

# Intelligent Sensing Summer School

& CORSMAL Challenge

# Welcome!



Engineering and  
Physical Sciences  
Research Council

The  
Alan Turing  
Institute



CIS centre for  
intelligent sensing

# Today - AI for Multimodal Data

- **Audio-visual variational speech enhancement (Tutorial)**
- Audio-visual object extraction in large video collections
- Audio-visual modalities fusion for emotion recognition
- Multimodal speech enhancement
- When vision fails, using language and audio to understand videos



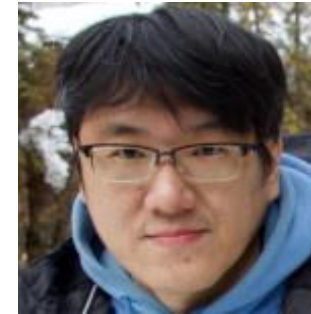
Xavier  
Alameda-Pineda  
INRIA  
France



Slim  
Essid  
Telecom ParisTech  
France



Antonios  
Gasteratos  
DUT  
Greece



Yu  
Tsao  
CITI  
Taiwan



Michael  
Wray  
U. of Bristol  
UK

# Tomorrow - AI for Audio

- AI and audio in DCASE Challenge
- Understanding the reverberation environment for immersive media
- Machine learning for speech and hearing



Annamaria Mesaros  
Tampere U., Finland



Philip Jackson  
U. of Surrey, UK



Thomas Hain  
U. of Sheffield, UK



Vandana Rajan



Bhusan Chettri



Arjun Pankajakshan



Emir Demirel



Shubhr Singh

## Thursday - AI for Video

- Fully articulated hand tracking for HoloLens 2
- Perception through action and for action
- Underwater vision and 6D pose estimation



Federica Bogo  
Microsoft, Switzerland



Dinesh Jayaraman  
U. of Pennsylvania, USA



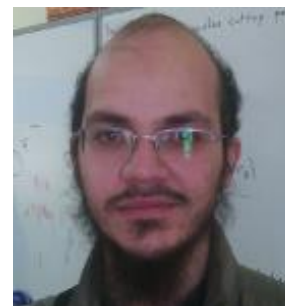
Ayoung Kim  
KAIST, South Korea



Chau Yi Li



Tingting Xie



Mohamed Ilyes Lakhel



Ali Shahin Shamsabadi

# Until Friday - The CORSMAL Challenge



**Introduction to  
the CORSMAL  
Challenge  
in 2 hours!**



**Engineering and  
Physical Sciences  
Research Council**

**The  
Alan Turing  
Institute**

**Institute of Applied  
Data Science**  


**CIS** centre for  
intelligent sensing

# Interested in a PhD or MSc?

- **3 DeepMind PhD Studentships (deadline: 11 September)**

<https://www.findaphd.com/phds/programme/deepmind-phd-studentship-at-queen-mary-university-of-london/?p5018>

- **Artificial Intelligence MSc**

<https://www.qmul.ac.uk/postgraduate/taught/coursefinder/courses/artificial-intelligence-msc/>

You can choose to study this programme with an additional year of Industrial Experience  
Students on this programme full time may be eligible for the DeepMind Scholarship

- **Big Data Science MSc**

<https://www.qmul.ac.uk/postgraduate/taught/coursefinder/courses/big-data-science-msc/>

Want to know more?

Attend the Postgraduate Virtual Event **Tomorrow!**

<https://www.qmul.ac.uk/postgraduate/openday>

# Communication

#IntelSensingSummerSchool

- Use of **Slido** for Q&A  
see Zoom chat for the link
- If you need a certificate of attendance,  
email [cis-web@eecs.qmul.ac.uk](mailto:cis-web@eecs.qmul.ac.uk)
- The programme <http://cis.eecs.qmul.ac.uk/school2020.html>

Enjoy the  
summer school  
& good luck  
with the  
Challenge!



Engineering and  
Physical Sciences  
Research Council

The  
Alan Turing  
Institute



CIS centre for  
intelligent sensing