

DOCTORAL SEMINAR

24th May 2022

István Sályi Doctoral School of Mechanical Engineering Sciences

Section of Basic Engineering Sciences;

Section Design of Machines and Structures;

Section Engineering Material Science, Production Systems and Processes

Venue: A/3 115 Institute of Machine and Product Design

Chairman of the Section: Prof. Dr. Gabriella Vadászné Bognár

- 8⁰⁰ **József Balázs Kriston** (supervisor: Dr. Károly Jálics)
Failure analysis of a motor vehicle with acoustic measurements
- 8¹² **Dávid Matusz-Kalász** (supervisor: Dr. István Bodnár)
Monitoring and diagnostics of photovoltaic cells by
electroluminescence
- 8²⁴ **Róbert Lipták** (supervisor: Dr. István Bodnár)
Effect of PV systems on the behavior of harmonic components in low
voltage network
- 8³⁶ **Iyad Fawzi Yousef Al-Najjar** (supervisor: Dr. Károly Jálics,
co-sup.: Dr. László Kollár)
Vibration Analysis of Wind turbine Blades with Simplified Analytical
Modells and with Experiments
- 8⁴⁸ **Mohsen Khalili Najafabadi** (supervisor: Vadászné Prof. Dr. Bognár Gabriella,
co-sup.: Dr. Krisztián Hriczó)
Simulation of Nanofluid Flow Focused on Oil-based Hybrid Nanofluids
- 9⁰⁰ **Okhunjon Sayfidinov** (supervisor: Vadászné Prof. Dr. Bognár Gabriella)
Explicit Methods for Kardar-Parisi-Zhang equation in 1-dimension
- 9¹² **Raid Fekhreddine Meknassi** (supervisor: Dr. Zsolt Lukács)
Strain measurement for plane-strain tensile test
- 9²⁴ **Mohammad Alzghoul** (supervisor: Dr. Ferenc Sarka,
co-sup.: Dr. Ferenc János Szabó)
Simplified Spindle System Optimization in Terms of Natural
Frequencies values
- 9³⁶ **Pálma Kapitány** (supervisor: Dr. Tamás Szabó)
Analysis of model of electromechanical system
- 9⁴⁸ **Hasan Nazha** (supervisor: Dr. Szabolcs Szávai)
The design development of the articulated dynamic ankle-foot orthosis

BREAK

- 10¹⁰ **Al-Hamzawi Mortda Mohammed** (supervisor: Dr. Szabolcs Szávai)
Optimization of a composite sandwich structures
- 10²² **Sulaiman Mustafa Al-Timmimi** (supervisor: Dr. Szabolcs Szávai)
Tribological Behavior of Hybrid Metal Matrix composite Based Iron-
Al₂O₃-ZrO₂ Reinforced with Nano particles of MoS₂ and Gr
- 10³⁴ **Tamás Bence Venczel** (supervisor: Dr. Krisztián Hriczó,
co-sup.: Dr. László Berényi)
Project and Risk Management Challenges of Startups
- 10⁴⁶ **Mustafa Moayad Hasan** (supervisor: Dr. Krisztián Hriczó)
Heating a Greenhouse by a Solar Air Heater
- 10⁵⁸ **Abderrazek Messaoudi** (supervisor: Dr. László Péter Kiss)
Vibration and stability of axially loaded beams
- 11¹⁰ **Wallyson Thomas Alves da Silva** (supervisor: Dr. László Péter Kiss)
Analytical model for a clamping system of an internal turning tool
- 11²² **Sahm Alden Anis Mohammad Abd Al Al** (supervisor: Dr. Marcell Gyula
Gáspár, co-sup.: Dr. Ákos Meilinger)
Influence of Welding Parameters on Resistance Spot Welded Dissimilar
DP600/MS1400 Steel Joints
- 11³⁴ **Tesfom Kebede Frezgi** (supervisor: Dr. Csaba Felhő)
Study on effect of burnishing force on surface roughness
- 11⁴⁶ **Mehdiyev Ziya** (supervisor: Dr. Csaba Felhő)
Additive Manufacturing of Automobile Transmission System
Components (ONLINE Presentation)
- 11⁵⁸ **Afterword**