



Specialized Panel Discussion Title:

Automation Industry: Status, Applications, and Challenges

Wednesday, November 6, 2024
10:45 – 12:15

Introduction:

The automation industry, as a cornerstone of industrial transformation, plays a crucial role in advancing and enhancing industrial technologies. Initially limited in scope, this field now encompasses a wide range of applications—from manufacturing and urban infrastructure to healthcare, agriculture, and economics. With the expansion of digital advancements, automation systems face new demands and opportunities, necessitating reassessment and strategic planning for future growth. Additionally, understanding Iran's potential and successful experiences in this sector, while addressing existing challenges, can pave the way for sustainable industry growth. This panel offers an opportunity for industry and academic experts to come together to explore the status, capabilities, limitations, and development opportunities within the automation industry.

Panel Discussion Questions:

1. What is the role of the automation industry in the development of nations?
2. How extensive are the applications of the automation industry?
3. What are Iran's capacities and successful experiences in automation and system monitoring?
4. What role do digital transformation and AI play in this field within Iran?
5. What challenges does the automation industry face in Iran?
6. How can universities enhance their support for this industry?

Panel Members:

- ❖ Dr. Alireza Faraji (University of Kashan)
- ❖ Dr. Mohammad Hossein Rafan (CEO, MECO Engineering Company, part of Mapna Group)
- ❖ Dr. Mehdi Hasanzadeh (Deputy of the Oil Industry Research and Technology Fund)
- ❖ Mr. Mohammad Hasan Mohebbadi (Iranian Association of Control and Instrumentation Engineers)

Panel Chair:
Dr. Alireza Faraji

