

Faculty for the future - Examples of Typical Disciplines Awarded

Last Name	First Name	Country of citizenship	Country of Study	Degree	Research Focus
Abidi	Zakia	Algeria	France	PhD MRI	Development of antennas in magnetic resonance imaging
Abuhafeetha	Maha	Israel	Canada	PhD Environmental Design	Investigating the impact of Indoor Air Quality in elementary schools, because IAQ and ventilation in school buildings can affect the health of the students and their performance
Banafsheh	Zahraie	Iran	Iran	Post-Doc Civil and Environmental Engineering	Water Resources Planning and Management
Bhandarkar	Sumitha	India	USA	PhD Electrical-Computer Engineering	Challenges for TCP in modern computer networks
Bragato	Marcia	Brazil	USA	Post-Doc Metallurgical and Materials Eng.	Study of emissions generated during combustion and pyrolysis of solid residues which contain organic matter, mainly oil derivatives and biomass
Candra Dewi	Ova	Indonesia	Germany	MSc Urban Management	Ecological and sustainable regional planning
Castillo	Charlotte Kendra Gotangco	Philippines	United States	PhD in Earth and Atmospheric Sciences	Determining transient and long-term climate impacts of different deforestation pathways, the socio-economic & climate feedbacks, and policy implications
Cempaka Wangi	Novi Ineke	Indonesia	Netherlands	PhD Electrical Engineering	Wireless Telecommunication Networking [Federation of Ad Hoc Networks]
Chika Ifeyinwa	Eucharía	Nigeria	UK	PhD Electronic and Computer Engineering	Development of a virtual instrumentation workbench for teaching
Cho	So-Hye	South Korea	USA	Post-Doc Inorganic Chemistry	Development of novel heavy-metal labels for structural elucidation of proteins by EM
Colombi	Carina Ester	Argentina	USA	PhD Geology & Paleontology	Interpretation of past environmental, ecological and climate changes by using stratigraphy and plant-fossil taphonomy of sedimentary basins
Damayanti	Alia	Indonesia	Malaysia	Post-doc, transport of particles and fibers in porous media	Sub-surface constructed wetland for removal of organic and heavy metal
D'angelo	Maria Veronica	Argentina	France	PhD Civil Engineering	Design of remedial systems for groundwater contamination
Das	Mahua	India	Netherlands	Post-Doc Photonics	Focus on photonic crystals device fabrication and their investigation through optical spectroscopy and microscopy for application in optical communication

Dewi Dyah	Ekashanti Octorina	Indonesia	Netherlands	PhD Structural Engineering applied to earthquake zones	Development of Image Analysis and Visualization System to Determine the 3D Geometry of the Spine of a Scoliotic Patient
Eidininezhad	Maryam	Iran	USA	PhD Civil engineering	Displacement-Based Design of Structures
El Monier	Elham	Egypt	USA	PhD Space Physics	Water abatement in gaz reservoirs
Enríquez Rivera	Olivia	Mexico	UK	PhD Physics of polymers	Helioseismology to improve knowledges on prediction and conditions of space weather
Ermak	Olga	Russia	Germany	PhD Science Education	Transient model describing the start up and shut down of fuel cells
Figueroa	Maria	Colombia	USA	Dr.-Ing in Environmental Engineering	Developing instruments for assement of scientific skills in order to change the way science and technology are taught
Firdayati	Mayrina	Indonesia	Germany	Post-Doc Physics - fluid dynamics	Developing wastewater treatment system with modification and combination of biological-microbiological reactor and wetland
Fuwape	Ibiyinka	Nigeria	USA	PhD Chemical Engineering	Investigation on spatiotemporal intermittency in coupled ecosystems and other biological systems
Golabchi	Maryam	Iran	USA	PhD Material science	Thermodynamics and kinetics of metal [aluminium]-carbon nanotube composites
Gore	Jane	Zimbabwe	South Africa	PhD Ultrasonic imaging	Seismic investigation in the AfricaArray project
Handayani	Ismudiati Puri	Indonesia	Netherlands	PhD Chemical Engineering & Materials Science	Optically controled spin dynamic in magnetic material research
Handayani	Astri	Indonesia	UK	PhD Physics	Freehand medical ultrasonic technology - providing real-time 3-D object visualization on lower computational cost
Hidayati	Nur	Indonesia	UK	PhD Petroleum Engineering	Fuel cell science - high temperature polymer electrolyte fuel cells using renewable bio-ethanol fuel
Hunky	Rabia	Libya	USA	PhD Physics	Petroleum Engineering and software
Ibeneche	Chieze	Nigeria	USA	PhD Physics	Mechanical Properties of cytoplasm of cells to understand cell division and cell motility
Ijagbemi	Christianah Olakitan	Nigeria	South Korea	PhD Pharmacology	Microwave in situ treatment of volatile organic pollutants in soil
Ismail	Hilda	Indonesia	Netherlands	PhD Biomedical Engineering	Enzymatic resolution of chiral amines
Joseph	Laveeta	India	USA	PhD Biomedical Engineering	Investigating reversible conduction block induced by high frequency AC stimulation
Korber Goncalves	Cecilia	Brazil	USA	PostDoc Geophysics	Research on minimizing health-hazardous emissions - combustion of alternative fuels

Linzer	Lindsay	South Africa	South Africa	PhD Physics	Research on mining-induced seismicity
Macabebe	Erees Queen	Philippines	South Africa	PhD Bioengineering	Investigation of device and material parameters of thin film solar cells and photovoltaic modules
Madhavan	Radhika	India	USA	PhD Computer Science [AI]	Investigation on rules governing long-term learning in complex networks of neurons
Mairiza	Dewi	Indonesia	Portugal	PhD Medical Physics	Software Engineering Methodology
Makam Kom	Olive Modestine	Cameroon	Germany	PhD Electrical Engineering	Development of a protocol of quality control of the treatment planning system
Maulidevi	Nur Ulfa	Indonesia	Indonesia	MSc Electrical Engineering	Development of Cognitive System Engineering Model
Megawati		Indonesia	Denmark	MSc Manufacturing Engineering and Management	Research on groundwater flow and petrophysical analysis by using back-propagation network
Mensah	Lena Dzifa	Ghana	UK	PhD Mechatronics	Using FMEA to investigate risks during new product introduction
Mohammed Khair	Elham	Sudan	China	PhD Electronics and MRI	Development of methods to control sand production in oilfields
Mokeddem	Zohra	Algeria	France	PhD Mechanical Engineering	Regional climate change using specific lake environments as indicators
Moussaoui	Aicha	Algeria	France	PhD Ionospheric physics	Medical image processing
Muñoz de Escalona	Patricia	Venezuela	UK	MSc Medical physics	Tool wear and work piece surface roughness after a milling process
Muradyan	Paytsar	Armenia	USA	PhD Environmental Science	Relationship between deep convection and gravity waves in the middle atmosphere and ionosphere
Nakatudde	Rebecca	Uganda	South Africa	PhD Physics	Mammography (radiation safety)
Nihinlola Dupe	Saka	Nigeria	UK	PhD Chemistry	Modelling flooding in Niger Delta in particular due to compaction of oil and gas bearing formations depleted by extraction.
Nudnova	Maryia	Republic of Belarus	USA	PhD Petroleum Engineering	3D numerical and experimental investigations of the pulsed discharge for ultra-fast plasma control
Nunes	Janine	Trinidad & Tobago	USA	PhD Biochemistry	Investigation on the Particle Replication in Non-wetting Templates method
Nwanko Brown	Princess	Nigeria	USA	Post-Doc, Interdisciplinary Chemical Sciences. Physical Chemistry, Biosensors, Electroanalysis.	Condensate reservoir Studies

Olajuyibe Folasade	Mayowa	Nigeria	Italy	PhD Petroleum Engineering	Biocrystallographic and kinetic studies of drug resistant mutants of HIV protease - relevant especially to HIV related cancers
Pedano	María Laura	Argentina	USA	PhD Offshore Engineering	Development of new DNA-based hybridization biosensors focused on the early detection of cancerous or inherited endemic diseases
Qi	Ran	China	UK	Post-Doc Civil and Environmental Engineering	Simulation of geological CO2 storage
Raji	Hauwa Onize	Nigeria	UK	PhD Mechanical Engineering	Strength and fatigue analysis of deep water offshore platforms especially FPSOs
Ray	Sujata	India	USA	PhD Mechantronics	Investigation on water constraints in developing biomass as a source of renewable energy
Ribeiro Cardoso	Camila	Brazil	USA	PhD Mechatronics	Heat transfer and fluid flow in nanofluids
Rocha Gaso	Maria Isabel	Mexico	Spain	Post-doc Polymer Chemistry	Voice recognition control system for prosthetic hand prototypes
Rodriguez Vallarte	Maria Del Carmen	Mexico	Mexico	Post-Doc Mathematics	Determination of existence of invariant geometric (super)structures in certain classes of solvable Lie (super)algebras and development of the algebraic and geometric approach of this unsolved problem.
Sánchez Chávez	Irma Yolanda	Mexico	USA	Post-Doc, Petroleum Engineering	Development of microsensors and microactuators for closed loop diabetes treatment systems
Semenova	Anna	Russia	UK	PhD Aerospace Engineering	Reservoir modeling for gas hydrates and heavy oil deposits
Sharifi Khobdeh	Shirin	Iran	USA	PhD Chemical engineering	Confined dynamics of complex two-phase systems containing surfactants and/or viscoelastic fluids. Applications to EOR.
Si	Xiuhua	China	USA	Ph.D Computational biology / Bioengineering	Investigation on the dynamic behavior of single crystal actuators
Soto	Carolina	Colombia	USA	PhD Optoelectronics	Non-linear filters for insertion of computational intelligence into application specific software and hardware devices
Subbenaik	Sanmathi Chava	India	France	PhD Chemical Engineering	Ceramic dense nano-powders of thermoelectric oxides: synthesis, processing and their properties
Swathi	Adindla	India	USA	PhD Biopolymer Networks	Design of novel efficient enzymes derived from phenylalanine dehydrogenase to obtain enantio-pure natural and non-natural amino acids

Varon	Margarita	Colombia	France	PhD Computational Condensed Matter Physics	Hyperfrequency signal generation by optical means and optoelectronic oscillators. Development of new architectures for the generation of microwave signals by optical means
Wu	Pinyu	China	USA	PhD Mechanical Engineering	Using physical methods to study biological systems, including macromolecules, membranes, nerves and muscles etc.
Yu	Min	China	USA	Ph D Computational Condensed Matter Physics	Studying the optical properties of quantum dots using Density Functional theory(DFT). Development of energy density method plus studying a new method to estimate the growth of nanoclusters in experiment.
Zakeri	Mahnaz	Iran	Italy	PhD Mechanical Engineering	Fracture Mechanics. Stress analysis of cracks under mode II and mixed mode I-II loading conditions using the method of photoelasticity