

Wednesday 18th September

08:30 - 09:00	Registration Networks Centre Foyer	
09:00 - 10:50	Data Science for the Internet of Things Sefki Kolozal CSEE Lab 1	Design and applications of brain-computer interfaces Sebastian Halder CSEE Lab 3
10:50 - 11:10	Coffee Break Networks Centre Foyer	
11:10 - 12:00	Data Science for the Internet of Things Sefki Kolozal CSEE Lab 1	Design and applications of brain-computer interfaces Sebastian Halder CSEE Lab 3
13:00 - 14:00	Lunch Networks Centre Foyer	
14:00 - 16:00	Signal processing for estimation of vital signs from wearable sensors Delaram Jarchi CSEE Lab 1	Processing, Analysis, and Classification for Neuroimaging Data Junhua Li CSEE Lab 3
17:00 - 19:00	Sports Activity	

Directions:

CSEE Labs from Square 2:

CSEE Lab 1: https://findyourway.essex.ac.uk/?cmsid=2625&project_id=1&origin=6375&destination=3447&project_id=1&disabled=falseCSEE Lab 3: https://findyourway.essex.ac.uk/?cmsid=2625&project_id=1&origin=9089&destination=5318&project_id=1&disabled=false

Networks Centre Foyer:

From Square 1: https://findyourway.essex.ac.uk/?cmsid=2625&project_id=1&origin=6375&destination=9928&project_id=1&disabled=false

Thursday 19th September

08:00 - 09:00	Registration and Coffee Tony Rich Teaching Centre lower level Foyer	
09:00 - 09:15	Conference Opening TC 2.6	
09:15 - 10:10	Natural Language Processing for Creative Thought: Predicting Novel Concepts Keynote - Dr Lonneke van der Plas Chair - TC 2.6	
10:10 - 11:05	Brain Computer Interfaces fad or future Keynote - Prof Slawomir Nasuto Chair - TC 2.6	
11:10 - 11:30	Coffee Break TC lower floor foyer	
11:30 - 12:30	Games AI Chair - TC 2.8	Imaging and Visual Mapping Chair - TC 2.13
	Body Mass Index Awareness using Game-based Learning in Malaysia: Game Design and Initial User Experiences Nurul Amelina Nasharuddin , Erzam Marlisah, Ahmad Iqmer Nashriq, Mohd Nazan, Habibah Ab. Jalil, Ismi Arif Ismail, Aini Marina Ma'arof, Siti Suria Salim	Design of an Occupancy Monitoring Unit: A Thermal Imaging Based People Counting Solution for Socio-Technical Energy Saving Systems in Hospitals Ahmad Taha , Jan Krabicka, Ruiheng Wu, Peter Kyberd, Neil Adams
	Distributed Social Multi-Agent Negotiation Framework For Incomplete Information Games Joseph Walton-Rivers, Edward Longford, Daniel Gomme , Richard Bartle, Michael Gardner	A novel plane based image registration pipeline with CNN scene parsing Dingtian Yan , Huosheng Hu
	A general architecture for maintaining a symbolic representation of the semantic game state Emily Marriott , Alex Whittaker	Moments of Interest: A novel cloud-based crowdsourcing application enhancing smart tourism recommendations Aristea Kontogianni , Efthimios Alepis
12:30 - 13:30	Lunch TC lower floor foyer	

Directions:

Teaching Center (TC) [Tony Rich Teaching Centre] Rooms:

TC 2.8 https://findyourway.essex.ac.uk/?cmsid=2625&project_id=1&origin=9089&destination=8761&project_id=1&disabled=false

Thursday 19th September

13:30 - 14:25	Rethinking Arithmetic for Deep Learning Keynote - Prof. George A. Constantinides Chair - TC 2.6	
14:30 - 15:30	Brain and Mind Chair - TC 2.8	Optimization Chair - TC 2.13
	Towards Gamers' Experience Level Decoding with Optical Brain Imaging Mehrin Kiani , Javier Andreu-Perez, Hani Hagraas, Ana R. Andreu, Maria Pinto, Jaime Andreu, Pratusha Reddy, Kurtulus Izzetoglu	Hyperparameter Optimisation with Early Termination of Poor Performers Dobromir Marinov , Daniel Karapetyan
	The Effect that Auxiliary Taxonomized Auditory Distractions have on a P300 Speller while utilising Low Fidelity Equipment Patrick Schembri , Maruisz Pelc, Jixin Ma	Conditional Markov Chain Search for the Generalised Travelling Salesman Problem for Warehouse Order Picking Olegs Nalivajevs , Daniel Karapetyan
	Functional advantages of an adaptive Theory of Mind for robotics: a review of current architectures Francesca Bianco , Dimitri Ognibene	
15:30 - 15:50	Coffee Break TC lower floor foyer	
15:50 - 16:50	Machine Learning Chair - TC 2.8	Augmented and Assistive technologies Chair - TC 2.13
	Using Adaboost and Stochastic gradient descent (SGD) Algorithms with R and Orange Software for Filtering Email Spam Huwaida T. Elshoush , Esraa A. Dinar	Seismocardiography-based detection of heartbeats for continuous monitoring of vital signs Federico Coconcelli , Niccolò Mora, Guido Matrella, Paolo Ciampolini
	Towards Dynamically Adaptable Immersive Spaces for Learning Michiel Smuts , Michael Gardner, Victor Callaghan, Adela Ganem Gutierrez	Design and Evaluation of an open-source Gaze-controlled GUI for Web-browsing Fanny Larradet , Giacinto Barresi, Leonardo S. Mattos
	Extracting Learning Curves From Puzzle Games Rokas Volkovas , Michael Fairbank, John R. Woodward, Simon Lucas	Design Guidelines for Augmented Reality User Interface: A Case Study of Simultaneous Interpretation Oluwadunsin Dabor , Edward Longford, Stuart Walker

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Friday 20th September

08:30 - 09:30	Registration and Coffee TC lower floor foyer		
09:30 - 10:30	Electronics and Energy Chair - TC 2.8	Internet of Things Chair - TC 2.13	Computational Intelligence and Games Chair - TC 2.14
	Efficient charging for batteryless solutions in energy harvesting Michael Walton , John Woods, Ge Zheng	VISTX: Experimenting with Interactive Stance and Sentiment Visualisation Katherine L. Grayson , Jon Chamberlain	Evolving Levels for General Games Using Deep Convolutional Generative Adversarial Networks Ayesha Irfan , Adeel Zafar, Shahbaz Hassan
	Survey of Lockstep based Mitigation Techniques for Soft Errors in Embedded Systems Eduardo Weber Wächter , Server Kasap, Xiaojun Zhai, Shoaib Ehsan and Klaus McDonald-Maier	iCAP:An IoT-based Intelligent Liquid Waste Barrels Monitoring System Wan-Jung Chang, Jian-Ping Su , Chia-Hao Hsu, Liang-Bi Chen, Ming-Che Chen, Huang-Chih Chen, Chiu-Fa Lin	A Constructive Approach for General Video Game Level Generation Adel Zafar, Hasan Mujtaba, Sohrab Ashiq , Mirza Omer Beg
	Evaluation of a Resistor Network for Solving Electrical Problems on Ohmic Media Miguel Capllonch-Juan, Francisco Sepulveda	Analysis of Information Spread across SNSs based on Strong Correlation Assumption with Users' Information Indifference Behavior Shigeo Shioda and Yusuke Nakajima	Generating General Levels using Markov Chains Adeel Zafar , Ayesha Irfan, Muhammad Zeeshan Sabir
10:35 - 11:30	Science and Engineering Out of The Box! Keynote - Prof Peter Cochrane OBE Chair - TC 2.6		
11:30 - 11:50	Coffee Break TC lower floor foyer		
11:50 - 12:45	Soft Robotics - at the intersection of physical interaction and perception Keynote - Prof Kaspar Altaefer Chair - TC 2.6		
12:50 - 14:00	Lunch		
14:00 - 14:55	Data-driven Digital Healthcare: Developing Effective Digital Biomarkers for Parkinson's Disease Keynote - Prof George Roussos Chair - TC 2.6		
15:00 - 16:00	Performance Evaluation Chair - TC 2.8	Networks Chair - TC 2.13	Multimedia Chair - TC 2.14
	A multi-robot simulator for the evaluation of formation control algorithms Aakash Soni , Huosheng Hu	An Enhanced GPSR Protocol For Vehicular Ad hoc Networks Abdelkader Benmir , Ahmed Korichi, Abdelhabib Bourouis, Mohammed Alreshoodi Laith Al-Jobouri	Key Frames Extraction Using Spline Curve Fitting for Online Video Summarization Rana F. Ghani , Sawsen A. Mahmood, Yaseen Naser Jurn, Laith Al-Jobouri
	TCP Multi-Stream Data Transfer using Multiple Network Interface Cards Satoshi Kodama, Rei Nakagawa , Naoto Takahasi	Energy Conservation Technique Based on DSR Protocol in Intelligent Internet of Things Khattab M Ali Alheeti , Laith Al-Jobouri, Duaa Al Dosary, Muzhir Shaban Al-ani	ANN based Measurement for No-Reference Video Quality of Experience Metric Amal Sufiuh Ajrash , Rana Fareed Ghani, Laith Al-Jobouri