Research, educational and other activities at IMID

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FME BUT, 30. 5. 2018



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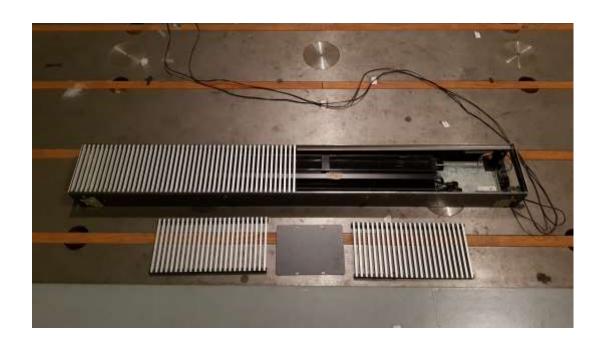
- Research
- Education
- Coordination

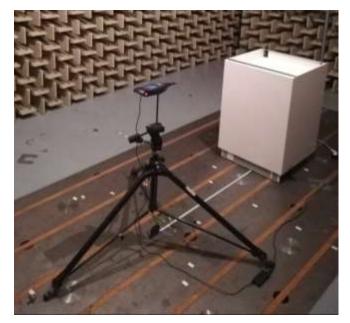


Contractual research

ISAN radiátory s.r.o.

Analysis of acoustic properties of various products of the manufacturer (mostly heat convectors). Verification of noise of the installed units and consulting.



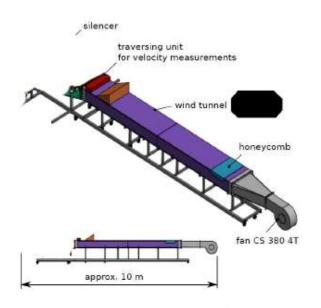


Contractual research

SIEMENS A.G.

Analysis of acoustic power and acoustic insulation capabilities of the train HVAC silencer. In cooperation with LPTP.







Applied research

Development of innovative method for assessment of the car suspension technical condition

Cooperation with ModularTest s.r.o. Development of testing rigs and methods for technical diagnostics of car

suspension.



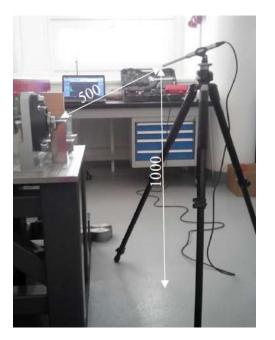


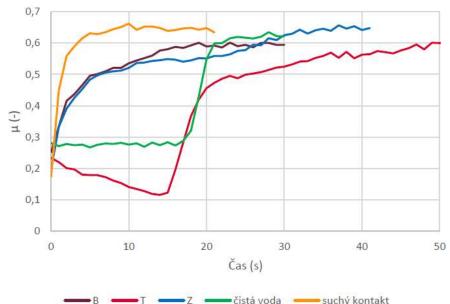
Applied research

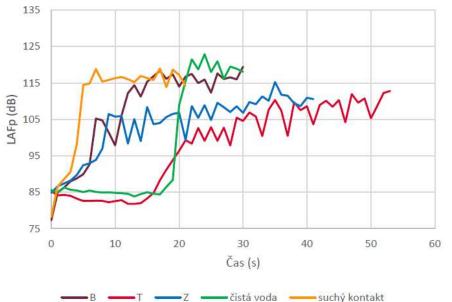
Study of the noise radiation in rail applications

Cooperation with Tribology group. Study of relation between adhesion and noise. Development of smart device for application of the products for modification of the adhesion.









Education

Courses in 3rd year of general bachelor's degree programme 5KS and 6KT

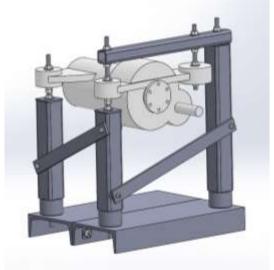
- Teaching practicals regularly and occasionally lectures as well.
- Preparation of the teaching materials.
- Running e-learning support.
- Supervising electronic exams.

Courses in master degree study – ZKP

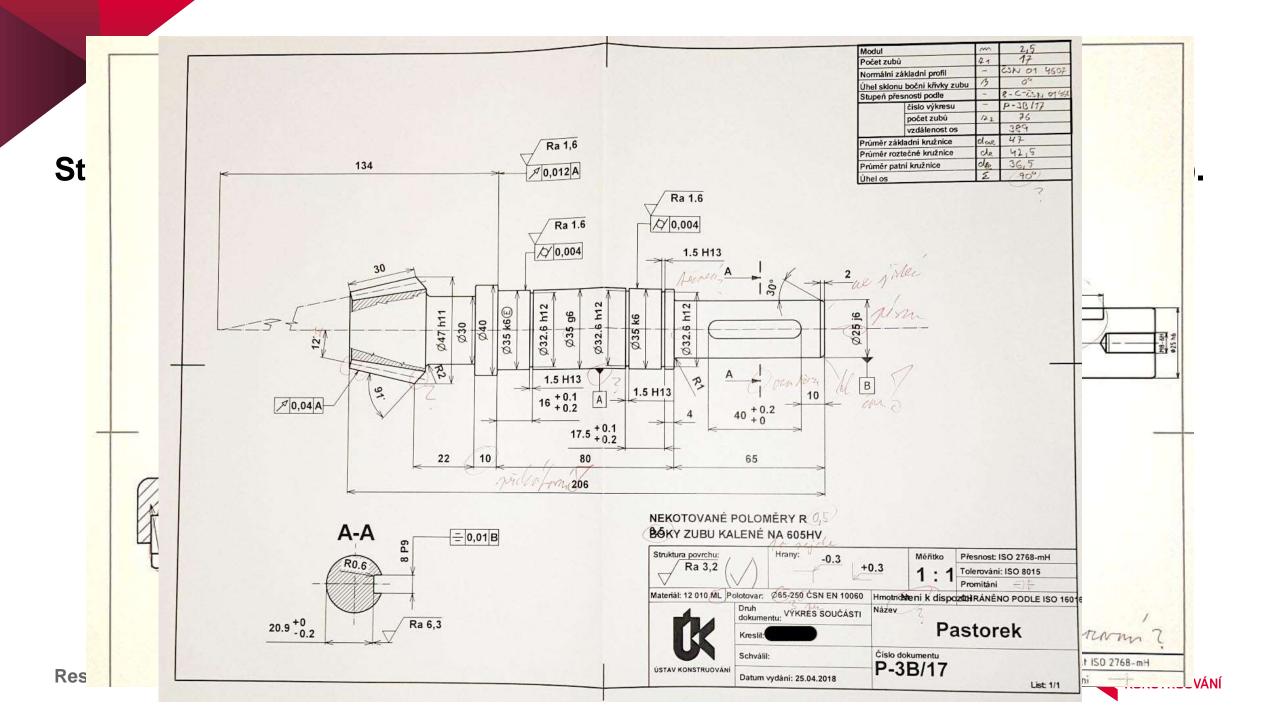
Leader of semestral projects.

Supervising diploma and bachelor thesis







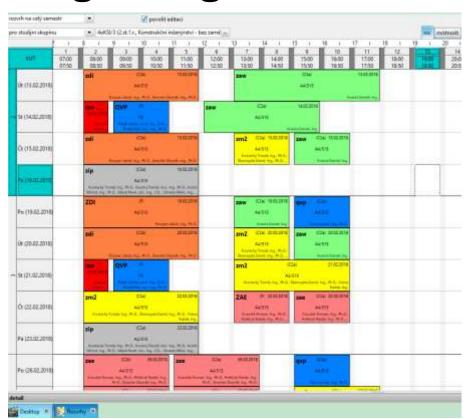


Coordination

Coordination of courses in 4th and 5th year of master degree study – Mechanical Engineering Design branch

Tasks:

- preparing financial budget
- organization of the timetable
- organization of the project oriented courses
- babysitting (students and teachers alike ©)





Coordination

"Speed has never killed anyone, suddenly becoming stationary... that's what gets you."

— Jeremy Clarkson



Thanks for attention

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www.ustavkonstruovani.cz