

Stela Perković

Nationality: Croatian | **Email address:** stela.perkovic@fsb.unizg.hr | **LinkedIn:** [Stela Perković](#) |

Address: Zagreb, Croatia (Work)

WORK EXPERIENCE

UNIVERSITY RESEARCH ASSISTANT – UNIVERSITY OF ZAGREB, FACULTY OF MECHANICAL ENGINEERING AND NAVAL ARHITEKTURE – 09/2025 – Current – ZAGREB, CROATIA

Department of Energy, Power and Environmental Engineering
Power Engineering and Energy Management Chair

INTERNSHIP – UNIVERSITY OF ZAGREB, FACULTY OF MECHANICAL ENGINEERING AND NAVAL ARHITEKTURE – 02/2024 – 09/2025 – ZAGREB, CROATIA

INTERNSHIP – GAL ENERGY D.O.O. – 10/2024 – 11/2024 – MRACLIN, CROATIA

INTERNSHIP – ENERGY INSTITUTE HRVOJE POŽAR – 07/2022 – 08/2022 – ZAGREB, CROATIA

EDUCATION AND TRAINING

10/2025 – CURRENT Zagreb, Croatia
PHD University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture

Field of study Mechanical Engineering, Technical sciences- interdisciplinary technical sciences

09/2023 – 07/2025 Zagreb, Croatia
MASTER DEGREE IN MECHANICAL ENGINEERING, UNIV.MAG.ING.MECH University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture

Website <https://www.fsb.unizg.hr> | **Field of study** Electricity and energy | **Final grade** Summa Cum Laude |

Thesis Techno-economic analysis of electrolyzer integration in ammonia production

2018 – 2023 Zagreb, Croatia
BACHELOR DEGREE IN MECHANICAL ENGINEERING, UNIV.BACC.ING.MECH University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture

Website <https://www.fsb.unizg.hr> | **Field of study** Electricity and energy |

Thesis A more precise thermodynamic calculation of the steam generator

HONOURS AND AWARDS

10/2025
Rector's Award – University of Zagreb

THE FIRST CROATIAN HYDROGEN RACING CAR – H2CRO

10/2024
Rector's Award – University of Zagreb

nZEB campus with a high share of renewable energy sources

● **LANGUAGE SKILLS**

Mother tongue(s): **CROATIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C1	C1	C1

● **SKILLS**

Microsoft Office | SOLIDWORKS | Simulink | Python | PVGIS | MATLAB | LEAP | EnergyPLAN

● **PROJECTS**

09/2025 – CURRENT

SWIM - Sustainable Water and Integrated Management of Fish Migration and their Habitats in the Danube River Basin and NW Black Sea

SWIM project aligns with the EU Mission “Restore our Ocean and Waters,” aiming to restore, protect, and enhance habitats of migratory fish species in the Danube River Basin and the Northwestern Black Sea region. By developing and implementing innovative, sustainable, and scalable solutions through 13 activities foreseen at 7 pilot sites, SWIM seeks to improve habitat connectivity, quality and conservation, and overall, the aquatic ecosystems health.

Link <https://www.youtube.com/watch?v=GoZKSdH-Ubc&t=34s>

● **CONFERENCES AND SEMINARS**

27/08/2025 – 29/08/2025 Hersonissos - Crete

Summer School on Green Fuels

As part of the summer school on green fuels, I gained knowledge about various methods of biofuel production and attended lectures by distinguished speakers from academia and industry. The program also included a group project involving a life cycle assessment (LCA) of one of the promising alternative green fuels.

05/10/2025 – 10/10/2025 Dubrovnik, Croatia

20th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES)

Link <https://www.dubrovnik2025.sdewes.org/>