

Asst.Prof.Dr. Burak KURKCU

CONTACT INFORMATION	Department of Computer Engineering Beytepe Campus 06800 Ankara/Turkey	+90-542-612-33-47 kurkcub@gmail.com
RESEARCH INTERESTS	Robust control theory, model predictive control, adaptive control theory, switched systems/control, LPV systems, autonomous systems, mechatronics, and robotics.	
PROFESSIONAL EXPERIENCE	Assistant Prof. Dr. Department of Computer Engineering, Hacettepe University	March 2021 to present
	Part-time Lecturer Department of Electrical and Electronics Engineering, TOBB University of Economics and Technology	May 2018 to 2021
	Senior Expert Control System Design Engineer Division of Microelectronics, Guidance and Electro-optics, ASELSAN Inc. Positions:	2011 to 2021
	<ul style="list-style-type: none">• Team leader - Flight control systems design team, Responsible for:<ul style="list-style-type: none">- Design of robust autopilot systems- Design of guidance systems- Flight dynamics- Hardware-in-the-loop test- Monte-Carlo simulations	2016 to 2019
	<ul style="list-style-type: none">• Senior team member - Mechatronic systems design team, Responsible for:<ul style="list-style-type: none">- Design of stabilization loops for gimbal systems- Design of stabilization loops for pan-tilt systems	2014 to 2016
	<ul style="list-style-type: none">• Team member - Mechatronic systems design team. Responsible for:<ul style="list-style-type: none">- Design of speed/position loops for DC/BLDC motors	2011 to 2014
EDUCATION	TOBB University of Economics and Technology, Ankara, TR Ph.D., Electrical and Electronics Engineering, 05/2015-01/2019 <ul style="list-style-type: none">• Thesis Topic: <i>Development of Robust Stability and Robust Performance Based Control Theory and Applications</i>• Advisors: Cosku Kasnakoglu, Prof. M.Sc., Electrical and Electronics Engineering, 09/2013-03/2015 <ul style="list-style-type: none">• Thesis Topic: <i>LQG/LTR Controller Design for Two Axis Precise Gimbal Stabilization</i>• Advisors: Cosku Kasnakoglu, Prof. Istanbul Technical University, Istanbul, TR B.Sc., Mechanical Engineering, 09/2005 - 07/2010 <ul style="list-style-type: none">• Thesis Topic: Snake-like Robot Design and Prototype Production• Advisors: Z. Yagiz Bayraktaroglu, Assoc. Prof.	