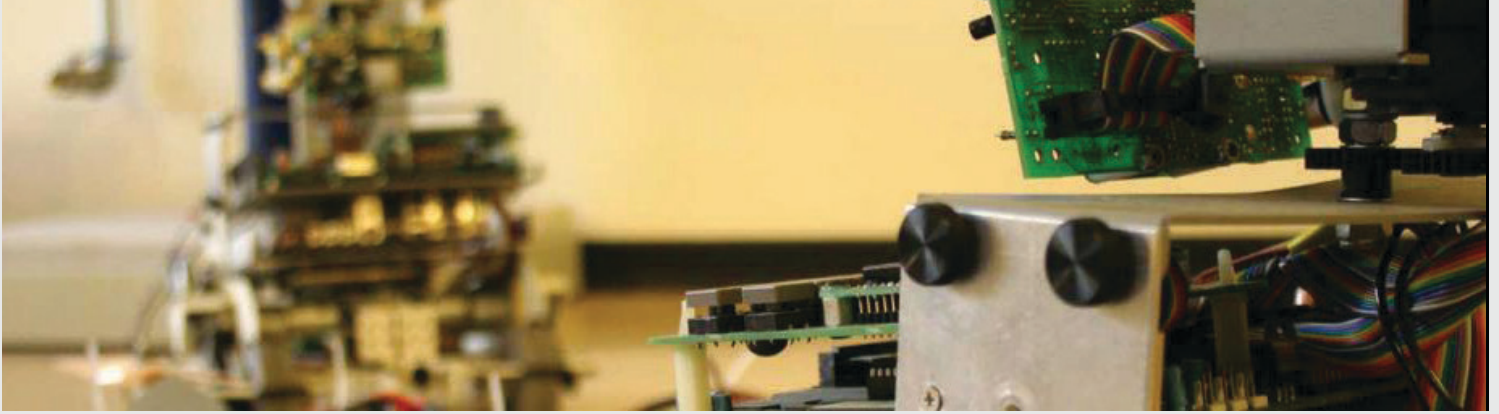


MECHATRONICS ENGINEERING

GRADUATE SCHOOL OF ENGINEERING AND NATURAL SCIENCES

GRADUATE PROGRAMS



ABOUT THE PROGRAM

Mechatronics is the design methodology of systems based on multidisciplinary engineering approaches. Most modern systems such as consumer products, manufacturing machines, or even exotic measurement devices must be designed to comply with several constraints at the same time, including complex behavior, mechanical and electronic precision, low cost, low power consumption, environmental friendliness, networked operation, smart interaction with users and work in uncertain environments. Their design requires engineers who are fluent in such disciplines as electronics, mechanics, computers, control, and other areas like optics and material science.

Mechatronics program at Sabancı University aims to educate creative individuals who can apply ideas from all such disciplines to design today's complex systems. The approach is supported by a curriculum seamlessly integrating the diverse disciplines, while being hands-on and research oriented from the undergraduate education, utilizing our comprehensive research infrastructure used for the industrial projects and fundamental research conducted by the program members.

Research Areas

- Advance Mechanics of Composite Structures
- Automotive Systems
- Biomechatronics
- Biomedical Applications
- Design of Mechatronic Systems
- Dynamics and Vibration
- Embedded and Real-time Systems
- Energy Systems
- Experimental and Computational Micro/Nano Fluidics and Heat Transfer
- Real-Time Imaging and Machine Vision Systems
- Robotic, Systems and Control
- Robotics, Systems and Controls
- Shape Sensing and Structural Health Monitoring
- Tissue Engineering
- Topology Optimization of Metamaterials and Tissue Engineering Systems

Faculty Members

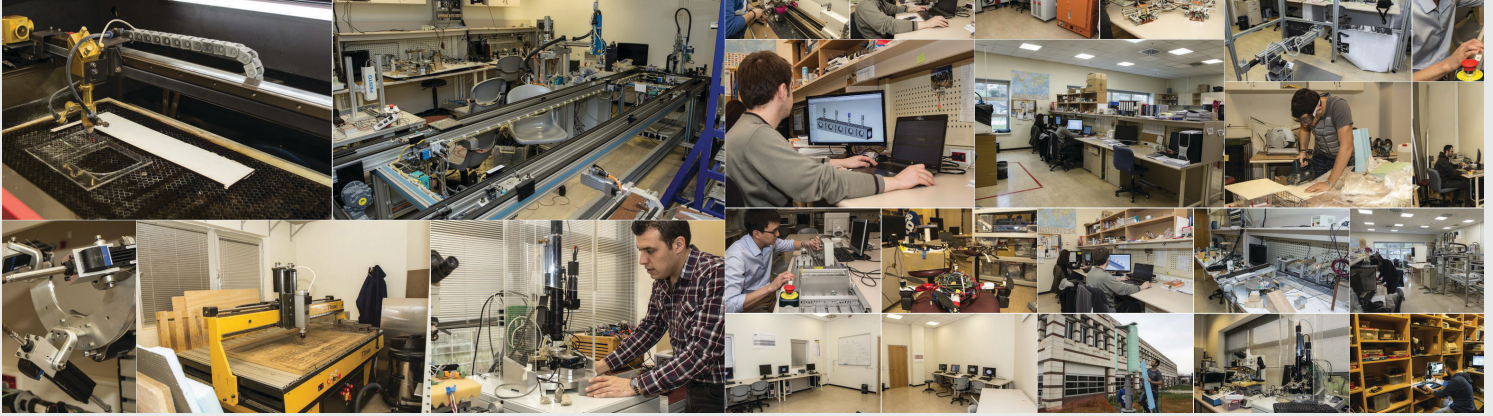
- Adnan Kefal
- Ali Koşar
- Bekir Bediz
- Güllü Kızıldağ Şendur
- Kemalettin Erbatur
- Kürşat Şendur
- Mahmut Faruk Akşit
- Melih Türkseven
- Meltem Elitaş
- Morteza Ghorbani
- Mustafa Ünel
- Serhat Yeşilyurt
- Tuğçe Yüksel
- Volkan Patoğlu



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Benefits Provided for Graduate Students

- Full Tuition Waiver
- Monthly Stipend
- Housing/Transportation Support
- Private Health Insurance
- Conference Travel Funding
- Financial Incentives for Project and Research

Application Requirements

- Official Transcript
- Statement of Purpose
- CV
- Two Letters of Recommendation
- ALES / GRE / GAT Score
- English Proficiency Exam Score (TOEFL (IBT) / PTE / CAE / CPE / YDS / e-YDS / YÖKDİL / e-YÖKDİL)

Online Application

admission.sabanciuniv.edu

Contacts

Graduate Coordinator

Kürşat Şendur

✉ kursat.sendur@sabanciuniv.edu

For more information

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