



Amir Nobahar Sadeghi, Ph.D.

Assistant Professor

Atılım University
Department of Mechatronics Engineering
06830 İncek, Gölbaşı, Ankara/TURKEY
Amir.nsnam@atilim.edu.tr
Tel: +90 312 586 8782

EDUCATION

2016-2020	University of Atılım, Modeling and Design of Engineering Systems at Electrical and Electronics Engineering Department, Ph.D.
2012-2015	University of Atılım, Mechatronics Engineering Department, M.S.
1991-1996	University of Urmia, Electronics Engineering Department, B.S.

ACADEMIC POSITIONS

02/2021-	Assistant Professor, Department of Mechatronics Engineering, Atılım University, Turkey
03/2020-10/2020	Post-Doctoral Research Fellow, Dept. of Electrical and Electronics Engineering, Atılım University, Turkey

RESEARCH INTERESTS

1	Design and Modeling of Engineering Systems
2	Control Engineering Design and Optimization
3	Intelligent Control and Artificial Intelligence
4	Embedded Robotic Systems
5	Unmanned Ground / Aerial Vehicle (UGV / UAV) Control and Navigation
6	Automation Systems

PROFESSIONAL SERVICE

08/2020-	Referee for the Journals: <ul style="list-style-type: none">- ASME (American Society of Mechanical Engineering) Journal of Dynamic Systems, Measurement, and Control- Robotica Journal, Cambridge University Press
----------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

PUBLICATIONS

1	<i>“Robust Controller Design for the Mobile Drilling Tower”</i> , Published in International Journal of Mechanical and Production Engineering (Volume 6 Issue 2), February 2018.
2	<i>“Robust and or Adaptive Control Design of a Drilling Rig during the Operating Modes”</i> , Published in Measurement and Control Journal (SCI-Exp.), DOI No: 10.1177/0020294019836121, April 2019.
3	<i>“Torsional Model of Drill String, Prediction of Bit Rotational Speed and Torque on bit in an Oil Well Drilling Tower”</i> , Published in Petroleum Science and Engineering Journal (SCI-Exp.), DOI No: 10.1016/j.petrol.2020.107814, August 2020.
4	<i>“Formation Control of Swarm Quadrotors”</i> , Published in IJSER (International Journal of Scientific & Engineering Research, DOI No: 10.14299/ijser.2020.08.07, August 2020.
5	<i>“Motion Control of a Three Degrees of Freedom Helicopter”</i> , Published in IJSER (International Journal of Scientific & Engineering Research, DOI No: 10.14299/ijser.2020.09.02, September 2020.
6	<i>“Face Detection”</i> , Published in International Journal of Innovative Science and Research Technology Volume 5, Issue 9, DOI No. 10.38124/IJSRT20SEP391, September 2020.

International Conferences

1	<i>“Robust Controller Design for the Mobile Drilling Tower”</i> , Proceedings of ISER 96 th International Conference, Istanbul / Turkey, December 22-23, 2017.
---	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------

PROJECTS

1	Design and Production of a 350 Tons Modular Drilling Tower, supported by Scientific and Technical Research Council of Turkey (TUBITAK) under the Grant:115G007 August 2016 – Present Responsible for the Design and Implementation of the Control System
2	Project Title: Design and Manufacture of an Intelligent Foldable Human Transporter Supported by: Atılım University Project Duration: 30.09.2020-Present Advisor
3	Project Title: Design of Navigation Control Architecture and Independent Motor Torque Controllers on an Autonomous Vehicle Supported by: Atılım University Project Duration: 30.09.2020-Present Principal Investigator

CITATIONS

Sum of times cited without self-citations (ISI Web of Science):	5
H-index (ISI Web of Science):	1

COURSES GIVEN

Department of Mechatronics Engineering, Atilim University	
1	MECE 404 Mechatronics Design
2	MECE 408 Undergraduate Research Projects

HONORS & AWARDS

1	Distinguished Scholar Award from the Independent Ad Hoc Scientific Award Committee and the Editorial Board of the European Journal of Scientific Research based on the contribution to the selected field of academic research through the article titled "Robust Controller Design for the Mobile Drilling Tower". February 2021
2	Scholarship (100%) for 8 Semesters as a Successful Student, Atilim University, September 2016