## School of Computer Science Research Students' Public Presentations Schedule (V3.0) 9:40-17:00, 28 April 2025 Computer Science Building, Rooms CSB-1007 & CSB-1009

## Monday, 28th April 2025

		Sessions in Room CSB-1007		Sessions in Room CSB-1009			
Name	Day/Date	Presentation Titles	Chair	Name	Day/Date	Presentation Titles	Chair
	9:40 We	Icome Address – First Session Chair		9:40 Welcome Address – First Session Chair			
Alexandru Martin	09:45	Controlling the game: a look at interesting		Kevin O'Brien	09:45	A framework for multi-agent	
Locodi		graph topologies in spatial evolutionary				algorithmic recourse in normal form	
		game theory				games	
Ethan Padden	10:00	The Effects of Representation Design and		Michael Duignan	10:00	Ransomware Detection using Machine	
		Quantum Principles in Evolutionary				Learning and Deep Learning	
		Algorithms					
Evan O'Riordan	10:15	Dictator Game Trust Networks		Xue Yang	10:15	Demonstration-Guided Continual	
						Reinforcement Learning in Dynamic	
						Environments	
Hossein Khaleghy	10:30	Electricity Disaggregation in Dairy Farms	Dr Adrian	Gearóid Reilly	10:30	Multi-user Activity Based Virtual	Prof Jim
		Using Machine Learning Algorithms	Clear			Reality to facilitate social interaction	Duggan
						for older adults with and without	
						dementia	
Ilas Faiud	10:45	Modeling Solar PV Adoption in Ireland: An		Maziar Kanani	10:45	Symbolic Dataset for Non-metric	
		Agent-Based Modelling Approach				Iranian Classical Music	
Muhammad Adeel	11:00	Depth Estimation for Autonomous		Rana Zeeshan	11:00	Pursuit of Digital Innovation in	
Hafeez		Vehicles				Psychiatric Data-Handling Practices in	
						Irish Mental Health Services	
Zixian Zhang	11:15	AI-Driven Approaches to Code Similarity		Kevlyn Stanly	11:15	Enhancing HVAC Control Efficiency:	
		Measurement		Kadamala		Transfer Learning Approaches	
		BREAK 11:30 - 11:45				BREAK 11:30 - 11:45	
Mashal Khan	11:45	Enhancing Trust and Reliability in		Dost Muhammad	11:45	Evaluating Explainable AI Methods for	
		Federated Learning through Resource				Medical Image Processing: How Can	
		Optimization and Data Quality Assurance				the Explainability Be Enhanced and	
						Evaluated?	
Seán Caulfield	12:00	Microsimulation for Ireland		Eléa Thuilier	12:00	Virtual rehabilitation using Augmented	
Curley			Dr Karl			Reality (AR) Exergames for	Dr Patrick
			Mason			Osteoporosis: a Clinical Trial	Mannion
Damian Wlodarczyk	12:15	Enhancing Traffic Rerouting in Disaster		Malaika Mushtaq	12:15	Explainable Lightweight Neural	
		Scenarios Using Unmanned Aerial				Network Architectures	
		Vehicles: A Grammar-Guided Genetic					
		Programming Approach					

Hazrat Bilal	12:30	Automated Retinal Disease Detection and		Adam Callaghan	12:30	Extending Evolution-Guided Policy				
		Diagnosis		J		Gradient Learning Into The Multi-				
						Objective Domain				
Michael Gian	12:45	On-Device Neural Speech Processing for		Aaron Flanagan	12:45	Acquisition and Analysis of Raman				
Gonzales		Consumer Devices				Spectral Data				
Durre Zehra Syeda	13:00	Prediction and Longitudinal Visualisation		Mian Ibad Ali Shah	13:00	Multi Agent Reinforcement Learning				
		of Malware Evolution Using Artificial				enabled Peer to Peer Energy Trading in				
		Intelligence				Dairy Farms				
		LUNCH 13:15 – 14:00				LUNCH 13:15 – 14:00				
Kazim Hussain	14:00	Strategic Insights into AI Business Models:		Timothy Hanley	14:00	Synthesising Microsaccades in Time				
		Examining the Application Framework				Events				
		Concept in the Irish Context								
Asena Isik Gurhan	14:15	Redefining Novel DNA Functional		Kouider Chadli	14:15	Responsible DevOps of Machine				
		Archetypes Through AI Design and				Learning Enabled Systems				
		Expanded Nucleotide Alphabets								
Alamgir Qazi	14:30	When retrieval outperforms generation:		Nawazish Ali	14:30	Exploring Proximal Policy Optimization				
		Dense evidence retrieval for scalable fake	Dr James			for Load Scheduling in Dairy Farms	Dr Bharathi			
		news detection	McDermott				Chakravarthi			
Allassan	14:45	Multi-Modal Federated Learning for		Rodrigo Goncalves	14:45	Knowledge Graph-Based Strategies for				
Tchangmena A		Human Activity Recognition on Privacy		Leite		Smart Residential Microgrids				
Nken		Preserving Videos								
Kavach Dheer	15:00	Transformer-Enhanced Collaborative		Iqra Nosheen	15:00	Virtual Reality for Robust Deep				
		Filtering for Next-Gen Recommendations				Learning in the Real World				
		BREAK 15:15 - 15:30				BREAK 15:15 - 15:30				
Ayman Abaid	15:30	Deep Learning for Cardiovascular Medical		Rory Sweeney	15:30	Genetic programming for interpretable				
		Imaging				models of wastewater treatment plant				
						data				
Kevin Derrane	15:45	?		Umay Kulsoom	15:45	Explainable NLP for Clinical Text				
						Analysis				
Louise McCormack	16:00	Trustworthy Artificial Intelligence	Dr Nazre	Jonaid Shianifar	16:00	Multi-Objective Reinforcement	Dr Joe			
		Evaluation	Batool			Learning for Adaptive Robotic Arm	Lemley			
						Control				
Muhammad Asad	16:15	Out-of-Distribution (OOD) Object		Irish Senthilkumar	16:15	An agent-based artificial intelligence-				
		Detection for Autonomous Vehicles				driven 3D deformable cell framework				
						to investigate mechanisms underlying				
						mechanosensitive tumour growth				
POST-GRC GATHERING – SULT (COLLEGE BAR)										