

INTRODUCTION OF THE FIRST YEAR PHD STUDENT

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INSTITUTE OF MACHINE
AND INDUSTRIAL DESIGN

CONTENT

- Introduction of myself
- Education
- Bachelor thesis
- Master thesis
- Disertation thesis
- Teaching and learning



CONTENT

- Hometown: Štoky
- Vysočina – Region Havlíčkův Brod



(stoky.cz)

INTRODUCTION

- Pochod vysočiny – First Saturday in May
- Trampský širák – First week in September



(stoky.cz)



(trampskysirak.cz)



Cyklotrasa: 15 km, 30 km, 50 km a 80 km

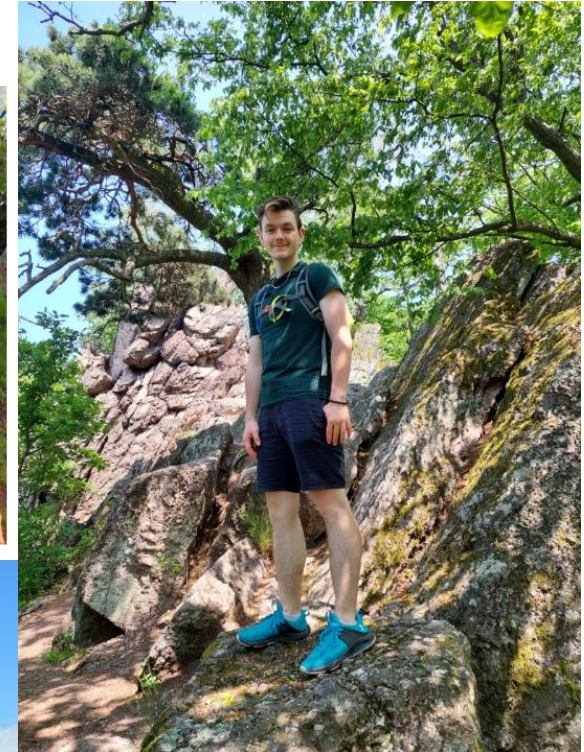
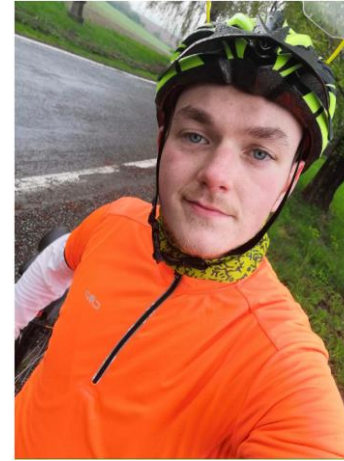
Pěší trasa: 5 km, 10 km, 20 km, 30 km a 50 km

(facebook.com/stokanek)

HOBBIES AND INTERESTS

- Sports

- Road biking
- Badminton
- Swimming
- Hiking
- Dancing



HOBBIES AND INTERESTS

- Traveling:



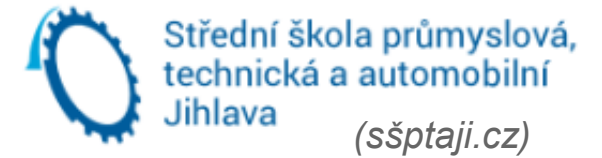
HOBBIES AND INTERESTS

- Other activities:
 - Choral singer
 - Board gamer
 - Indoor gardener



EDUCATION

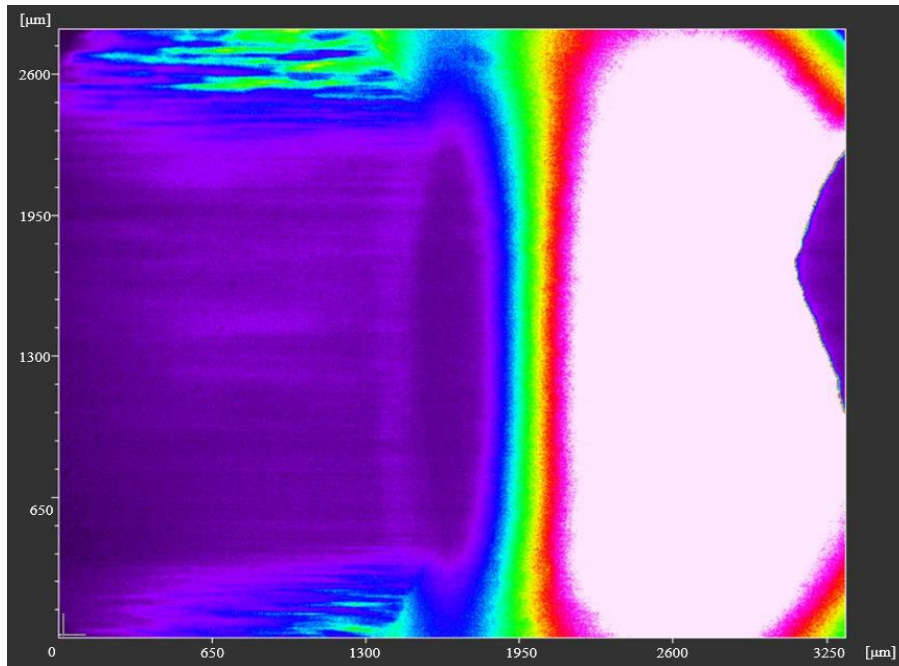
- High school
 - Střední škola průmyslová, technická a automobilní Jihlava, Machinery technician 2015-2019
- University
 - Bachelor (Bc.), FME, BUT, Fundamentals of Mechanical Engineering 2019-2022
 - Master of Science (Ing.), FME, BUT, Mechanical Engineering Design 2022-2024



BACHEROL THESIS

Experimental observation of grease migration in a rolling bearing simulator

- Institute of Machine and Industrial Design
- Supervisor: Ing. David Košťál, Ph.D.



Pyrene in Li-1CP, $v=60 \text{ m} \cdot \text{s}^{-1}$

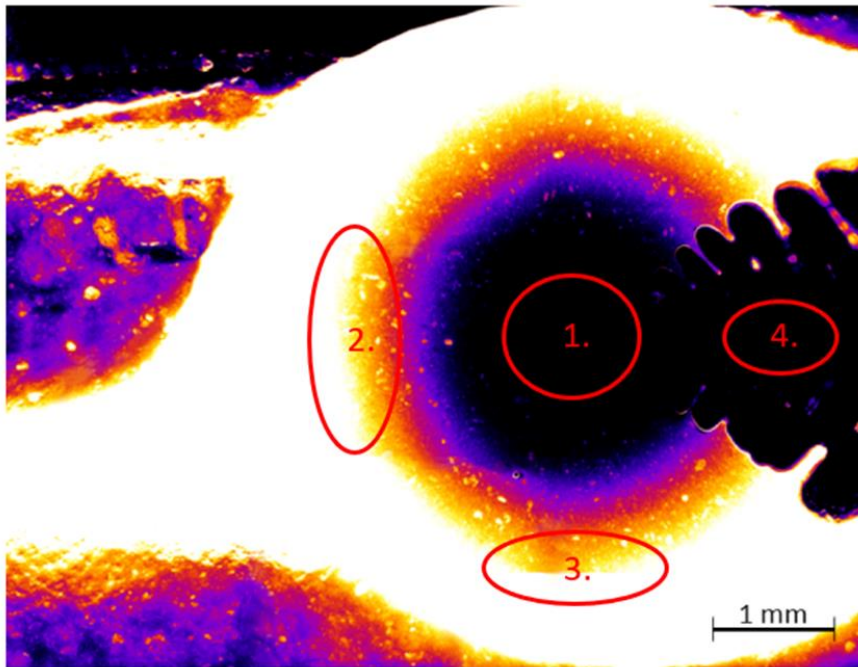


Grease with coumarine
(https://1url.cz/@DP_Oka1_Michal)

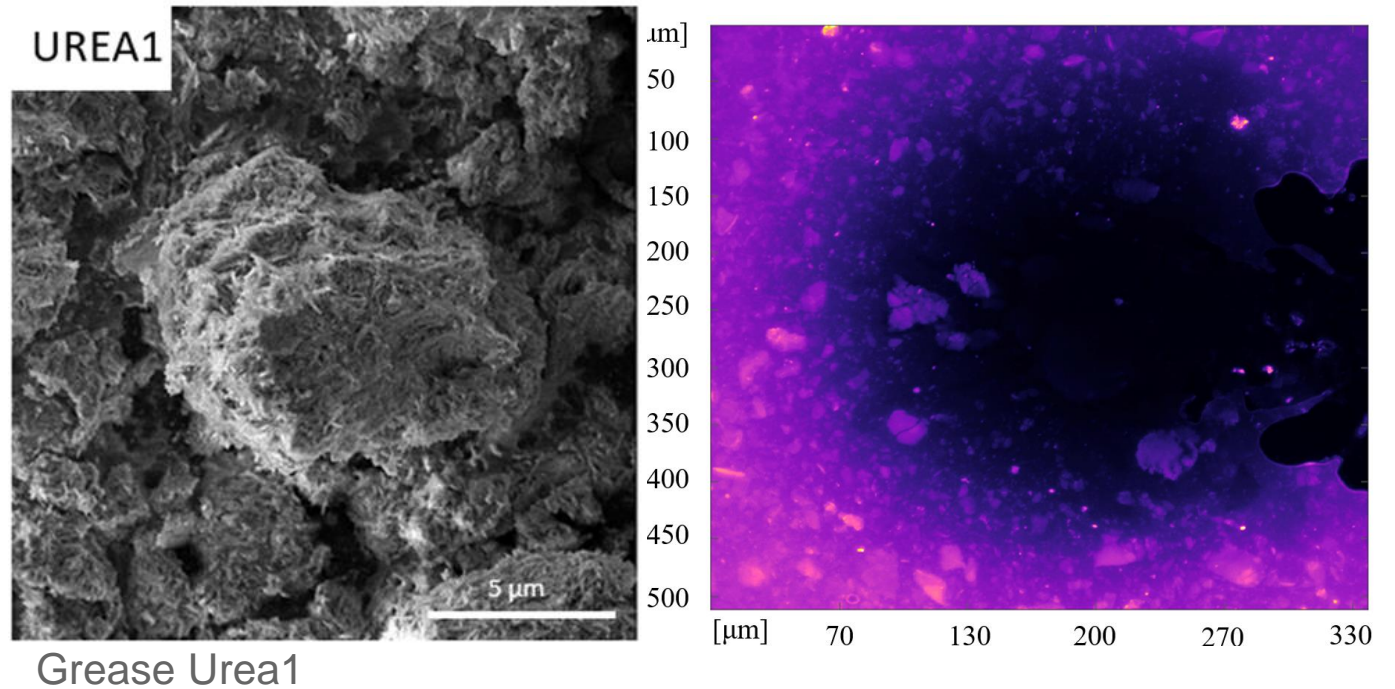
DIPLOMA THESIS

Concentration of grease constituents in the EHD contact and its surroundings

- Institute of Machine and Industrial Design
- Supervisor: Ing. David Košťál, Ph.D.



Fluorescence contact ball-on-disc



HYBRID LUBRICATION COATINGS FOR SPACE APPLICATIONS

Concentration of grease constituents in the EHD contact and its surroundings

- Institute of Machine and Industrial Design
- Supervisor: prof. Ing. Ivan Křupka, Ph.D., Supervisor specialist: Ing. David Košťál, Ph.D.



(<https://shorturl.at/54FEW>)

TEACHING AND LEARNING

- 3CD CAD “basic”
- ZIP Construction project

- 9MOP Methodologies of Scientific Work
- 9VPR Research Project and its Management
- 9AJ English for Doctoral Degree Study
- 9EHD Advanced Tribology
- 9EXT Experimental methods in tribology

THANK YOU FOR YOUR ATTENTION

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