Marie Skłodowska Curie Action – Postdoctoral Fellowship 2023
Expression of interest – Hosting offer
(MSCA-PF-2023)

Contact Person/Scientist in charge **Name** *(data of the principal investigator of the research group/lab or scientific supervisor)* **Surname**	Volkan	
	Sezer	
Email	sezerv@itu.edu.tr	
Laboratory /Department /Institute /Centre / **Name** *(data of the centre/department where the fellow would be located*	Smart and Autonomous Systems Laboratory (SASlab) / Istanbul Technical University , Faculty of Electric Electronics Engineering	
Address	Istanbul Technical University Ayazaga Campus, Faculty of Electric Electronics Engineering Building, Room No: 8105, Istanbul.	
Research Area *(Please select the research area: corresponding to the eight MSCA evaluation panels. You can select between one and up to three scientific areas per EOI)*	Information Science and Engineering (ENG)	
Brief description of the Centre/Research Group *(max. 1,600 characters including spaces: information about the research centre or research group, scientific staff. Please include URL if possible)*	Our research laboratory, situated within Istanbul Technical University, is focused on conducting applied research on smart and autonomous systems. Our aim is to undertake internal and external projects, train students who will be working on these projects in the field of autonomous systems, and contribute to the academic literature with national and international scientific publications and patent outputs. With a dedicated team of researchers and state-of-the-art facilities, we are committed to advancing the field of autonomous systems and its applications in various industries. Here are some projects from our lab: https://youtube.com/playlist?list=PLtjra-0qgvvdzp_DpIAoLO_3EvQw--g80&feature=shares	
Project description *(max. 1,800 characters including spaces: short description of the research project / research line where the fellow would be hosted and develop his /her project)*	Our research group is currently running an active project that is funded by Tubitak (The Scientific and Technological Research Council of Turkey). The project is titled "Development and Implementation of Advanced Autonomous Driving Algorithms for Autonomous Mobility" and is focused on solving localization and planning problems of differential drive mobile robots. Additionally, we are also working on other subjects such as human detection and tracking, and control. The project team comprises of 1 Assoc. Prof., 1 Ph.D student, 1 MSc. Student, and 1 BSc. student. We have multiple robots at our disposal to conduct real-world experiments, such as a 1/10 scaled autonomous automobile, different versions of differential drive robots from Turtlebot company or autonomous wheelchairs that are converted by our researchers (Click to see). As a Postdoc fellow, you can choose to work on any aspect of autonomy problems within our research group, including perception, localization, global/local planning or control.	
Applications: documents to be submitted and deadlines *(Please indicate the documents that the candidate fellow should submit to establish contact: CV, letter of motivation, letter of references, etc., please indicate deadline. Recommended deadline: April 2023)*	Application documents to be submitted are: CV, letter of motivation, and an estimated time plan for research. Deadline is 30 April.	