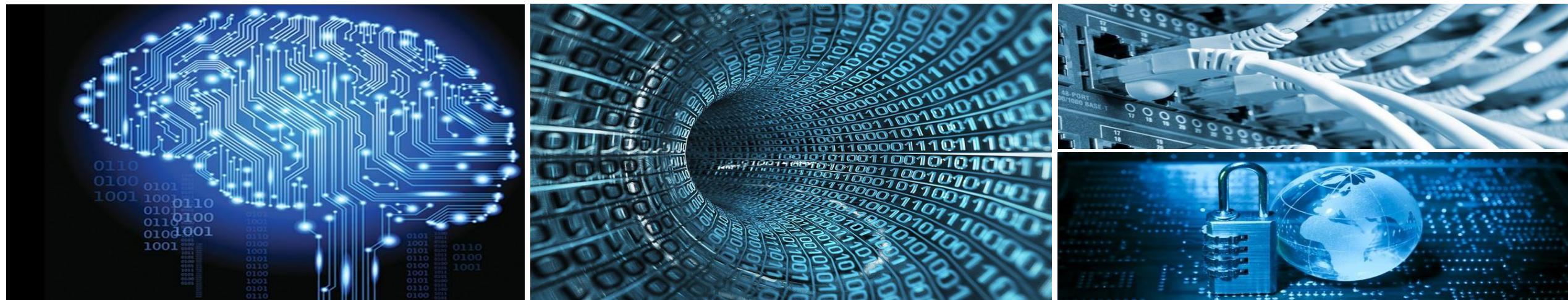




UNIVERSITY OF THE WEST of SCOTLAND

School of Computing, Engineering & Physical Sciences

uws.ac.uk



Autonomous Network Management for 5G and Beyond Services and Vertical Applications: Case Studies

Prof. Qi Wang and Prof. Jose Alcaraz Calero

Web: <http://beyond5ghub.uws.ac.uk/>

ITU FG-AN 2nd Virtual Meeting, Apr 2021



Intelligent network slicing with online learning capabilities



- Advanced network slicing, substantially optimized for the targeted **Industry 4.0** use cases (Factory of Future etc.).
- **Maximized usage of radio resources** and thus network capacity with QoS warranty.
- **Optimised trade-off** of performance and cost-efficiency.
- **E2E intent-based, voice-controlled network slice management and orchestration** for various use cases.
- **Online learning capabilities** based on reinforcement deep learning.



Contact information



Prof. Qi Wang, UWS
E-Mail: Qi.Wang@uws.ac.uk



Prof. Jose Alcaraz Calero, UWS
E-Mail: Jose.Alcaraz-Calero@uws.ac.uk

Web: <http://beyond5ghub.uws.ac.uk/>

Thank you very much!