Our AI Enabled World (Pushing Humanity Forward).

Symposium

Wednesday 13 September 2023 (9am-5pm)
International Politics Hall, Aberystwyth University

Symposium programme

9.30am	**Welcome and introductions:**
9.45-10.30	Keynote speaker: Emily Lines
	Presentations. Theme: AI Sandpit
10.30-10.40	*Presentation 1:* **Bio-Inspired Noise Profiling for Improving Model Performance** Roger Santer
10.40-10.50	*Presentation 2:* **Ceramics Inspired Physiotherapy** David Jones, Martin Swain, Sophie Bennett-Gillison
10.50-11.00	*Presentation 3:* **Automated Pre-processing Tool for Smart Cities using Machine Learning** Yasir Saleem Shaikh
11.00-11.10	*Presentation 4:* **Idea-based Reinforcement Learning for Non-Stationary Environments** Sebastian Gregory Dal Toé, Bernard Tiddeman and Neil Mac Parthalain
11.10-11.20	*Presentation 5:* **Machine learning for predicting complex traits in miscanthus breeding** Nelson Lubanga; Kerrie Farrar, Chris Davey, Gancho Slavov, Yasir Saleem Shaikh; Reyer Zwiggelaar
11.20-12.00	Coffee
	Presentations:
12.00-12.15	*Presentation 6:* **Automatic Detection and Tracking of Coronal Mass Ejections in real time Coronagraph Images from Multiple Viewpoints using Densenet121 model**. Harshita Gandhi, Cory Thomas, Huw Morgan.
12.15-12.30	*Presentation 7:* **Computer vision for improved food security: Applications of computer vision in biology research**

	Bernard Tiddeman (AU), Muhammad Iftikhar (AU), Seb Gregory Dal Toe (AU), Morteza Ghahremani (UEF), Natalie Hold (BU) and John Doonan (AU)
12.30-12.40	*Presentation 8:* **Development of Aberystwyth Smart Home Research Lab for Connected Independent and Ambient Assisted Living** Patricia Shaw
12.40-1.00	*Panel discussion:* **Art and AI** Helen Miles
1.00-1.45	**Lunch**
1.45-2.30	Keynote speaker: Data mining and automatically discovering major usability issues in eCommerce sites **Richard Jensen**
2:30-2:45	Presentation 9: **What the RSE can offer** Cory Thomas
2.45-4.15	**Activity 1:** Ceramics Inspired Physiotherapy VR demo **Activity 2:** AI and text (Susan Davies)
4.15-4.45	**End of Conference and plans for coming year** Professor Reyer Zwiggelaar