

Marie Skłodowska Curie Action – Postdoctoral Fellowship 2023
Expression of interest – Hosting offer
(MSCA-PF-2024)

Contact Person/Scientist in charge <i>(data of the principal investigator of the research group/lab or scientific supervisor)</i>	Name	Emrecan
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Laboratory /Department /Institute /Centre / <i>(data of the centre/department where the fellow would be located)</i>	Name	ITU-EKAM / Mechanical Engineering ekam.itu.edu.tr
	Address	İTÜ Makina Fakültesi, İnönü Caddesi, No. 65, Gümüşsuyu, 34437, Beyoğlu / İstanbul
Research Area <i>(Please select the research area: corresponding to the eight MSCA evaluation panels. You can select between one and up to three scientific areas per EO)</i>		Life Sciences (LIF)
Brief description of the Centre/Research Group <i>(max. 1,600 characters including spaces: information about the research centre or research group, scientific staff. Please include URL if possible)</i>		ITU-EKAM is an additive manufacturing research laboratory. It mainly focuses on metal AM processes. Process modeling and parameter optimizations have been investigated to improve the process reliability. Design for AM for different sectors is in progress.
Project description <i>(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)</i>		<p>Project will mainly focus on binder jetting process. Researcher will either focus on SS316 printed parts sintering modeling or soft magnetic toroidal inductor manufacturing.</p> <p>Sintering modeling will include experiments of the whole process and matching the results by building up a numerical FEA sintering modeling.</p> <p>Soft magnetic study will focus on improving magnetic properties of soft magnetic printed parts by novel strategies.</p>

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)

CV, letter of motivation, letter of references, and Transcripts are expected from candidates.