

University Centre Colchester (UCC)

Staff Profile

Name:	Dominic Onimowo
Job title/role:	Lecturer in Engineering
Subjects taught/administrative responsibilities:	Engineering Science and Mechatronics
Qualifications and Membership of Professional bodies:	Institution of Gas Engineers and Managers Society of Petroleum Engineers Membership Institution of Engineering and Technology
Experience in Education:	Anglia Ruskin University, Chelmsford, England. – BENG Mechanical Engineering University of Salford, Manchester – MSc Petroleum and Gas Engineering Anglia Ruskin University, Chelmsford, England. – PhD Mechanical Engineering
Biography and personal interests:	I am an active researcher in the field of mechanical engineering and have experience in Computational Fluid Dynamics (CFD), Heat transfer Enhancement, Finite Element Analysis (FEA) and Computer Aided Design (CAD). My PhD involved the analysis of fluid flow geometries and the effects on the physics of flow using computational fluid dynamics. Design Rights are also held for the designs which were generated in the course of research done. I have worked as a research assistant carrying out computer based fluid dynamics simulations on a 3D printer in order to create a digital twin and connect this to the Internet of Things (IoT). I have also co-authored publications one of which is the desktop 3D printer with dual extruders to produce customised electronic circuitry.
Professional practice / research interests:	https://link.springer.com/article/10.1007/s11465-018-0502-1
Link to personal (professional) website:	https://www.linkedin.com/in/dominiconimowo/ https://www.researchgate.net/profile/Dominic_A_Onimowo https://scholar.google.com/citations?user=3F7dh3sAAAAJ&hl=en
Publications/consultancy/knowledge transfer:	Patents and Intellectual Property 6021617; 6021618; 6021620; 6021621; 6021622; 6021623; 6021624; 6021625; 6021626. https://www.registered-design.service.gov.uk/find/djfds9p2/92371209/designsbyowner