Sevkuthan KURAK

Faculty of Engineering and Natural Science
International University of Sarajevo, BH
Teaching Assistant

Personal Data

Industrial Business Experience	15 Years +
Nationality	Republic of Turkey
Military Status	Completed (31.01.2005)
Place of Birth	Istanbul / TURKEY
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Research Interests

- Control Theory
  - Power Electronics
  - Active Power Filtering
  - Non Linear Control
  - Optimal Control
  - Optimal Filtering
  - Adaptive and Intelligent Control
  - Robotics
- Antenna Theory
- Embedded Systems
  - Texas Instruments DSPs.
  - Arm-Cortex Microcontrollers
- Avionic Systems
- Sensors

Education

M.Sc. In Electrical and Electronics Engineering (2015-2017, 3.73/4.00)
Faculty of Engineering and Natural Sciences
International University of Sarajevo
Sarajevo / BOSNIA AND HERZEGOVINA
M.Sc. Thesis: Control and Estimation of Quadcopter Dynamical Model

B.Sc. Astronautical Engineering (1992-2002, 2.65/4.00)
Aeronautical and Astronautical Faculty
Istanbul Technical University
Istanbul/TURKEY

Teaching Experience

Term	Courses	Position	Institution
Spring 2020	MATH201 - Linear Algebra	T/A	IUS
	EE422 - Power Electronics	T/A	IUS
	EE430 - Control of Electric Drives	T/A	IUS
	EE437 - Introduction to Robotics	T/A	IUS
Fall 2020	EE202 - Electrical Circuits II	T/A	IUS
	EE431 - Digital Signal Processing	T/A	IUS
Spring 2019	EE422 - Power Electronics	T/A	IUS
	EE435 - Microprocessors – DSP Labs	T/A	IUS
Fall 2018	EE412 - Motion Control Systems	T/A	IUS
	EE202 - Electrical Circuits II - Labs	T/A	IUS
Spring 2018	MATH202 - Differential Equations	T/A	IUS
	EE202 - Electrical Circuit II - Labs	T/A	IUS
	MATH101	T/A	IUS
Fall 2017	MATH202 - Differential Equations	T/A	IUS
	ENS211 - Signals and Systems	T/A	IUS
	MATH101	T/A	IUS
	MATH201 - Linear Algebra	T/A	IUS
Spring 2017	EE311 - Control System Design	T/A	IUS
	MATH101	T/A	IUS
Fall 2016	ENS206 -System Modeling	T/A	IUS

Courses
MATH101, MATH201, MATH202,
EE311, EE422, EE430, EE437, EE412, EE202, EE431, EE435,
ENS206, ENS211

Industrial Business Experience (Last Two Companies)

Research and Development Engineer
Embedded Systems Programmer
Datakom Electronic Inc. (September 2012-June 2015)

Research and Development Engineer
Embedded Systems Programmer – Circuit Designer
ARG Electronic Consultancy Inc. Co. (December 2007-November 2012)

Used Tools

1. Texas Instrument Code Compose Studio and DSPs related tools.
2. Eagle CAD, Printed Circuit Board Design Program.
3. Matlab and Simulink.
4. Keil Compiler-JTAG.
5. Visual Studio, C, C++, C#.
6. Wireshark.
7. Oracle VM VirtualBox.
8. VMware.
9. Ubuntu.
10. Qtopia.
11. GCC.
12. MinGW-MSYS.
13. AVR Studio.
14. Win-AVR.
15. Microchip MPLAB.
16. Microchip C18 Compiler.
17. Microchip ICD2 debugger-programmer.
18. GoldWave (sound processing software).
19. Altium 2017
20. NetBeans 7.0 and JAVA
21. SQLite.
22. Friendly ARM, Mini2440, S3C2440 ARM9 Board
23. Embedded Artists (EA), LPC2468 Developer's Kit.
24. Keil, MCBSTM32
25. MSDN C-C++ library knowledge. (Win32 API)
26. Tortoise SVN
27. Beyond Compare
28. Polar SSL and Open SSL
29. Crypto JAVA Card Applications
30. Common Criteria EAL-4 Project Application and Documentation