

# Key Problems in Information Forensics and Security for the next Five Years

Panel discussion

WIFS 2019

# The panelists

- Deniz Gunduz (Imperial College London, London, UK)
- Fernando Pérez-González (University of Vigo, Vigo, Spain)
- Patrizio Campisi (Roma Tre University, Roma, Italy)
- Teddy Furon (INRIA Research Institute, Rennes, France)
- Tobias Oechtering (KTH Royal Institute of Technology, Stockholm, Sweden)

# Discussion items

- **Privacy**

- What are the main technical challenges researchers are going to face with (should face with) in the next 5 years?
- Privacy and the "nobody cares" wall: does research in privacy make sense in a world where the "privacy paradox" prevails?

- **Biometric security**

- Next generation biometrics
- Do we really care about biometric security ? Why we should (or shouldn't)?

- **Information theoretic security**

- Main challenges/opportunities ahead
- Information theoretic security: a nice toy for researchers or a useful tool for the next decade?

# Discussion items

- **Machine learning and security**

- Deep learning - shallow understanding (particular serious concern in security applications)
- The forgotten findings of watermarking/data hiding research: why is the voice of the IFS community unheard?

- **Multimedia forensics**

- Multimedia forensics and fake news: a losing battle against an ill posed problem where nobody can be trusted?
- Why is the disgraceful "cat and mouse" loop so popular also among researchers? Is the scientific community advancing in any way or are we proceeding randomly by always reacting to the latest stimulus ?