



STFC Data-intensive Science CDT

2022 Artificial Intelligence Conference

23rd – 24th June 2022

Swansea – Bay Campus – Computational Foundry

Please register in advance for this meeting: [click here](#)

Thursday 23 rd June		
When	Room	All staff, students, partners
10:00	Robert Record Room 102	Welcome and overview
Session 1: Presentations for The Future of AI		
10:30	Robert Record Room 102	Ben Winter - Grammatical Neuroevolution
10:45	Break - Networking	
11:20	Lecture Theatre 002	Phil D. Hall - Elzware Ltd - Setting conversational AI and the metaverse into an historical and future context
11:40	Lecture Theatre 002	Richard Pitts - Oracle - The future of AI as a cloud commodity service and as seen from an Oracle for research perspective
12:00	Lecture Theatre 002	Prof Biagio Lucini - Machine learning from Quantum Field Theory
12:20	Lecture Theatre 002	Miguel Alves Mobileum - Applications of AI with respect to Content Piracy (TBC)
12:40	B001	Lunch
Session 2: Wales Data Nation Accelerator - Networking Session		
13:30	Lecture Theatre 002	Welcome - Prof Gert Aarts
13:40	Lecture Theatre 002	Keynote - Highlighting WDNA and ATI - Prof Roger Whittaker
14:00	Lecture Theatre 002	Keynote - Highlighting AIMLAC CDT - Prof Gert Aarts
14:10	Lecture Theatre 002	Mark White – Autoencoder components for interpretable models



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14:20	Lecture Theatre 002	Networking – extending AI and data capabilities
15:10	Break	
15:30	Lecture Theatre 002	Networking – extending AI and data capabilities
16:30	Lecture Theatre 002	Close of day sessions
For guest who are invited to the dinner		
18:30	The Village Hotel	Arrival and Drinks
19:30	The Village Hotel	Dinner



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Friday 24 th June		
When	Room	All staff, students, partners
Session 3: Presentations for Applications of AI		
9:30	Lecture Theatre 002	Prof Maurice van Putten - Sejong University - GWI 70817 and post-merger fireworks
9:50	Lecture Theatre 002	Mingyu Kim - Promedius - AI in Medical Imaging
10:10	Lecture Theatre 002	Sophie Sadler - Uncertainty in Social Media Popularity Prediction
10:30	Lecture Theatre 002	Kevin Parry - Data and AI at Dwr Cymru Welsh Water
10:50	Break	
11:00	Lecture Theatre 002	Liam Betsworth - Amplyf - Using AI to solve complex & meaningful problems at scale
11:20	Lecture Theatre 002	Hattie Stewart - Radio Image Segmentation with Autoencoders
11:40	Lecture Theatre 002	Jola Mirecka - STFC - cryo-EM data interpretation and validation using AI
12:00	Lecture Theatre 002	James Ronald Msonda - A Quasi-Transparent Graphical Framework for EEG Signal Understanding
12:20	Robert Record Room	Lunch
Session 4: Presentations for Impact of AI		
13:40	Lecture Theatre 002	Zara Siddique - Measuring Cultural Perceptions of Intersectional Identities in the News
14:00	Lecture Theatre 002	Tonicha Crook - A Computability Perspective on (Verified) Machine Learning
14:20	Lecture Theatre 002	Prof Simon Hands - Scientific Computing using DiRAC



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14:40	Lecture Theatre 002	Tabitha Lewis - A Data-centric Approach to the Modelling of Sepsis
15:00	Break	
15:20	Lecture Theatre 002	Andrew F (NCSC) - AI Supporting Secure Critical National Infrastructure
15:40	Lecture Theatre 002	Prof Gert Aarts to close conference
16:00	Close	