Europass Curriculum Vitae

Personal information

First name(s) / Surname(s)	**Dila Türkmen**
Address(es)	-
Telephone(s)	-
Fax(es)	-
E-mail	-
Nationality	-
Date of birth	-
Gender	-

Desired employment / Occupational field

Post-Doctoral Researcher

Work experience

Dates	2024 – to date
Occupation or position held	Post Doctoral Research Fellow
Main activities and responsibilities	Conducting and supporting original research in soft wearable sensors and embodied intelligence.
Name and address of employer	Sant'Anna School of Advanced Studies - Pisa
Type of business or sector	Academia
Dates	2015 – 2024
Occupation or position held	Research Assistant
Main activities and responsibilities	Research Assistance (Automatic Control Lab, Flexible Systems Lab), Teaching Assistance (Automatic Control Section), Administrative Assistance (Founder – Project Manager of the Sustainability Office of Istanbul Technical University, International Ranking Commission, EELISA European University Alliance)
Name and address of employer	İstanbul Technical University, Mechanical Engineering Faculty, İstanbul, Turkey, İnönü Cad 65
Type of business or sector	Academia

Education and training

Dates	2016-2024
Title of qualification awarded	PhD
Principal subjects/occupational skills covered	Soft robotics and sensors, physical intelligence Skills: Ag NP inkjet printing on polymer substrates, Laboratory (@ EPFL, LMIS1) and office type inkjet printers, Experiment setup and procedure design for sensor fabrication and bending characterization, Statistical analysis over experiment group, Microscopic inspection, Coding (MATLAB), Dynamixel Motors, Layer-by-Layer fabrication (laser cutting, heat press), Dynamic system modelling, Heat transfer analysis, FEM mechanical analysis, Design optimization, Bio-inspired design, Robot position control, Parallel mechanisms, Pneumatic actuation (pouch motors), Courses: Adv. System Dynamics and Control (Bond Graph Modelling), Soft Robotics, Probabilistic Methods in Robotics, Intelligent Systems and Soft Computing (Machine Learning), Dynamics of Mechanical Systems, Mechatronic System Components, Advanced Control Methods in Mechatronics.

Name and type of organisation providing education and training	Istanbul Technical University
Level in national or international classification	Level 8 (Turkish Qualifications Framework)

Dates	2013-2016
Title of qualification awarded	MSc
Principal subjects/occupational skills covered	Skills: 6-DOF serial robot kinematics, modelling and control, MATLAB Simulink Simmechanics, 6-axis force/torque sensors, Data acquisition, Environmental contact tasks (i.e. writing on a moving plane). Courses: Nonlinear Oscillations, Noise and Vibration Control, Dynamical Systems Modelling and Simulation, Optimization Methods, Modern Control Engineering, Data Acquisition and Signal Processing.

Dates	2009-2013
Title of qualification awarded	BSc
Principal subjects/occupational skills covered	Robot Gripper Design, Fabrication and Control- (Graduation Project)
Name and type of organisation providing education and training	Istanbul Technical University
Level in national or international classification	Level 6 (Turkish Qualifications Framework)

Self-assessment	Understanding		Speaking		Writing
European level (*)	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
French	B1	B1	B1	B1	B1
German	A1	A1	A1	A1	A1

(*) Common European Framework of Reference for Languages

Social skills and competences	Engaging presentations for public and professionals Strong storytelling and visual communication skills Conflict resolution, negotiation, and maintaining student interactions Effective interdisciplinary communication (science, engineering, art, etc.) Experience in multicultural and international environments Persuasive communication for entrepreneurship and institutional change (e.g., sustainability office)
Organisational skills and competences	Project management and dissemination Conference organization and event coordination Independent research planning and execution Risk-taking in research and idea implementation Experience in structured yet creative problem-solving
Technical skills and competences	*Inkjet printing for flexible electronics, Sensor characterization, Microscopic Inspection, Experimental Analysis, Mechanism design and fabrication, Dynamical modelling and analysis, Control system design, Embodied intelligence system design, Soft robotic systems design and fabrication*
Computer skills and competences	*MATLAB, CAD modelling, FEM,* LaTeX
Artistic skills and competences	Classical ballet and modern dance (Certified dancer with 15+ year training), Improvisation, Illustration
Other skills and competences	-

Driving licence	Type B (car)
Additional information	Studied at EPFL in Switzerland, Lausanne in Reconfigurable Robotics Lab (RRL) under the for a year (2022-2023) as a visiting PhD student.