

Zdravko Dugonjic

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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, Adrien 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, Adrien 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**