

General Workshop Information

Workshop Title: AI in Biomedical Engineering: From Clinical Data Intelligence to Structural and Biological Innovation

Workshop Type: Specialized Workshop of ICBME 2026

Organizer: The 33rd National Conference and the 11th International Conference on Biomedical Engineering

Instructor: Dr. Golnaz Baghdadi, Faculty Member at Amirkabir University of Technology

Date: November 17, 2026

Duration: 2 hours

Format: Online

Venue: Isfahan University of Technology

Workshop Overview

This workshop explores the role and applications of Artificial Intelligence (AI) in biomedical engineering. Participants will become familiar with the use of AI for clinical data analysis and interpretation, the development of intelligent medical technologies, and emerging innovations in structural and biological applications.

Topics and Course Outline

- Introduction to the fundamentals of Artificial Intelligence and its applications in biomedical engineering
- Exploring the role of AI in clinical data analysis and clinical data intelligence
- Applications of machine learning and deep learning to medical data
- AI applications in structural innovation and biomedical engineering design
- Applications of AI in biological systems and processes
- Overview of emerging AI applications in biomedical engineering
- Challenges, limitations, and future perspectives of AI in biomedical engineering

Registration Fee

General: 5,000,000 R

Conference Participant: 3,000,000 R