data would you use?

Ideas of (mini)projects?

# Breakout sessions

1. **Evidence-based regulation - where is the shortfall?**  
Who should be regulated? Who should regulate?
2. **Is AI a risk to global equality?** How do we exploit the opportunities benefits without the problems?
3. **Technology for good?** Where are our deficiencies and what are the opportunities in using technologies for development?

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# Breakout sessions



**Evidence-based regulation - where is the shortfall?** Who should be regulated? Who should regulate?

**Here!**



**Is AI a risk to global equality?** How do we exploit the opportunities without the problems?

**Here!**



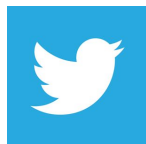
**Technology for good?** Where are our deficiencies and what are the opportunities in using technologies for development?

**Other end of Turing!**



# Data Science for Bridging the Digital Divide Workshop

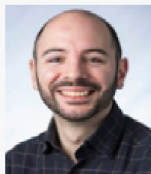
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**Dr Gareth Tyson**

# Concluding Remarks

- **Remember** what we have discussed!
- ...but we'll share the slides just in case

## Day 2 (Wednesday 17th July)

10:00	Organisers	Summary from yesterday
10:15	Organisers	Data Gathering and Analysis for Bridging the Digital Divide
11:00	Coffee Break	
11:30	Organisers	Formulating Projects and a Research Roadmap of Bridging the Digital Divide
12:15	Organisers	Future Directions
12:30	Lunch	
13:00	Lunch	



# Data Study Group - September 2019

Bringing together top talent from data science, artificial intelligence, and wider fields, to analyse real-world challenges.

Monday 02 Sep 2019  
- Friday 06 Sep 2019  
Time: 10:00 - 17:00

Free

Event series  
Data Study Groups

- **Telenor** - Green Radio: Dynamic power saving configuration for mobile networks
- **Turkcell** - Real-time jammer detection, identification and localization in 3G and 4G networks
- **STC** - Bandwidth allocation for mobile users: a solution for rural and urban areas
- **Telus** - Understanding the influences of network measures on customer perception of network reliability

<https://www.turing.ac.uk/events/data-study-group-september-2019>