

2020 Completions - Engineering

Dr. Khawla Abdulkathem Ali Al-Jahel

(Specialisation: Mechanical engineering) (Conferred: 22-Jan-2020)

Study the simultaneous effect of environment and mechanical loading on the CFRP repair steel structures

Dr. Rukshan Maliq Azoor

(Specialisation: Civil engineering) (Conferred: 22-Jan-2020)

Evaluation of soil aeration as applicable to underground metal corrosion

Dr. Qing Cao

(Specialisation: Materials engineering) (Conferred: 22-Jan-2020)

On the mechanism, detection and mitigation studies of corrosion under insulation of mild steel

Dr. Jang Sen Chang

(Specialisation: Chemical engineering) (Conferred: 22-Jan-2020)

Insight into the Impacts of Morphological-Controlled Zinc Oxides Nanoarchitectures on Synthetic and Real Wastewater Treatment

Chun On Chin

(Specialisation: Civil engineering) (Conferred: 22-Jan-2020)

Characterization of Thermal and Engineering Properties of Lightweight Concrete Incorporated with Paraffin-Oil Palm Kernel Shell Composite Phase Change Material

Dr. Chun Yuan Chot

(Specialisation: Chemical engineering) (Conferred: 22-Jan-2020)

Development of Molybdenum Trioxide-based Photoanodes with Charge Storage Capacity for Photoelectrochemical Water Oxidation under Illuminated and Non-Illuminated Conditions

Daniel Dehtyriov

(Specialisation: Aerospace engineering) (Conferred: 22-Jan-2020)

Dynamics and Instabilities of Vortex Pairs in the Presence of Walls

Dr. Jacob Febryadi Nithanel Dethan

(Specialisation: Mechanical engineering) (Conferred: 22-Jan-2020)

Mechanical and thermal properties of carbon and boron nitride nanotubes for hydrogen storage application: a molecular dynamics study

Dr. Yuan Teng Foo

(Specialisation: Chemical engineering) (Conferred: 22-Jan-2020)

A Novel Approach to In-Situ Synthesis of Ceramic Nanocomposite Particles: Case for Gadolinia-doped YSZ

Dr. Jiaul Islam

(Specialisation: Biomedical engineering) (Conferred: 22-Jan-2020)

Development of one-step fluorescent biosensors by exploiting engineered antibodies

Nalika Damayanthi Nahinnage Dona

(Specialisation: Electronic & computing) (Conferred: 22-Jan-2020)

Localization of RGB-D Sensors for Robotic and AR Applications

Dr. Shaohan Zhao

(Specialisation: Geotechnical engineering) (Conferred: 22-Jan-2020)

Numerical Modelling of Strain Localisation and Failure in Dry/unsaturated Soils Using the Smoothed Particle Hydrodynamics Method

Dr. Meriam Anushani Welikala Bibile

(Specialisation: Electrical and electronic engineering and technology- other) (Conferred: 05-Feb-2020)

Robust Detection of A Moving Chipless RFID Tag

Mun Chun Ho

(Specialisation: Engineering) (Conferred: 05-Feb-2020)
Alkaline Hydrogen Peroxide and Deep Eutectic Solvent Sequential Pretreatment of Oil Palm Fronds

Dr. Yanming Liu

(Specialisation: Civil engineering) (Conferred: 05-Feb-2020)
Development of digital concrete via 2.5D microstructure reconstruction

Dr. Vincent Kok Yeow Tan

(Specialisation: Industrial engineering) (Conferred: 05-Feb-2020)
Enhanced Utilization of Pyrolysis Products from Waste Tyre for the Generation of Fuels

Yangjunjie Wang

(Specialisation: Mechanical engineering) (Conferred: 05-Feb-2020)
Constraint Analysis for Mechanisms

Dr. Graham Bell

(Specialisation: Aerospace engineering) (Conferred: 19-Feb-2020)
Coupling of Underexpanded Twin-Jets

Dr. Taru Jain

(Specialisation: Transport engineering) (Conferred: 19-Feb-2020)
Car Share: A lever for encouraging sustainable travel behaviour

Dr. Laura Elizabeth Mccarthy

(Specialisation: Transport engineering) (Conferred: 19-Feb-2020)
Trajectories and transitions: Exploring declining public transit use following parenthood

Dr. Romesh Pramodya Wijesiri

(Specialisation: Chemical engineering) (Conferred: 19-Feb-2020)
Development and Evaluation of a Process for Removing CO₂ from the Atmosphere

Dr. Lei Xie

(Specialisation: Structural engineering) (Conferred: 19-Feb-2020)
Fibre Reinforced Polymer Composites and Sandwich Assembly for Column and Wall Applications

Dr. Mayer Mario Melhem

(Specialisation: Structural engineering) (Conferred: 04-Mar-2020)
A structural reliability approach for the management of heavy vehicle access on highway bridge networks

Dr. Yingnan Wang

(Specialisation: Civil engineering) (Conferred: 04-Mar-2020)
Modelling rock fractures using SPH with an embedded fracture process zone

Dr. Dorota Malwina Bacal

(Specialisation: Engineering - other) (Conferred: 18-Mar-2020)
Back-Contact Perovskite Solar Cells

Shian Mike Chi

(Specialisation: Mechanical engineering) (Conferred: 18-Mar-2020)
Numerical investigation of flow past bluff bodies at transitional Reynolds numbers: from cylinders to cyclists

Dr. Iman Ghanim Ja'Baz

(Specialisation: Chemical engineering) (Conferred: 18-Mar-2020)
High-Temperature Fireside Tube Corrosion during Oxy-Fuel Combustion of Low Rank Coal

Dr. Ainan Leong Johan Leong Sow Chew

(Specialisation: Electronic & computing) (Conferred: 18-Mar-2020)

2D Materials Integrated Acoustic Wave Environmental Sensors: Investigation on Mass Loading Effects, Fabrication, and Sensor Characteristics

Dr. Kai Liu

(Specialisation: Civil engineering) (Conferred: 18-Mar-2020)

Dynamic Behaviours of Rock Materials under Coupled Multi-axial Confinement and Dynamic Loading

Dr. Yiyi Liu

(Specialisation: Chemical engineering) (Conferred: 18-Mar-2020)

Functional Polymers Modified Plasmonic Nanoparticles: Preparation, Assembly and Stimuli Responses

Dr. Andrea Massetti

(Specialisation: Civil engineering) (Conferred: 18-Mar-2020)

Enhancement of fire spread modelling using high-resolution remotely sensed data

Dr. Kay Tze Ng

(Specialisation: Civil engineering) (Conferred: 18-Mar-2020)

Biofilters in urban agriculture: Exploring the potential to combine food production and stormwater treatment

Dr. Saaveethya Sivakumar

(Specialisation: Electrical and electronic engineering and technology- other) (Conferred: 18-Mar-2020)

Lower Body Gait Kinematics Estimation Using Foot Kinetics

Dr. Mohammadali Forouzandeh

(Specialisation: Electrical & electronic eng & tech general) (Conferred: 02-Apr-2020)

Design and Implementation of Ultra-Wideband Frequency-Domain Chipless RFID Readers

Dr. Weilun Li

(Specialisation: Materials engineering) (Conferred: 02-Apr-2020)

Transmission Electron Microscopy Study of Gold Nanocubes: Twinning and Anisotropic Growth

Yongmei Sun

(Specialisation: Chemical engineering) (Conferred: 02-Apr-2020)

Spray Drying of a Novel Low Bulk Density Reduced Sugar Powder

Dr. Warnakula Arachchiralalage Don Anton T K Warnakula

(Specialisation: Electrical engineering) (Conferred: 02-Apr-2020)

Computational modelling of Nano-resonators and coupled gain media

Dr. Lai Ling Wong

(Specialisation: Chemical engineering) (Conferred: 02-Apr-2020)

Microgel-Functionalised Hollow Fibre Membrane for Dialysis

Dr. Tune Hau Chong

(Specialisation: Biomedical engineering) (Conferred: 16-Apr-2020)

A Compliant Ankle Rehabilitation Robot using Shape Memory Alloy Wire Actuator

Dr. Qingbo Jia

(Specialisation: Materials engineering) (Conferred: 16-Apr-2020)

Development of high strength aluminium alloys for additive manufacturing

Dr. Derui Jiang

(Specialisation: Materials engineering) (Conferred: 16-Apr-2020)

Additive Manufacturing of Duplex Stainless Steels using Laser-Powder Bed Fusion

Dr. Jingsong Sun

(Specialisation: Materials engineering) (Conferred: 16-Apr-2020)
Charge Transport Layer And Interface Engineering In Perovskite Solar Cells

Dr. Yunhe Zheng

(Specialisation: Materials engineering) (Conferred: 16-Apr-2020)
Characterization of Mg-Zn-Al casting alloys using transmission electron microscopy

Dr. Patcharin Chen

(Specialisation: Biomedical engineering) (Conferred: 29-Apr-2020)
Graphene based flexible electrodes for brain stimulation and recording

Dr. Yuhan Huang

(Specialisation: Materials engineering) (Conferred: 29-Apr-2020)
Effects of Fast-rolling on Microstructure and Bending Properties of Mg Sheet

Dr. Filomena Innella

(Specialisation: Civil engineering) (Conferred: 29-Apr-2020)
Performance of building modules production and transportation

Dr. Anisha Balachandran Suraiya

(Specialisation: Materials engineering) (Conferred: 14-May-2020)
Bioengineered 3D microenvironments for in vitro T cell generation and CAR-T cell delivery

Dr. Tianqi Gu

(Specialisation: Transport engineering) (Conferred: 14-May-2020)
Bike-share System Development and the InterRelationship between Bike-share System and Mass Transit based on Data-driven Methodology

Dr. Bin Li

(Specialisation: Materials engineering) (Conferred: 14-May-2020)
Sequential Deposition of Perovskite Films and Their Application to Solar Cells

Dr. Siavash Maleki

(Specialisation: Aerospace engineering) (Conferred: 14-May-2020)
Numerical Investigations into the Aerodynamics of Freight Trains

Dr. Siti Hawa Binti Mohamed Salleh

(Specialisation: Materials engineering) (Conferred: 14-May-2020)
Spatial and Local Studies of Magnesium Corrosion using Scanning Electrochemical Microscopy (SECM)

Dr. Mahbubul Hasan Siddiquee

(Specialisation: Civil engineering) (Conferred: 14-May-2020)
Microbial Hazards from Faecal Pollution in Urban Estuaries: A Case Study of the Lower Yarra River

Dr. Chujie Wang

(Specialisation: Materials engineering) (Conferred: 14-May-2020)
Synthesis and Surface Chemistry of Phase-Stable Caesium Lead Halide Perovskite Colloidal Nanocrystals

Dr. Lingyu Wang

(Specialisation: Materials engineering) (Conferred: 14-May-2020)
Mechanical Properties of Tempered Martensite

Dr. Runjia Liu

(Specialisation: Chemical engineering) (Conferred: 27-May-2020)
Investigation of Granular dynamics and particle mixing in gas-solid two phase fluidized beds

Dr. Md Shahabuddin Ahmmad

(Specialisation: Chemical engineering) (Conferred: 28-May-2020)

Co-gasification Characteristics of Biomass and Bangladeshi Bituminous Coal under Entrained Flow Conditions

Dr. Stefanie Nicole Cincotta

(Specialisation: Electrical engineering) (Conferred: 28-May-2020)

Angle of arrival receiver design for a visible light positioning system

Daniel Fini

(Specialisation: Chemical engineering) (Conferred: 28-May-2020)

Investigation of Australian coals for Carbon Fuel Cells (CFC)

Dr. Xin Li

(Specialisation: Mechanical engineering) (Conferred: 28-May-2020)

Simulation of solid flow in single screw conveyors

Dr. Yue Liu

(Specialisation: Chemical engineering) (Conferred: 28-May-2020)

Direct Z-scheme Vertical Heterojunctions for Photocatalytic Water Disinfection

Dr. Chun Kiu Ng

(Specialisation: Materials engineering) (Conferred: 28-May-2020)

Synthesis of Colloidal CsPbBr₃ and their Thin Film Deposition

Dr. Ding Peng

(Specialisation: Materials engineering) (Conferred: 28-May-2020)

QCBED-DFT: a New Combination of Experiment and Theory for the Determination of Atomic and Electronic Structure and its Application to Strongly Correlated Electron Materials

Dr. Melissa Helene Preissner

(Specialisation: Biomedical engineering) (Conferred: 28-May-2020)

Dynamic X-ray imaging of mice in vivo to investigate lung function and structure in ventilator-induced lung injury

Dr. Imtenan Sayeed

(Specialisation: Chemical engineering) (Conferred: 28-May-2020)

Advancing Chemical Looping Combustion of Victorian Brown Coal Using Fe-based Oxygen Carriers

Dr. Mayu Alberto Tincopa Heredia

(Specialisation: Geotechnical engineering) (Conferred: 28-May-2020)

Experimental and numerical studies of moisture movements through a GCL composite liner under elevated temperatures and low/high confining stresses

Dr. Wai Mun Chan

(Specialisation: Chemical engineering) (Conferred: 11-Jun-2020)

Process modelling and optimization for sustainable heat recovery chilled water network synthesis

Dr. Kai Huang

(Specialisation: Transport engineering) (Conferred: 11-Jun-2020)

Network planning and operation strategies design for one-way carsharing systems

Dr. Viraj Rangana Senevirathne Kulathunge Mudiyansele

(Specialisation: Computer engineering) (Conferred: 11-Jun-2020)

Analysis of Scattering Properties of Nanohybrids with Non-Spherical Nanoresonators and Coupled Quantum Emitters

Shan Neng Lee

(Specialisation: Electronic & computing) (Conferred: 11-Jun-2020)

A Modular LED Lighting Control System for Circadian Lighting

Dr. Hin Foo Low

(Specialisation: Civil engineering) (Conferred: 11-Jun-2020)

Experimental and numerical studies on a prestressed transfer plate subjected to staged casting and sequential stressing

Dr. Chengyu Qiu

(Specialisation: Structural engineering) (Conferred: 11-Jun-2020)

Splice Connection for Tubular Section Pultruded Fibre Reinforced Polymer Members in Building Construction

Dr. Paul Douglas White

(Specialisation: Materials engineering) (Conferred: 11-Jun-2020)

The Effect of Hydrogen and Mean Stress on Variable Amplitude Fatigue Crack Growth in Aluminium

Shelley Yap

(Specialisation: Mechanical engineering) (Conferred: 11-Jun-2020)

Bipolar Radiofrequency Ablation: A Computational Study on the Tissue Thermophysiological Responses

Dr. Muayad Nadhim Zemam Al-Shaeli

(Specialisation: Chemical engineering) (Conferred: 24-Jun-2020)

Anti-Fouling Membranes for Ultrafiltration

Dr. Zijun He

(Specialisation: Materials engineering) (Conferred: 24-Jun-2020)

Electromechanical characterisation and application of graphene aerogel/polymer composites

Dr. Godfrey Ming Yan Keung

(Specialisation: Mechanical engineering) (Conferred: 24-Jun-2020)

Mechanism Synthesis of Walking Assistive Device for Osteoarthritis

Dr. Lakshitha Chathuranga Kumarapperuma Arachchige

(Specialisation: Computer engineering) (Conferred: 24-Jun-2020)

Quantum Plasmonic Analysis of Spasers

Dr. Han Yew Joshua Nah

(Specialisation: Electrical engineering) (Conferred: 24-Jun-2020)

Optimizing Visible Light Illumination and Positioning

Abdul Mateen Qadri

(Specialisation: Mechanical engineering) (Conferred: 24-Jun-2020)

Computational Modelling of 4D Flow MRI Data

Dr. Hesara Welivitiya

(Specialisation: Civil engineering) (Conferred: 24-Jun-2020)

Bicycle train intermodality: Exploring mode choice decisions and mode shift potential

Dr. Jonathan Yik Wai Chew

(Specialisation: Chemical engineering) (Conferred: 09-Jul-2020)

The Maillard Reaction in Infant Formula during Processing and Storage

Anas Mohamed

(Specialisation: Electronic & computing) (Conferred: 09-Jul-2020)

Optimal Control of Lighting Schedules for Circadian Entrainment using a Wearable Spectral Sensor

Dr. Michael Kieran Moriarty

(Specialisation: Metallurgy) (Conferred: 09-Jul-2020)

Deformation Processing of Lead-Free Duplex Brass

Hao Sui

(Specialisation: Civil engineering) (Conferred: 09-Jul-2020)

Microstructure Characterization of Limestone Calcined Clay Cement via Image-based Characterization and Artificial Intelligence

Dr. Sandun Madhusanka Dassanayake Dassanayake Mudiyansele

(Specialisation: Civil engineering) (Conferred: 22-Jul-2020)

An Integrated Experimental and Statistical Approach for Predicting the Progression of Internal Instability in Gap-Graded Granular Soils

Dr. Chathurika Jeewanthi Jayasundara Jayasundara Mudiyansele

(Specialisation: Geotechnical engineering) (Conferred: 22-Jul-2020)

A generalised constitutive model for unsaturated compacted soils considering wetting/drying cycles and environmentally stabilised line within the MPK framework

Dr. Boer Tan

(Specialisation: Engineering - other) (Conferred: 22-Jul-2020)

Concepts Towards Higher Efficiency and Stability Perovskite Solar Cells

Dr. Fang Sheng Lim

(Specialisation: Mechanical engineering) (Conferred: 05-Aug-2020)

Tunable Plasmon-induced Charge Transport and Photon Absorption of Bimetallic Au/Ag Nanoparticles on ZnO Photoanode for Photoelectrochemical Enhancement under Visible Light

Dr. Aamir Mahsen Mahawish

(Specialisation: Civil engineering) (Conferred: 05-Aug-2020)

Bio-grouting Improving Engineering Behaviour of Coarse Granular Columns

Dr. Yong Pang

(Specialisation: Mechanical engineering) (Conferred: 05-Aug-2020)

Development of laser speckle imaging systems for non-contact strain measurements and structural health monitoring

Liyanage Udari Prasadini Perera

(Specialisation: Chemical engineering) (Conferred: 05-Aug-2020)

Synthesis of lignin nanoparticles: Applications in biocomposites

Dr. Kian Lun Soon

(Specialisation: Electronic & computing) (Conferred: 05-Aug-2020)

A Pheromone-based Artificial Intelligence Vehicular Transportation System

Dr. Fan Wu

(Specialisation: Electrical & electronic eng & tech general) (Conferred: 05-Aug-2020)

Implementation of IoT Sensor Networks for Environment, Safety and Health Monitoring Applications with Energy Harvesting and Edge-Assisted Techniques

Dr. Hasan Jubaer

(Specialisation: Chemical engineering) (Conferred: 19-Aug-2020)

Computational Fluid Dynamics Modelling of Agglomeration during Spray Drying

Jia Min Lee

(Specialisation: Chemical engineering) (Conferred: 19-Aug-2020)

Formation of gelatin microgels using water-in-water emulsification technique

Dr. Jun Lu

(Specialisation: Chemical engineering) (Conferred: 19-Aug-2020)

Metal-Organic Framework-based Sub-nanochannels for Selective Ion Transport

Dr. Shi Qiu

(Specialisation: Mechanical engineering) (Conferred: 19-Aug-2020)

Graphene encapsulation enabled three-dimensional chemical mapping of liquid specimens at near-atomic resolution

Dr. Aayush Kant

(Specialisation: Biomedical engineering) (Conferred: 23-Aug-2020)

Stress Driven Physiological Damage After Traumatic Brain Injuries

Dr. Rihab Abdul Razak

(Specialisation: Engineering - other) (Conferred: 23-Aug-2020)

Distributed Adaptive Control of Mobile Sensor Networks: Coverage and Estimation Algorithms

Dr. Shashibhushan Biliangadi

(Specialisation: Environmental engineering) (Conferred: 23-Aug-2020)

Synthesizing Soil using Linz-Donawitz (LD) Slag From Iron and Steel Industry

Dr. Antara Dasgupta

(Specialisation: Civil engineering) (Conferred: 23-Aug-2020)

Optimizing SAR-based Flood Extent Assimilation for Improved Hydraulic Flood Inundation Forecasts

Dr. Sivakumar Ganesan

(Specialisation: Materials engineering) (Conferred: 23-Aug-2020)

Inkjet printing of transport layers and photoactive layer for bulk heterojunction organic solar cell

Dr. Vivek Garg

(Specialisation: Mechanical engineering) (Conferred: 23-Aug-2020)

Focused Ion Beam (FIB) Fabrication of Novel 2D/3D Nanoscale Structures: Process Modeling and Applications

Dr. Pratik Vinayak Gholkar

(Specialisation: Chemical engineering) (Conferred: 23-Aug-2020)

Conversion of Microalgae into Hydrogen or Methane-rich Syngas

Dr. Pragya Gupta

(Specialisation: Mechanical engineering) (Conferred: 23-Aug-2020)

Multiphysics numerical modelling for HIFU-induced bioeffects and controlled delivery of ablation dosage for oncological applications

Dr. Laxman Kumar Malla

(Specialisation: Mechanical engineering) (Conferred: 23-Aug-2020)

Experimental Study of Impact and Evaporation of a Droplet on a Solid Surface: Self-Assembly of Colloidal Particles and Bouncing Droplets

Dr. Amarender Nagilla

(Specialisation: Mechanical engineering) (Conferred: 23-Aug-2020)

Modelling and simulations of active fluid interfaces

Dr. Dinesh Panneerselvam

(Specialisation: Geotechnical engineering) (Conferred: 23-Aug-2020)

Numerical Investigation of the Integrity of the Caprock Behaviour of Saline Aquifers: CO₂ Sequestration

Dr. Milind Satish Patil

(Specialisation: Geotechnical engineering) (Conferred: 23-Aug-2020)

Behaviour of Tunnels in Soft Soil under both Static and Seismic Conditions

Dr. Naga Surya Anjan Kumar Pudi

(Specialisation: Electrical engineering) (Conferred: 23-Aug-2020)
Highly Electromagnetic Interference (EMI) Immune Nano-Scale Integrated Circuits

Dr. Bharath Ravu

(Specialisation: Mechanical engineering) (Conferred: 23-Aug-2020)
Lagrangian Transport Structures in Three-dimensional Incompressible Time-periodic Flow

Dr. Lavanya Sethuraman

(Specialisation: Mechanical engineering) (Conferred: 23-Aug-2020)
Particle Settling in Sheared non-Newtonian Fluids

Dr. Rajeshwara Chary Sriramadasu

(Specialisation: Civil engineering) (Conferred: 23-Aug-2020)
Ultrasonic Guided Waves for Pitting Corrosion Monitoring of Reinforced Concrete Structures

Dr. Vibhuti

(Specialisation: Chemical engineering) (Conferred: 23-Aug-2020)
Pyrolysis of mixed municipal solid waste: Interaction effect and scale-up studies

Dr. Vinod Vijay Kumar

(Specialisation: Chemical engineering) (Conferred: 23-Aug-2020)
Regional sustainability assessment of resource depletion using dynamic modelling

Dr. Weerahennedige Ashane Madusha Fernando

(Specialisation: Chemical engineering) (Conferred: 02-Sep-2020)
Novel Strategies to Minimise Liquid Flow Channelling in Packed Bed Systems Pertaining to Industrial Heap Leaching

Dr. Simone Gelsinari

(Specialisation: Civil engineering) (Conferred: 02-Sep-2020)
Assimilating remotely sensed evapotranspiration data into next-generation hydrogeological models

Dr. Hanwen Kang

(Specialisation: Mechanical engineering) (Conferred: 02-Sep-2020)
Deep-Learning in Fruit Detection and Segmentation for Harvesting Robots

Dr. Parag Tarachand Moon

(Specialisation: Civil engineering) (Conferred: 02-Sep-2020)
Investigation Of Bond Strength Of SMA Bars In Concrete Under High Temperature

Dr. Likhitha Mundodi

(Specialisation: Environmental engineering) (Conferred: 02-Sep-2020)
Study of use of artificial topsoils created from mine wastes, powerplant waste and paper industry waste in mine rehabilitation

Dr. Khang Aik Tan

(Specialisation: Chemical engineering) (Conferred: 02-Sep-2020)
A greener approach for metallic parts cleaning industry: Microbubble flotation

Dr. Tiffany Obog Tang

(Specialisation: Materials engineering) (Conferred: 02-Sep-2020)
Design and Fabrication of 3D Printed Drug Delivery Systems

Dr. Vidhishri Kesarwani

(Specialisation: Biomedical engineering) (Conferred: 02-Sep-2020)
Fundamental interactions between organosilica nanoparticles and the human pathogen, Candida albicans

Dr. Larry M Arjomandi

(Specialisation: Electrical engineering) (Conferred: 16-Sep-2020)
A 60 GHz Chipless RFID System Using Artificial Intelligence

Dr. Yaohui Chen

(Specialisation: Mechanical engineering) (Conferred: 16-Sep-2020)
Development of lobster-inspired hybrid actuators for compliant robotic applications

Dr. Lulu Jiao

(Specialisation: Chemical engineering) (Conferred: 16-Sep-2020)
Development and applications of a comprehensive three-dimensional (3D) blast furnace process model

Dr. Thomas Knast

(Specialisation: Aerospace engineering) (Conferred: 16-Sep-2020)
The Effect of Jet Exit Pressure on Jets in Supersonic Crossflow

Dr. Seyedali Rezaeikeneti

(Specialisation: Geotechnical engineering) (Conferred: 16-Sep-2020)
Consideration of Rock Mass Violent Failure Mechanisms around Underground Excavations

Dr. Muhammad Shafiq Yahya

(Specialisation: Mechanical engineering) (Conferred: 16-Sep-2020)
Synthesis of Graphene Oxide (GO)-coated microbubbles for Polycyclic aromatic hydrocarbon (PAH) removal from aqueous solutions

Dr. Firnaaz Ahamed

(Specialisation: Chemical engineering) (Conferred: 30-Sep-2020)
Modelling Consolidated Bioprocessing of Cellulose via Population Balances Coupled with Cybernetic Models

Dr. Tiance An

(Specialisation: Chemical engineering) (Conferred: 30-Sep-2020)
Vertically Aligned Gold Nanowires for Soft, Skin-conformable, Stretchable Supercapacitors and Self-Powered Sensors

Dr. Milad Bazli

(Specialisation: Civil engineering) (Conferred: 30-Sep-2020)
Mechanical and microstructural properties of different FRP composites under various environmental conditions

Dr. Chenting Ding

(Specialisation: Civil engineering) (Conferred: 30-Sep-2020)
Connection and system performances of steel prefabricated and modular structures

Dr. Nora Estgfaeller

(Specialisation: Transport engineering) (Conferred: 30-Sep-2020)
Exploring Service Concentration, Service Coverage and Resourcing in Urban Bus Networks

Dr. Wenchao Gao

(Specialisation: Chemical engineering) (Conferred: 30-Sep-2020)
Development And Application Of Integrated Multiscale Model For Electrostatic Precipitation

Dr. Ruhollah Habibi

(Specialisation: Mechanical engineering) (Conferred: 30-Sep-2020)
Particle and cell manipulation in microfluidics: patterning and trapping using ultrasound

Dr. Yang Li

(Specialisation: Chemical engineering) (Conferred: 30-Sep-2020)
Manipulating Channel and Charge Properties of Graphene Oxide Membranes for Desalination

Dr. Yixian Liu

(Specialisation: Metallurgy) (Conferred: 30-Sep-2020)

A theoretical study of solute clusters and precipitate phases in Mg-RE alloys

Dr. Tianyao Shen

(Specialisation: Mechanical engineering) (Conferred: 30-Sep-2020)

Modelling and characterisation of mechanical behaviour of adherent cells in AFM indentation

Dr. Julia Ann-Therese Walker

(Specialisation: Chemical engineering) (Conferred: 30-Sep-2020)

Development of in vivo pH nanosensors for ultrasound and photoacoustic imaging

Dr. Junyu Zhang

(Specialisation: Civil engineering) (Conferred: 09-Oct-2020)

Identifying urban drainage system adaptation measures through explorative modelling

Dr. Ali Azarnivand

(Specialisation: Civil engineering) (Conferred: 14-Oct-2020)

Modeling hydrological response of intermittent catchments to rainfall variability and afforestation

Dr. Fatemeh Babaeian

(Specialisation: Electrical and electronic engineering and technology- other) (Conferred: 14-Oct-2020)

High Data Capacity Chipless RFID Systems for Emerging Applications

Dr. Sally Hisham Mohamed El Meragawi

(Specialisation: Chemical engineering) (Conferred: 14-Oct-2020)

Design and investigations of graphene oxide-based membranes for water treatment applications

Dr. Minghe Ju

(Specialisation: Geotechnical engineering) (Conferred: 14-Oct-2020)

Rock Dynamic Splitting Influenced by Weak Interfaces: Insights from Crack Propagation

Dr. Grishma Khadka

(Specialisation: Electrical engineering) (Conferred: 14-Oct-2020)

Development of a Chipless RFID System for Internet of Things (IoT) Applications

Dr. Jia Wei Ng

(Specialisation: Mechanical engineering) (Conferred: 14-Oct-2020)

Particle manipulation in microfluidic system using novel surface acoustic wave field

Dr. Yun Xia

(Specialisation: Chemical engineering) (Conferred: 14-Oct-2020)

Interfacial Solar Steam Generation for Efficient and Continuous Desalination

Dr. Tayyaba Younas

(Specialisation: Biomedical engineering) (Conferred: 14-Oct-2020)

Engineering hybrid protein-RNA nanostructures as advanced biomaterials

Dr. Mengmeng Zhou

(Specialisation: Chemical engineering) (Conferred: 14-Oct-2020)

CFD-DEM modelling and analysis of hydraulic conveying

Dr. Yuqi Wang

(Specialisation: Chemical engineering) (Conferred: 28-Oct-2020)

Functionalized Two-Dimensional Materials-based Separation Membranes

Dr. Shi Yuan

(Specialisation: Chemical engineering) (Conferred: 28-Oct-2020)

Improving the selectivity of reduced graphene oxide membranes for water and ions separation

Dr. Guanglei Zhang

(Specialisation: Geotechnical engineering) (Conferred: 28-Oct-2020)

Micro-scale response of coal with respect to CO₂ sequestration in deep coal seams

Dr. Hui He

(Specialisation: Chemical engineering) (Conferred: 11-Nov-2020)

Fabrication of Gold Nanocrystals on Cellulose Nanofibers and Their Applications

Dr. Linghui Peng

(Specialisation: Chemical engineering) (Conferred: 11-Nov-2020)

Design and preparation of controllable thermal management textiles using functional metal oxides

Dr. Yuxi Zhang

(Specialisation: Civil engineering) (Conferred: 11-Nov-2020)

Towards improved crop growth and yield estimation: observation constrained wheat modelling

Dr. Md Joynul Abedin

(Specialisation: Mechanical engineering) (Conferred: 25-Nov-2020)

Structure-Processing-Property Relationships in Graphene Oxide Materials

Dr. A S M Bakibillah

(Specialisation: Transport engineering) (Conferred: 25-Nov-2020)

Intelligent Vehicle Control Strategies for Cooperative Eco-driving on Road Networks

Zecheng Chen

(Specialisation: Civil engineering - other) (Conferred: 25-Nov-2020)

Numerical Modelling Of Tri-Arch Cavern And Support Structures In Soft Rock Mass

Dr. Matthew James Diemer

(Specialisation: Urban design and regional planning) (Conferred: 25-Nov-2020)

Placemaking and Streetscape Design: Exploring the Impacts of Tram Network Modernisation on Subjective Perception of Place Quality

Dr. Michael Julius Hertaeg

(Specialisation: Chemical engineering) (Conferred: 25-Nov-2020)

Interfacial Flows in Drying Blood Droplets and Paper-Based Diagnostics

Dr. Shiv Ashutosh Katiyar

(Specialisation: Mechanical engineering) (Conferred: 25-Nov-2020)

Energetics and Dynamics of a Shape Changing Elastic Robot

Dr. Guilherme Sander Malab

(Specialisation: Materials engineering) (Conferred: 25-Nov-2020)

On the corrosion and additive manufacturing of 316L stainless steel

Yunxiang Yin

(Specialisation: Mechanical engineering) (Conferred: 25-Nov-2020)

Dynamic Analysis of Heavy-Duty Trailers

Dr. Terence Raaj Avadiar

(Specialisation: Aerospace engineering) (Conferred: 09-Dec-2020)

The Wake of a Generic Estate Vehicle

Hassam Ayaz

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Dr. Rodrigo Curvello Dos Santos

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Engineered Nanocellulose Hydrogels For Biomedical Applications

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Additive Manufacturing of Metallic Multi-Material Builds via Directed Energy Deposition

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