Name	Faculty	Position	Research program title	Research interests	Webpage address
Aamoushahi Hossein	Civil Engineering and Transportation	Assistant Professor	Numerical studies in structural engineering	۱- Numerical methods in civil engineering ۲- High performance computing ۳- Mechanics of materials، nano mechanics، modern materials and systems in structures	https://engold.ui.ac.ir/~h.amoushahi/
Aboutalebi Esfahan Mohsen	Civil Engineering and Transportation	Assistant Professor	Improving the performance of road and railway pavement layers and paying attention to sustainable development issues	۱- Improving the performance of asphalt pavements ۲- Improving the performance of concrete pavements ۳.Road maintenance management and use of recycled materials	http://eng.ui.ac.ir/~m.aboutalebi.e
Alijanian Mohammadali	Civil Engineering and Transportation	Assistant Professor	Consideration of Hydrologic Extreme Events (Flood and Drought) and Their Risk Assessments	۱- Consideration of Hydrologic Extreme Events (Flood and Drought) and Their Risk Assessments ۲- Conjunctive Management of Surface Water and Groundwater Resources (Quality and Quantity)	https://engold.ui.ac.ir/~m.alijanian/
Amiri Simkooei Alireza	Civil Engineering and Transportation	Professor	Advanced mathematical، statistical and optimization theories in the filed of mathematical geodesy: applications to geosciences	۱- Applications to space geodesy including GNSS , GRACE and InSAR ۲- Applications to remote sensing including SAR and hyper-spectral images ۳- Applications to engineering geodesy including positioning and deformation monitoring	http://eng.ui.ac.ir/~amiri
Asgari Jamal	Civil Engineering and Transportation		Accuracy improvement of GNSS، INS and gravity field missions data and developing the related applications	۱- Satellite positioning (satellite geodesy، timing، network-RTK، Precise Point Positioning (PPP)، GNSS remote sensing and GNSS meteorology) ۲- Inertial navigation and GNSS/ INS integration ۳- Satellite gravimetry	https://engold.ui.ac.ir/~asgari/
Ataei Abdolreza	Civil Engineering and Transportation	Assistant Professor	New methods for seismic evaluation of structures and their applications	۱- New materials and structures ۲- Structural health monitoring ۳- Eco-friendly composite structures	https://engold.ui.ac.ir/~a.ataei/

Name	Department	Rank	Research Title	Research Interests	Website
Bagheri Hossein	Civil Engineering and Transportation	Assistant Professor	Use of deep / machine learning and computer vision in spatial data processing and applications of photogrammetry and remote sensing	۱- Using deep learning and machine learning to process various spatial data such as satellite, aerial, close-range images, point clouds, text data with geospatial tags, etc., to extract and recognize patterns. ۲- Using photogrammetry and remote sensing in various applications such as land use/land cover classification, environmental pollution monitoring and climate change ۳- ۳D reconstruction and modeling from images and point clouds	http://cet.ui.ac.ir/~h.bagheri
Daei Maryam	Civil Engineering and Transportation	Assistant Professor	New methods for seismic evaluation of structures and their applications	۱- New materials and structures ۲- Structural health monitoring ۳- Eco-friendly composite structures	https://engold.ui.ac.ir/~m.daei/
Dehnavi Ali	Civil Engineering and Transportation	Assistant Professor	Environmental monitoring , management and engineering (preferably water, sewage and solid waste)	۱-Water resources management and monitoring (Quality) ۲-Solid waste management ۳-Water and wastewater treatment and optimization	https://engold.ui.ac.ir/~a.dehnavi/
Esfahanian Mahmoud Hashemi	Civil Engineering and Transportation	Associate Professor	Geotechnics Material Behavior	۱-Stability analysis & stabilization of geotechnical structures (slope, tunnel, foundation) ۲-Characteristics identification ۳- modelling & material improvement (traditional, masonry.concrete	https://engold.ui.ac.ir/~m.hashemi/
Esmaeil Mohammad hassan	Civil Engineering and Transportation	Assistant Professor	Experimental analysis of railway track and structures	۱-Assess sound andvibration in railway ۲-health monitoring andmaintenance of railways ۳-train and track interaction	http://eng.ui.ac.ir/~m.h.esmaeili
Goli Ahmad	Civil Engineering and Transportation	Assistant Professor	Road pavement and geometric design	۱-Road pavement and geometric design, effect of traffic and geometric in the road. ۲- pavement management system ۳-Use of new material in sustainable asphalt and concrete pavement	http://trn.ui.ac.ir/~a.goli
Haftbaradaran Hamed	Civil Engineering and Transportation	Assistant Professor	Numerical studies in structural engineering	۱- Numerical methods in civil engineering ۲- High performance computing ۳- Mechanics of materials, nano mechanics, modern materials and systems in structures	https://engold.ui.ac.ir/~h.haftbaradaran/

Name	Department	Rank	Research Area	Research Interests	Website
Hamedani pegah	Civil Engineering and Transportation	Assistant Professor	Power Supplies and Control of Electrical Drives	۱- Power electronic converters & electrical motor drives ۲- Railway electrification، analysis of power supplies for electrical trains، and signaling systems of railway ۳- Electrical traction systems، management of electrical energy and renewable energy resources	http://eng.ui.ac.ir/~p.hamedani
Jamshidi Shervin	Civil Engineering and Transportation	Assistant Professor	Environmental Engineering and Management	۱- Water quality modeling، management and waste load allocation (WLA) ۲- Environmental system analysis and sustainability assessment by innovative indicators ۳- Upgrading wastewater and sludge treatment units/technologies for reuse and recycling	https://engold.ui.ac.ir/~sh.jamshidi/
Khosravi Iman	Civil Engineering and Tra	Assistant Professor	Application of remote sensing in the field of management and monitoring of environmental resources/hazards	۱- Investigating and developing the capabilities of satellite images and machine learning algorithms in the field of agriculture (crop mapping (crop type)، yield estimation (crop weight)، …) ۲- Investigating and studying the applications of remote sensing satellite images in water resources management (quantitative and qualitative water monitoring and modeling، wetlands mapping، …) ۳- Investigating and developing the remote sensing indicators in environmental hazards management (drought، flood، earthquake، forest and pasture fire، …)	https://cetold.ui.ac.ir/~i.khosravi/index.html
Maleki Jamshid	Civil Engineering and Transportation	Assistant professor	Development of spatial group decision-making methods، machine learning and computational intelligence	۱- Research and development in spatial group decision-making methods، ۲-Research and development in machine learning methods and its application in geospatial science، ۳-Research and development in optimization methods and computational intelligence for spatial applications،	https://cetold.ui.ac.ir/~j.maleki/
Mashayekhi Meysam	Civil Engineering and Transportation	Assistant Professor	Evaluation of geotechncal structures and geomaterials	۱- Application of numerical methods in evaluation of geotechnical structures and geomaterials ۲-Application، development and improvement of numerical methods in geotechnical problems ۳-Development، implementation and improvement of constitutive modeling in geotechnics	http://cet.ui.ac.ir/~m.mashayekhi

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Name	Department	Position	Research Title	Research Interests	Website
Mehrabi Hamid	Civil Engineering and Transportation	Assistant professor	Monitoring and analysis of Earth's crust due to natural hazards (earthquakes، landslides، subsidence، volcanoes، etc.) by numerical methods through classical and modern geodetic observations (GNSS، InSAR، etc)	۱-InSAR and GNSS time series analysis ۲-Crustal deformation analysis through InSAR and GNSS ۳-Inverse problems solution and modeling the changes in the earth's crust (faults، volcanoes، subsidence، etc.)	http://eng.ui.ac.ir/~h.mehrabi
Moeini Ramtin	Civil Engineering and Transportation	Associate Professor	Development of new and meta heuristic methods for solving problems in the field of water engineering (studied areas: planning and management of water resources، water and sewage networks)	۱-Water resources planning and management ۲-Optimization in engineering ۳-Water and sewage networks	https://engold.ui.ac.ir/~r.moeini/
Moghaddam AhmadrazaJafarian	Civil Engineering and Transportation	Assistant Professor	Development and Design of Railway Intelligent Transportation System	۱- Mathematicalmodeling of rail operations ۲-Big data and data-mining techniques ۳-Marketanalysis in rail transport in economic and technical terms (passenger and freight trains)	http://trn.ui.ac.ir/~ar.jafarian
Mohammad hejazi Seyed Amir Mehrdad	Civil Engineering and Transportation	Associate Professor	Study and Analysis of Traditional Structures (with the Approach of Applying New Techniques، Sciences and Materials)	۱- Structural health monitoring of traditional structures ۲- Scaled laboratory methods for traditional structures and materials ۳-Application of new techniques، sciences and materials in restoration and strengthening of traditional structures and materials	https://engold.ui.ac.ir/~m.hejazi/
Momeni Mehdi	Civil Engineering and Transportation	Associate Professor	Remote Sensing Engineering for urban mapping and estimation of local environmental parameters	۱- Improvement of cartographic features extraction for urban area mapping using object-based image processing ۲- Upgrading estimation of local environmental parameters in remote sensing (Upgrading soil moisture estimation methods in thermal IR remote sensing and Establishing a local aerosol model and development of its extracted parameters especially aerosol dynamics)	https://engold.ui.ac.ir/~momeni/

Name	Department	Rank	Research Interests	Details	Website
Moradizadeh Mina	Civil Engineering and Transportation	Assistant professor	Development of satellite remote sensing data application in environmental studies, forecasting and dealing with natural disasters by providing solutions to improve their accuracy and resolution	۱-Using machine learning methods and pattern recognition in more accurate retrieval of soil surface and atmospheric parameters, forecasting and dealing with natural disasters ۲- Integration of optical and microwave remote sensing data in order to achieve the objectives ۳-Objects Extraction from satellite images by image processing	http://eng.ui.ac.ir/~m.moradizadeh
Mossaiby Barzi Farshid	Civil Engineering and Transportation	Associate Professor	Numerical studies in structural engineering	۱- Numerical methods in civil engineering ۲- High performance computing ۳- Mechanics of materials, nano mechanics, modern materials and systems in structures	https://engold.ui.ac.ir/~mossaiby/
Motieyan najar Mohammad Emad	Civil Engineering and Transportation	Assistant Professor	Railway Engineering – Infrastructure, tracks and structures	۱- Super/Sub structures of Ballasted railway lines ۲- Ballast-less and modern railway tracks and high speed line ۳- Railway monitoring, maintenance and management	http://eng.ui.ac.ir/~m.motieyan
Nasrabadi Sayyed Bagher Fatemi	Civil Engineering and Transportation	Assistant professor	Improving the accuracy of extracted information from remote sensing data to develop remote sensing applications in earth sciences, environmental hazards and mapping	۱- Comparison and fusion of different data, tools and methods in order to evaluate and improve the accuracy of information extraction methods from remote sensing data ۲- The use of specific data and intelligent methods in improving the accuracy of extracting the information from remote sensing data ۳- Assessment of accuracy evaluation methods for remote sensing data analysis and processing	https://engold.ui.ac.ir/~sb.fatemi/
Norouzi Hamed	Civil Engineering and Transportation	Assistant Professor	Dynamical investigations of mechanical parts in railway tracks and rolling stock	۱- Dynamics and vibrations, dynamics and vibrations, acoustics specially in the rolling stock area is one of the important concerns in the engineering. ۲- Acoustics related to high-speed trains are very important because they are related to travel comfort and sometimes travel safety. ۳-Investigation of energy consumption related to rail machinery and some optimization according to the volume of freight and passengers.	http://eng.ui.ac.ir/~h.norouzi

Rahgozar Mohammadali	Civil Engineering and Transportation	Assistant Professor	Evaluation of ground vibrations and reduction of their effects on structures	۱- Soil dynamics and dynamic soil-structure interaction ۲-Modern structural systems resistant to dynamic loads	https://engold.ui.ac.ir/~rahgozar/
Sattari Mehran	Civil Engineering and Transportation	Assistant professor	Research and development of the algorithms to positioning, identification, detection, extraction and modeling of objects and phenomena based on images and Lidar data	۱- Research and development the algorithms to analysis satellite, aerial and terrestrial Lidar data ۲- Research and development of ۳D measuring systems based on close-range photogrammetry and machine vision ۳- Research and development of the vision , Lidar and magnetic based navigation systems	http://eng.ui.ac.ir/~sattari
Shanesazzadeh Ahmad	Civil Engineering and Transportation	Assistant Professor	Marine Hydrulics and watershed erosion estimate	۱-Pollution Dispersion in Coastal water ۲-Watershed erosion estimate ۳- Zayanderood water allocation management	https://engold.ui.ac.ir/~a.shanehsazzadeh/
Shiran Gholamreza	Civil Engineering and Transportation	Assistant Professor	Development of concept and models of Environmental Capacity incorporating Complete Street concept.	۱-To include the concept of Complete street and all kinds of tra ort modes. ۲- To include the concept of Integrated Tra ort at railway stations. ۳- To develop the concept of transport & Development with those of sustainable indices for the two abovementioned topics	http://trn.ui.ac.ir/~gh.shiran
Tajmir riahi Hossein	Civil Engineering and Transportation	Associate Professor	New methods for seismic evaluation of structures and their applications	۱- New materials and structures ۲- Structural health monitoring ۳- Eco-friendly composite structures	https://engold.ui.ac.ir/~tajmir/
Tashayo Behnam	Civil Engineering and Transportation	Assistant professor	Development of methods and theories required for spatial data analysis in order to enhance the effectiveness of spatial information science in environmental impact assessment	۱-Spatial Data Analysis: Combining GIS and Data Science to Develop Efficient Methods for Enriching and Processing Spatial Data ۲-Spatial Process Simulation: Using Machine Learning to Model the Variable and Uncertain Environment of Spatial Phenomena ۳-Environmental Impact Assessment: Spatial planning, including policies, plans, and programs at the urban and regional scales, affects environmental parameters such as water, soil, and air. Assessing the impact requires effective modeling of these effects.	http://eng.ui.ac.ir/~b.tashayo

Yazdian Hamed	Civil Engineering and Transportation	Assistant Professor	Economic, social, institutional and environmental studies in water and wastewater management	۱-Economic, social, institutional and environmental studies in water and wastewater management ۲-Using the concept of water, food, energy nexus in water resources management ۳- Water Governance	https://engold.ui.ac.ir/~h.yazdian/
Zandi SeyedMahdi	Civil Engineering and Transportation	Assistant Professor	Numerical studies in structural engineering	۱- Numerical methods in civil engineering ۲- High performance computing ۳- Mechanics of materials, nano mechanics, modern materials and systems in structures	https://engold.ui.ac.ir/~s.m.zandi/
Zeynalian Dastjerdi Mehran	Civil Engineering and Transportation	Associate Professor	New methods for seismic evaluation of structures and their applications	۱- New materials and structures ۲- Structural health monitoring ۳- Eco-friendly composite structures	https://engold.ui.ac.ir/~m.zeynalian/