



**Advance Optical Communication and Imaging Lab (AOCIL)**

**Institute of Photonics and  
Quantum Sciences (IPAQS)**

**Institute of Sensors Signals and  
Systems (ISSS)**

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**Programme Director of BEng Telecommunications Engineering**



## PhD opportunities at AOCIL

- ❖ **High speed Secure Optical Communication (SOC)**
- ❖ **Underwater Wireless Optical Communication (UWOC)**
- ❖ **Ultrafast imaging**

### **International collaborations**

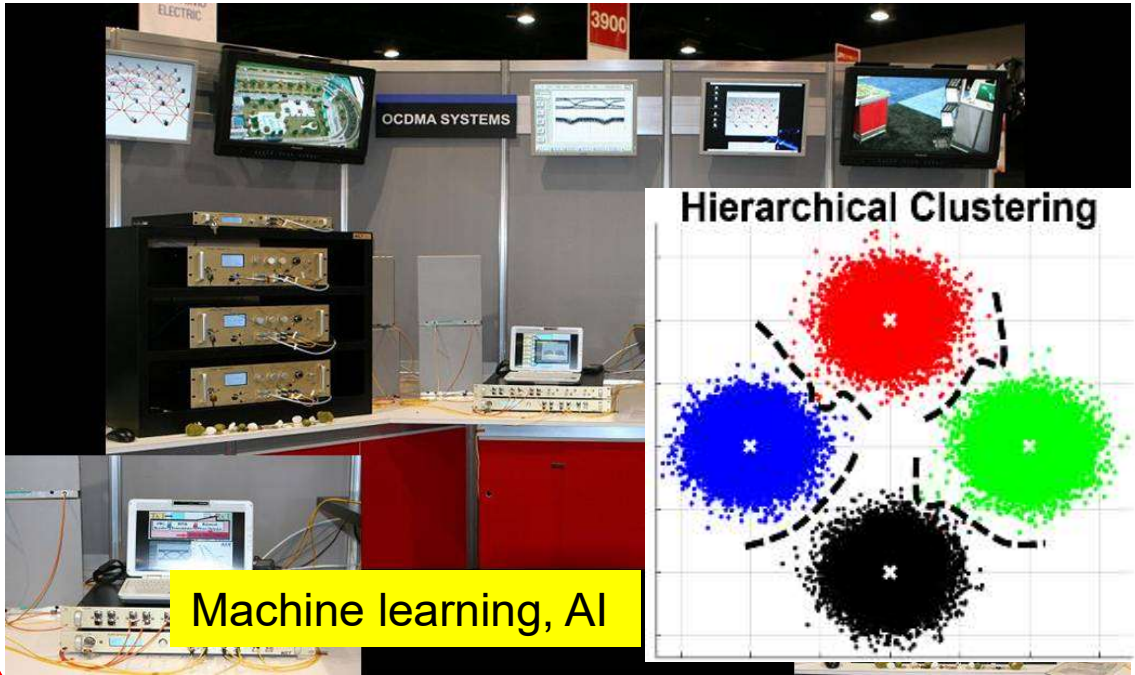
UK: Cambridge U, Bristol U, Bangor U

China: Tsinghua U, UESTC, Fudan U, SJTU, SYSU, ....

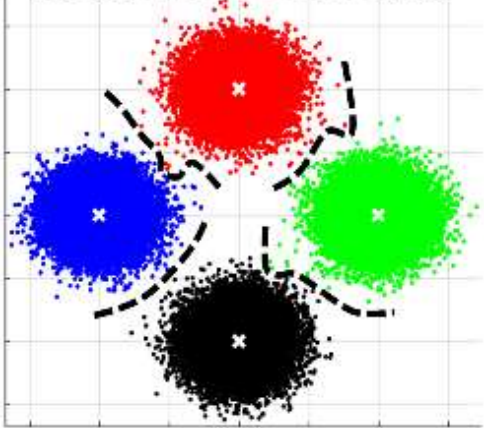
Japan: NICT

Europe: Rome U ...

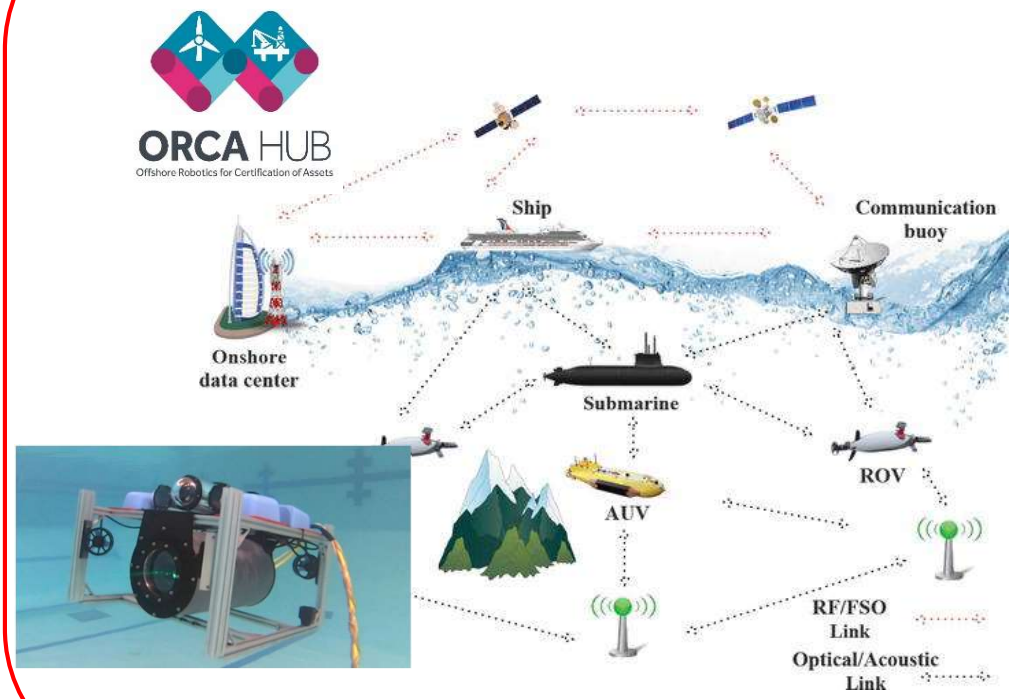
# High speed SOC



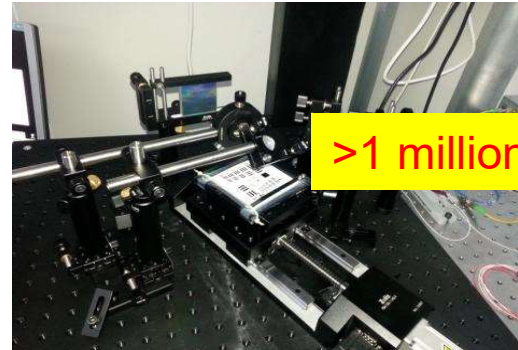
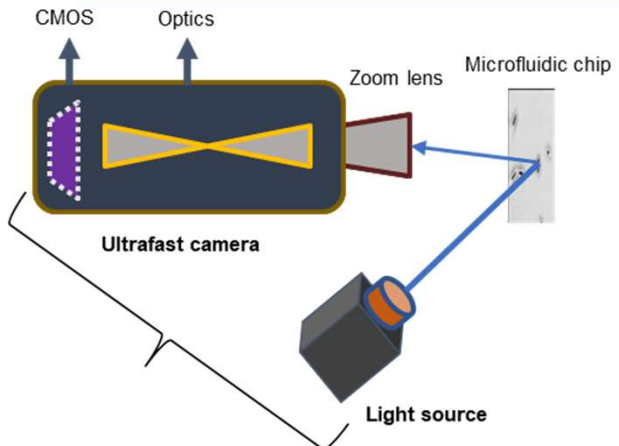
## Hierarchical Clustering



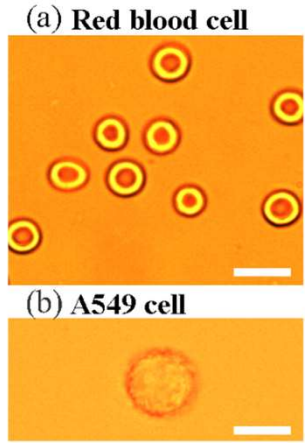
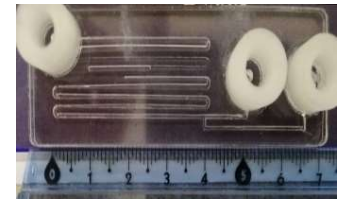
# UWOC



# Ultrafast imaging



>1 millions frames/s



## PhD/EngD scholarship opportunities

- ❖ Carnegie scholarship (all)
- ❖ DTP (Home students)
- ❖ CDT (Home student, exceptional overseas)
- ❖ JWS (all)
- ❖ FOS (all)
- ❖ DSP centre (all)
- ❖ EU Project



*We want you!*

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