

# Zdravko Dugonjic

Phone: +49 351 463-40828

Email: [zdugonjic@lasr.org](mailto:zdugonjic@lasr.org)

Homepage: [zdugonjic.com](http://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, Andrien 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**