



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

CITATIONS

Web of Science Number of Citations (without self-citation)	6
H-index (ISI Web of Science)	2
Citations (Google Scholar)	11

H-index (Google Scholar)	2
--------------------------	---

PROFESSIONAL SERVICE

08/2020 -	<p>Referee for the Journals:</p> <ul style="list-style-type: none"> - ASME (American Society of Mechanical Engineering) Journal of Dynamic Systems, Measurement, and Control - Robotica Journal, Cambridge University Press <p>Reviewer for the Conferences:</p> <ul style="list-style-type: none"> - 19th International Conference on Machine Design and Production
-----------	---

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/IJISRT20SEP391, September 2020.
7	“ <i>Modelling and Controlling of Drill String Stick Slip Vibrations in an Oil Well Drilling Tower</i> ”, Published in Petroleum Science and Engineering Journal (SCI-Exp.), DOI No: 10.1016/j.petrol.2022.110759, June 2022.

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: TUBITAK under the Grant:115G007 August 2016 – June 2022, PhD Students, Post-Doc Researcher, Researcher
2	Project Title: Design and Manufacturing of a Lightweight and Foldable Human Carrier Supported by: Atılım University under the Grant: ATÜ-LAP-2122-09 Project Duration: 01.12.2021 - 31.08.2022 Project Manager
3	Project Title: Intelligent Drive Unit for Wheelchairs Supported by: Atılım University under the Grant: ATÜ-BAD-2122-01 Project Duration: 01.12.2021 - 01.12.2022 Project Manager
4	Project Title: Modeling of 4x4 Electric Vehicle to Develop Driving Algorithm Supported by: FNSS Company Project Duration: 01.01.2022 - Present Principal Investigator

COURSES GIVEN

Department of Mechatronics Engineering, Atılım University	
1	EE 203 Digital Circuits and Systems
2	EE 303 Signals and Systems
3	MECE 306 Control Systems
4	MECE 332 Mechatronics Instrumentation
5	MECE 399 Summer Practice I
6	MECE 401 Mechatronics Design
7	MECE 406 Digital Control
8	MECE 408 Undergraduate Research Projects
9	MECE 499 Summer Practice II

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

JURI MEMBER

1	MS Thesis, Ayman Al-Qassab, “ <i>Localization and Path Planning for Multiple Agents using Opti-Track Cameras</i> ”, Mechatronics Eng. Dept., Atilim University, September 2021
2	MS Thesis, Özgün Çalış, “ <i>Modelling and Control of 3D Flapping Flight</i> ”, Aerospace Eng. Dept., MTU, February 2022
3	PhD Thesis, Ahmed Hefdhi Mohsin, “ <i>Optimal Control of a Drilling Operation with Multiple Constraints</i> ”, Electric and Electronics Eng. Dept., Atilim University, 2021-Present