

Ivan Traparic

Assistant Research
Professor, PhD

Details:

Pregrevica 118, Belgrade, Serbia

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Languages:

English – Advanced

German – Proficient

Serbian – Native

Education

PhD in Physics of Ionized Gases and Plasma

University of Belgrade, Faculty of Physics 2020 - 2024

Thesis title: Application of Machine Learning and Artificial Intelligence in Plasma Spectroscopy

MSc in Theoretical and Experimental Physics

University of Belgrade, Faculty of Physics 2019-2020

Cumulative GPA: 10.0

BSc in Applied and Computational Physics

University of Belgrade, Faculty of Physics 2015-2019

Cumulative GPA: 9.43

Experience

Assistant Research Professor

Feb 2025 – Current

Institute of Physics Belgrade

- Continued to work on machine learning applications in plasma spectroscopy
- Gained experience in data analysis of fusion plasmas (high temperature plasmas)

Research Assistant

Nov 2023 – Jan 2025

Institute of Physics Belgrade

- Participated in NOVA2LIBS4fusion project
- Got valuable experience in spectroscopy of laser-produced plasmas and LIBS technique
- Got experience in handling of MW power source and work with MW induced plasma

Junior Researcher

Apr 2021 – Nov 2023

Institute of Physics Belgrade

- Started the work on EUV spectroscopy of pulsed discharges
- Started the work on my PhD thesis with focus on application of machine learning in plasma spectroscopy

Skills

- Python Programming
- Machine Learning
- Experimental Physics
- Plasma Physics
- Plasma Spectroscopy
- Microcontrollers