

# 2<sup>nd</sup> CfACS Annual ECR and PhD Conference

**Date: Friday 24<sup>th</sup> of June 2022**

**Time: 09-30 – 16:30**

<b>09:30 – 10:00</b>		<b>Welcome – Registration and Coffee</b>
		Dr John Henry and Dr Connah Kendrick
<b>THEME</b>		<b>IOT and Cyber Security</b>
10:00 – 10:20	Dr Katie Paxton-Fear	Hack the Planet University: Introducing Generic University
10:20 – 10:40	Nana Kwesi Arkoh Onumah	Understanding the Role of Strategic Security Management in Mitigating Cybersecurity Risk in Industrial Internet of Things (IIoT)
10:40 – 11:00	Dr Muhammad Atif Ur Rehman	Information-Centric Networking A Unique Communication Paradigm
<b>11:00 – 11:20</b>		<b>Comfort Coffee Break</b>
<b>THEME</b>		<b>AI and Fluid Dynamics</b>
11:20 – 11:40	Zaiblin Lin	Development of a high-fidelity CFD model for floating offshore wind turbine applications
11:40 – 12:00	Farokh Morakabi	Incorporation of 2 <sup>nd</sup> order-accurate bounce-back scheme into axisymmetric lattice Boltzmann revised method
12:00 – 12:20	Yang Zhou	A CFD Study on the Effects of Internal Liquid Sloshing on Motions of Semi-submersible Floating Wind Turbines
<b>12:20 – 13:00</b>		<b>Lunch and Coffee Break.</b>
		Networking and collaboration opportunity. Demos.
13:00 – 13:20	Chuin Hong Yap	SAMM-LV. A Long video dataset of micro and macro facial expressions
12:20 – 13:40	Elysia Barker	Use of Fractional Brownian Motion in the Generation of Bed Topography for Bodies of Water
<b>THEME</b>		<b>HCC and Multi-disciplinary Research Applications</b>
13:40 – 14:00	Dr Peng Wang	Fast-Spanning Ant Colony Optimisation for Mobile Robot Coverage Path Planning
14:00 – 14:20	Alex Brooke	Towards Enhancing Game Telemetry with Facial Expression Recognition for Personalised Gameplay Experiences
13:20 – 14:40	David Schwarz	Lumenaut - Spatial Positioning and Game Design Tools for Intuitive Stage Lighting Control
14:40 – 15:00	Dr Ashley Williams	Increasing the impact of academia on the software industry through synthesising practitioner generated grey literature
15:00 – 15:20	Adam Miles	Opinion Diversity and the Resilience of Cooperation in Dynamical Networks
15:20 – 15:40	Dr John Henry	The use of Serious Games for emotion regulation
<b>15:40 – 16:00</b>		<b>Comfort Coffee Break and Networking Session</b>
		Networking and collaboration opportunity. Demos.
<b>16:00 – 16:20</b>		<b>Professor Keeley Crocket on AI and Ethics opportunities</b>
<b>16:20 – 16:30</b>		<b>Awards</b>