



## Karim Shelesh-Nezhad

Professor

College: Mechanical Engineering

Education			
Degree	Graduated in	Major	University
BSc	1989	Mechanical and Manufacturing Engineering	Tehran Amirkabir University, Tehran, Iran
MSc	1994	Mechanical and Manufacturing Engineering	Wollongong University, Australia
Ph.D	1998	Mechanical and Manufacturing Engineering	QUT, Australia

### Executions And Scientific Activities

- Composites and nanocomposites: processing, testing, modeling and failure analysis
- Optimization of polymer blends and composites formulations for engineering applications and additive manufacturing
- Mechanical properties of polymer composite laminates and fiber metal laminates (FML)
- Fracture, wear and dynamic-mechanical-thermal analysis (DMTA)
- Interface characterization in polymer composites and bonded joints
- Electro-physical and electro-chemical surface modifications
- Laser engraving and Laser-induced graphene (LIG)

### Papers in Conferences

1. K. Shelesh & Nezhad, A.R. Akbarzadeh. Manufacture of piezo-resistive sensor based on laser-induced graphene on Polyimide film .The 6th Iranian international conference on microelectronics (IICM ۲۰۲۴), University of Tabriz, Iran. ۲۹-۳۱ Oct. ۲۰۲۴.

### Papers in Journals

1. K. Shelesh, & Nezhad, A. Abedinzadeh, T.N. Chakherlou, The effect of laser-texturing configurations on the interfacial resistance of carbon reinforced aluminum laminate, Composite Interfaces. 2023, VOL. 30, NO. 1, 103-122, 2023.