Zdravko Dugonjic

Phone: +49 351 463-40828
Email: zdugonjic@lasr.org
Homepage: zdugonjic.com
Google Scholar: Link

Education

2023 – Present **Technische Universität Dresden**
Ph.D. in Computer Science
✶ SECAI Graduate School
Advisors: Prof. Roberto Calandra and Prof. Stefanie Speidel
Research: Machine Learning, Touch Sensing

2022 – 2023 **University Grenoble Alpes, ENSIMAG**
M.Sc. in Computer Science
Thesis: Probing Syntactic Information in Self-Supervised Acoustic Models
Advisors: Maximin Coavoux, Andrien Pupier and Prof. Benjamin Lecouteux

2017 – 2021 **University of Novi Sad, Faculty of Technical Sciences**
B.Sc. in Electrical Engineering and Computer Science
Thesis: Detection of Bad Coding Practices Using Machine Learning Approaches
Advisors: Prof. Aleksandar Kovacevic

Thesis project was part of nationally-funded research project "Clean Code and Design Educational Tool".

Experience

2023 – Present **Technische Universität Dresden, Research Assistant**
with Prof. Roberto Calandra

2023 **Computer Science Laboratory of Grenoble (LIG), Intern**
with Maximin Coavoux, Andrein Pupier and Prof. Benjamin Lecouteux
Probing Syntactic Information in Self-Supervised Models for Speech Recognition.

Teaching

Teaching Assistant

2024 Fall **Touch Sensing and Processing**
Teaching Assistant with Prof. Roberto Calandra

2023 Fall **Touch Sensing and Processing**
Teaching Assistant with Prof. Roberto Calandra

Student Assistant

2019 Fall   **Object Oriented Programming**
Student Assistant with Prof. Miodrag Djukic

Event Organization

2025   **Touch Sensing and Processing Summer School**
with Prof. Roberto Calandra and Philipp Hanish
Link: TSPSS 2025

2024   **Touch Sensing and Processing Summer School**
with Prof. Roberto Calandra and Philipp Hanish
Link: TSPSS 2024

Publications

2025   Artemii Redkin, **Zdravko Dugonjic**, Mike Lambeta, Roberto Calandra.
Enhance Vision-based Tactile Sensors via Dynamic Illumination and Image Fusion
preprint

2024   Julia Di, **Zdravko Dugonjic**, Will Fu, Tingfan Wu, Romeo Mercado, Kevin Sawyer, Victoria Rose Most, Gregg Kammerer, Stefanie Speidel, Richard E Fan, Geoffrey Sonn, Mark R Cutkosky, Mike Lambeta, Roberto Calandra. **Using fiber optic bundles to miniaturize vision-based tactile sensors**
IEEE Transactions on Robotics

2024   **Zdravko Dugonjic**, Adrien Pupier, Benjamin Lecouteux, Maximin Coavoux.
What has LeBenchmark Learnt about French Syntax?
Joint International Conference on Computational Linguistics, Language Resources and Evaluation (LREC-COLING)

Awards

2022 – 2023   ☞ **Awarded the Campus France Scholarship**