

General Workshop Information

Workshop Title: Extended Reality in Medicine: New Opportunities in Treatment and Education

Workshop Type: Specialized Workshop of ICBME 2026

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

Instructor: Dr. Javad Rasti, Faculty Member at the University of Isfahan

Date: November 17, 2026

Duration: 2 hours

Format: Online

Venue: Isfahan University of Technology

Workshop Overview

This workshop aims to introduce participants to Extended Reality (XR) technologies and explore their emerging applications in medicine. The workshop will highlight the opportunities and potential of virtual reality, augmented reality, and mixed reality in medical treatment, education, rehabilitation, and other biomedical applications.

Topics and Course Outline

- Introduction to the concepts and technologies of Extended Reality (XR)
- Overview of Virtual Reality (VR), Augmented Reality (AR), and Mixed Reality (MR)
- Applications of Extended Reality in medicine and healthcare
- Applications of XR technologies in treatment and rehabilitation
- Role of Extended Reality in medical education and simulation
- Emerging opportunities and future trends in XR-based medicine
- Challenges and practical considerations in applying Extended Reality technologies in healthcare

Registration Fee

General: 5,000,000 R

Conference Participant: 3,000,000 R