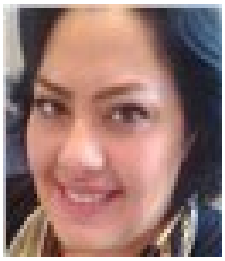
List of Potential Supervisors and Areas of Interest

Name	Contacts	Areas of Interest
Dr. Jose Abdelnour-Nocera *(Professor in Sociotechnical Design)* 	Email: jose.abdelnour-nocera@uwl.ac.uk	• Requirements gathering techniques and design guidelines for web-based communities. • Research on data gathering and evaluation methods to identify and validate sociocultural. • Requirements in the design of interactive systems (can be based on a case study). • Interaction design for social development, • i.e. in developing countries. • Requirements for ubiquitous interactive systems. • Integration of User-Centered Design in Agile Development Methodologies.
Dr Nasim Dadashi Serej *(Lecturer in Computer Science)* 	Email: Nasim.Dadashiserej@uwl.ac.uk	• Image guided navigation, medical imaging, and video processing. • Dataset collection, and close collaboration with clinicians for developing skilful software in different applications.
Dr Sama Aleshaiker *(Senior Lecturer in Computer Science)* 	Email: sama.aleshaiker@uwl.ac.uk	• Mobile Healthcare (Telehealth). • Wireless wearable technology. • Internet of Things (IoT).

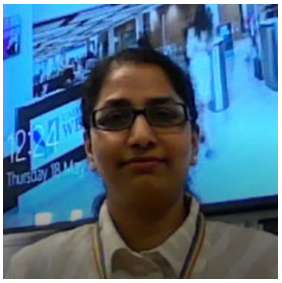
Dr. Fateme Dinmohammadi *(Senior Lecturer in Artificial Intelligence & Robotics)* 	Email: fateme.dinmohammadi@uwl.ac.uk	• Artificial Intelligence (AI). • Applications of AI in Robotics and Digital Technologies. • Internet of Things (IoT) and Smart Cities. • Wearable sensors. • Augmented and Virtual Realities, Digital Twins. • 3D Image Processing and Pattern Recognition. • Sensors, Actuators and multi-agents.
Dr Alireza Esfahani *(Lecturer in Cyber Security)* 	Email: Alireza.Esfahani@uwl.ac.uk	• Wireless Communications. • Cloud Computing Architecture. • Software-Defined Networking (SDN). • Cryptography. • Secure 5G Network Development. • Connected and Autonomous Vehicle (Privacy and Security). • Blockchain Privacy. • Network Coding.
Dr. Shidrokh Goudarzi *(Lecturer in Computer Science)* 	Email: shidrokh.goudarzi@uwl.ac.uk	• Internet of Things (IoT) . • Wearable sensors and devices.

Dr Ali Gheitasy *(Senior Lecturer in Computing)* 	Email: ali.gheitasy@uwl.ac.uk	• Human Centred Artificial Intelligence. • User Centred Design (UCD) and smart university. • Evaluation of socio-technical systems. • Digital & platform businesses. • Online communities and social capital.
Dr Omar Al Hashimi, *(Senior Lecturer in Computing and Information Technology)* 	Email: omar.alhashimi@uwl.ac.uk	• 3D E-Learning. • Human Computer Interaction. • Smart Cities. • Virtual Learning Environment and V-labs. • 3D contents for web and online training. • 3D modelling and Web3D. • AquaFlux and Epsilon Virtual User Manual.
Dr Laden Husamaldin *(Associate Professor in Information Systems and Project Management)* 	Email: Laden.Aldin@uwl.ac.uk	• The Role of Artificial Intelligence in Modern Project • Management Application of VR in Project Management and Education. • Assessing the well-being and sustainability of staff and end users using Technology (Based on UN sustainability goals - SDG3). • Model driven information systems development. • Risk Project Management

Dr. Wei Jie *(Professor in Computing)* 	Email: wei.jie@uwl.ac.uk	• Data science. • Big data analytics. • Computing Security technologies. • Parallel and distributed programming model, tools, environment, and performance evaluation.
Dr. Cain Kazimoglu *(Senior Lecturer in Computer Science)* 	Email: cain.kazimoglu@uwl.ac.uk	• Computational Thinking. • User Experience Research. • Gamification. • Game based learning. • Game design. • Human Computer Interaction. • Virtual Reality. • Augmented Reality. • Mobile application development.
Dr Nasrullah Khilji *(Associate Professor in Project Management)* 	Email: Nasrullah.Khilji@uwl.ac.uk	• Project and Operations Management • Knowledge Management and MIS • Business Process Management (BPM) • E-Business and Digital Business Management • Leadership and Team Dynamics • International Business Management (IBM) • Business Strategies and System • Technology Innovation and Strategic Tech Management.

Dr Thomas Madsen *(Subject Head in Computing - Data Science)* 	Email : Thomas.Madsen@uwl.ac.uk	• Mathematical aspects of ML and AI. • Computational geometry. • Numerical modelling of ODEs and PDEs.
Dr Konstantin Nikolic *(Professor in Computeer Science – AI, Machine Learning & Data Science)* 	Email : konstantin.nikolic@uwl.ac.uk	• Cloud computing platform for health data management. • Spiking Neural Networks (SNNs) applied on problems of pattern recognition and video stream feature extraction. • Application of SNNs on the edge devices (e.g. developing mobile phone apps for recognising). • Neuromorphic hardware and robotic systems (Dynamic Vision Sensor, SpiNNaker board, etc). • Computational Neurotechnology/Health technology. • Dynamical Systems – dimensionality reduction.

Dr Ikram Ur Rehman *(Senior Lecturer in Computer Science)* 	Email : Ikram.Rehman@uwl.ac.uk	• Mobile Healthcare (e.g. medical video streaming, chronic disease management, decision support systems, behavioural change management, Social robotics). • Smart cities to improve Quality of Life (QoL) of disabled. • Multimedia transmission over Macro/small- cell based networks. • 5G networks development and research investigation. • 5G-enabled mobile healthcare applications. • Machine to Machine (M2M), Internet of Things (IoT) developments in ambient assisted living. • 2D and 3D Video optimization using High Efficiency Video Coding (HEVC) standards. • Quality of Service (QoS) and Quality of Experience (QoE) provisioning in next-generation (e.g. 5G) networks. • Using Artificial Intelligence and Machine Learning algorithms to assess the influence of QoS on QoE for VoIP and video traffics.
Dr Malte Ressin *(Senior Lecturer in Computer Science)* 	Email : malte.ressin@uwl.ac.uk	• Trans- and interdisciplinary collaboration. • Software development and software localisation. • Augmented Reality and Virtual Reality. • Mobile computing and mobile working. • Additive manufacturing, re-distributed manufacturing and 3D-Printing.
Parisa Saadati *(Lecturer in IT)* 	Email : Parisa.Saadati@uwl.ac.uk	• Sociotechnical system design in Industry 4.0 technologies. • Participatory Design in automation and augmentation. • Human Computer Interfaces Innovation management and entrepreneurship. • Digital transformation Readiness in large organisations. • Application of VR in Education. • Assessing the well-being and sustainability of staff and end users using Technology (Based on UN sustainability goals - SDG3). • Using data analytics for organisational changes. • Application of Design Thinking and Innovation for better user engagement in automated systems.

Dr Lavanya Srinivasan *(Lecturer in Computer Science)* 	Email: lavanya.srinivasan@uwl.ac.uk	• Biometrics- Person reidentification, Gender identification, etc. • Image understanding – Deep learning and machine learning. • Medical Image Processing – Deep learning and machine learning. • Activity recognition.
Dr Stephen Uzor *(Senior Lecturer in Games and Extended Reality)* 	Email : stephen.uzor@uwl.ac.uk	• Vision AI assessment of Human Gait for healthy ageing. • Extended Reality (XR) guided upper limb therapy for stroke. • Persistent real-time cross reality collaboration (augmented, mixed and virtual reality). • Digital Twins of trees and environmental assessment in virtual reality.
Dr Abel Yeboah-Ofori *(Senior Lecturer in Cyber Security)* 	Email : abel.yeboah-ofori@uwl.ac.uk	• Cyber Threat Intelligence. • Cyber Supply Chain Security and Risk Management. • Cyber Physical Systems Security. • IoT Security and Privacy Issues. • Apply Cryptography, Information and Network Security. • Cyber Attack Modelling and Ontology. • Machine Learning and Cyber Threat Predictive Analytics. • Digital Forensics and IT Law. • Industry 4.0 Security

Dr. Massoud Zolgharni *(Professor in Computer Vision)* 	Email : Massoud.Zolgharni@uwl.ac.uk	• AI in Healthcare • Medical Image Processing & Analysis • Deep Learning & Computer Vision • Multimodal Data Fusion & Annotation • Human-Centered AI & VR in Medical Training
Dr Julie Wall *(Professor of AI and Advanced Computing)* 	Email : Julie.Wall@uwl.ac.uk	• NLP (Natural Language Processing) • Conversational AI • Ethical AI
Helma Betts *(Lecturer in Project Management)* 	Email: helma.betts@uwl.ac.uk	• Digital and process innovation • Change management in IT • Project Management

Dr Ferda Sonmez *(Senior Lecturer at Cybersecurity)* 	Email: ferda.sonmez@uwl.ac.uk	• Security Visualization, • Security Requirements Engineering, • Security Management, • Applied AI in Cybersecurity, • Blockchain and Smart Contract Security, • Decentralized Autonomous Organizations, • Developing Secure, Resilient Systems for Emerging Digital Technologies.