

Name	Faculty	position	Research program title	Research interests	Webpage address
Adibi, Peyman	Computer Engineering	Assistant Professor	Intelligent Learning Systems	<ul style="list-style-type: none"> ۱- Machine learning with emphasis on multimodal, geometric, and deep approaches, and insufficient data ۲- Intelligent accessible systems for people with disabilities and digital health ۳- Statistical machine learning, pattern recognition, and computational intelligence 	https://engold.ui.ac.ir/~adibi/
Ashouri, Maede	Computer Engineering	Assistant Prof.	security and access control in Internet of Things and Cloud Computing	<ul style="list-style-type: none"> ۱- Secure access control mechanisms to the outsource data in cloud computing ۲- Security protocols in the context of IoT and cloud computing ۳- Security and privacy using deep learning and machine learning mechanisms 	http://eng.ui.ac.ir/~m.ashouri
Baradaran-Kashani, Hamid Reza	Computer Engineering	Assistant Professor	Processing of Natural Language (Speech and Text) Using Deep Learning Approaches	<ul style="list-style-type: none"> ۱- Speaker Verification/Voice Conversion Using Deep Learning and Metric Learning ۲- Speech Emotion Recognition Using Graph neural Networks ۳- Text Summarization/Sentiment Analysis Using Deep Learning and Graph Neural Networks 	https://engold.ui.ac.ir/~hrb.kashani/
Beiki, Zohre	Computer Engineering	Asistant Professor	hardware/software co-design, DNA computing, Bio computing	<ul style="list-style-type: none"> ۱- hardware/software co-design ۲- Nano technology ۳- Bio computing 	http://eng.ui.ac.ir/~z.beiki
Bohlooli, Ali	Computer Engineering	Associate Professor	Cyber-Physical Systems	<ul style="list-style-type: none"> ۱- Cyber-Physical Systems ۲- Internet of Things ۳- Digital Twins 	http://eng.ui.ac.ir/~bohlooli
Etemad Borujeni, Shahram	Computer Engineering	Assistant Professor	Securing Computer Systems and Networks	<ul style="list-style-type: none"> ۱- Hardware Security ۲- Quantum Computers ۳- Femtocell Networks 	http://eng.ui.ac.ir/~etemadi
Fatemi, Afsaneh	Computer Engineering	Assistant Professor	Big Data	<ul style="list-style-type: none"> ۱- Addressing the Challenges of Question Answering Systems ۲- Addressing the Challenges of Dialogue Systems ۳- Addressing the Challenges of Complex Networks (i.e. Social Networks) 	https://engold.ui.ac.ir/~a_fatemi/
Jmashidi, Kamal	Computer Engineering	Associate Professor	Cyber-Physical Systems	<ul style="list-style-type: none"> ۱- Cyber-Physical Systems ۲- Internet of Things ۳- Digital Twins 	http://eng.ui.ac.ir/~jamshidi
Kaedi, Marjan	Computer Engineering	Associate Professor	Cognitive E-commerce and user modeling	<ul style="list-style-type: none"> ۱- User modeling in electronic commerce and social networks. ۲- Recommender systems. ۳- Artificial intelligence in software systems and e-commerce. 	https://engold.ui.ac.ir/~kaedi/
Karshenas, Hossein	Computer Engineering	Assistant Professor	Intelligent Learning Systems	<ul style="list-style-type: none"> ۱- New Methods for Data Analytics and Modeling ۲- Development of Computational Intelligence Algorithms ۳- Digital Health 	https://engold.ui.ac.ir/~h.karshenas/
Khayyambashi, Mohammad Reza	Computer Engineering	Associate Professor	4G/ 5G Mobile Communications Technologies, Improving Quality of Service (QoS) by Edge, Fog and Mobile Cloud Computing in Internet of Things (IoT).	<ul style="list-style-type: none"> ۱- Software Defined Networks (SDN), ۲- Improving Quality of Service (QoS) by Edge, Fog and Mobile Cloud Computing, ۳- Internet of Things (IoT). 	http://eng.ui.ac.ir/~m.r.khayyambashi

Kolahdooz Rahimi, Shekoufe	Computer Engineering	Assistant Professor	Model Driven Engineering	<ul style="list-style-type: none"> ۱-Deep Learning in Model Driven Engineering ۲-Test in Model Driven Engineering ۳-Model Transformation in Model Driven Engineering 	https://shekoufehrahimi.com/
Mahdavi, Mojtaba	Computer Engineering	Assistant Professor	Block Chain	<ul style="list-style-type: none"> ۱-Crypto Currencies ۲- Consensus Protocols ۳- Block Chain 	https://eng.ui.ac.ir/m.mahdavi
Mahvash, Hossein	Computer Engineering	Assistant Professor	Patient diagnosis and rehabilitation systems based on artificial intelligence algorithms and IoT	<ul style="list-style-type: none"> ۱- Diagnosis and rehabilitation systems based on machine vision and machine learning ۲- Rehabilitation systems for blind people based on machine vision ۳- Visual positioning systems 	https://engold.ui.ac.ir/~h.mahvash/
Mala, Hamid	Computer Engineering	Associate Professor	Cryptographic Protocols	<ul style="list-style-type: none"> ۱-Internet of Things Security ۲-Secure outsourcing of Computation and Storage ۳-Secure MultiParty Computation 	https://engold.ui.ac.ir/~h.mala/
Moghim, Neda	Computer Engineering	Assistant Prof.	۵/۶ Mobile communications and Beyond	<ul style="list-style-type: none"> ۱-۵G and Beyond Mobile Communications Technologies ۲-Internet of Things ۳-Wireless Networks 	http://eng.ui.ac.ir/~n.moghim
Mohammadi, Azade	Computer Engineering	Assistant Professor	Using artificial intelligence in ecommerce	<ul style="list-style-type: none"> ۱-Social Network Analysis and its Application in Ecommerce ۲-Application of Artificial Intelligence in Ecommerce ۳-Data mining and Business Intelligence 	http://eng.ui.ac.ir/~az.mohammadi
Montazerolghaem, Ahmadreza	Computer Engineering	Assistant Professor	۵/۶G Mobile Communication Technologies (Network softwarization, Software-defined Networking, Network Function Virtualization, Internet of Things, Network optimization)	<ul style="list-style-type: none"> ۱- Software-defined Networking ۲- Network Function Virtualization ۳- IoT and ۵/۶G Mobile Communication Technologies 	http://fce.ui.ac.ir/~a.montazerolghaem
Movahedinia, Naser	Computer Engineering	Professor	۵G/۶G Mobile communications technologies	<ul style="list-style-type: none"> ۱-Radio Resource Management ۲-Intelligence in Communication Networks ۳-Internet of Things 	http://eng.ui.ac.ir/~naserm
Naghsh-Nilchi, Ahmad Reza	Computer Engineering	Professor	Research, design and optimization of artificial intelligence and learning systems which are based on signals, images and videos, and natural language processes	<ul style="list-style-type: none"> ۱- Digital Image, Video, and Speech Processing ۲- Medical Signal and Image Processing ۳- Deep Learning 	https://engold.ui.ac.ir/~nilchi/
Nassiri Mofakham Faria -	Computer Engineering	Assistant Professor	Intelligent & Computational Electronic Commerce (mechanism design and user modeling in smart markets) for Society ۵.۰, environment, and Industry ۴.۰	<ul style="list-style-type: none"> ۱- Mechanism design and user modeling in complex auctions, automated negotiations, electronic marketing, and recommender systems ۲- Ethics and arts in artificial intelligence and electronic commerce ۳- Society ۵.۰, Industry ۴.۰, and environment 	http://eng.ui.ac.ir/~fnasiri
Nematbakhsh, Mohammadali	Computer Engineering	Professor	Big Data	<ul style="list-style-type: none"> ۱- Addressing the Challenges of Question Answering Systems ۲- Addressing the Challenges of Dialogue Systems ۳- Addressing the Challenges of Complex Networks(i.e. Social Networks) 	https://engold.ui.ac.ir/~nematbakhsh/
Nikmehr, Mehran	Computer Engineering	Asistant Professor	Energy/Power Efficient Computing System Design	<ul style="list-style-type: none"> ۱-Digital Hardware for Approximation ۲-Energy Power Efficient Digital Design ۳-Digital Arithmetic 	http://eng.ui.ac.ir/~nikmehr
Noorbehbahani, Fakhroddin	Computer Engineering	Assistant Professor	Intelligent and Cognitive E-commerce	<ul style="list-style-type: none"> ۱-Electronic CRM and Marketing ۲- Human-computer interaction ۳-Machine learning and Data mining 	http://eng.ui.ac.ir/~noorbehbahani

Remezani, Reza	Computer Engineering	Assistant Professor	Security Modeling and Analysis	<ul style="list-style-type: none"> ۱-Data Analysis in different platforms (cloud, grid, edge, big data) ۲-Analyzing different types of data (text, image, graph (social network)) ۳-Real-time, reconfigurable, and fault-tolerant computing 	https://engold.ui.ac.ir/~r.ramezani/
Reshadinejad, Mohammadreza	Computer Engineering	Associate Professor	Design of Arithmetic Circuits Applying Nanotechnology	<ul style="list-style-type: none"> ۱-Designing exact and approximate computational arithmetic ۲-Designing digital arithmetic applying nano-technology ۳-Quantum computing 	http://eng.ui.ac.ir/~m.reshadinezhad
Rezaei, Mehran	Computer Engineering	Assistant Professor	Computer Systems Architecture	<ul style="list-style-type: none"> ۱- Domain Specific Architecture ۲- Memory Systems ۳- Approximate Computing 	https://eng.ui.ac.ir/~m.rezaei
Shahgholi Ghahfarokhi, Behrouz	Computer Engineering	Associate Professor	4G/5G Cellular communication technology	<ul style="list-style-type: none"> ۱- Resource management in 4G/5G cellular networks ۲- Using recent communication networks for IoT applications ۳- Security in 4G/5G cellular communications and IoT applications 	https://engold.ui.ac.ir/~shahgholi/
Tork Ladani, Behrouz	Computer Engineering	Professor	Security Modeling and Analysis	<ul style="list-style-type: none"> ۱. Addressing the Challenges of Modeling, Analysis, Detection, and Fixing Software Security Vulnerabilities ۲. Addressing the Challenges of Modeling, Analysis, Detection, and Defeating Malwares ۳. Addressing the Challenges of Modeling, Analysis, and Evaluation of different aspects of Soft Threats and Soft Security in Social Networks (Including Trust, Social Capital, Rumor Control, Public Opinion Formation, etc.) 	https://engold.ui.ac.ir/~ladani/
Zamani, Bahman	Computer Engineering	Associate Professor	Model Driven Software Engineering	<ul style="list-style-type: none"> ۱-Addressing the Challenges of Model-Driven Engineering Technology by Developing ۲-Appropriate Tools and Approaches ۳-Utilizing Model-Driven Engineering Technology for Analysis, Design, and Development of Mobile Applications 	https://engold.ui.ac.ir/~zamani/
Zamanifar, Kamran	Computer Engineering	Associate Professor	Parallel, distributed, cloud, fog, edge, pervasive (Internet of Things) Computing	<ul style="list-style-type: none"> ۱-Parallel, distributed, cloud, fog, edge and pervasive Computing) Big Data ۲-Internet of Things(Augmented Reality, Virtual reality, Embedded Systems ۳- Context-Awareness Dynamic Systems Using Computational Intelligence 	https://engold.ui.ac.ir/~zamanifar/
Zojaji, Zahra	Computer Engineering	Assistant Professor	Data Analysis and Modeling (Application of Data Analysis in Social Networks and Question Answering Systems, Big Data Analysis, Development of Machine Learning based Models)	<ul style="list-style-type: none"> ۱- Data Modeling and Analysis ۲-Question Answering Systems ۳-Social Media Mining 	https://engold.ui.ac.ir/~z.zojaji/