



10<sup>th</sup> International Scientific Conference

**IRMES 2022**

“Machine design in the context of  
Industry 4.0 – Intelligent products”

26. May 2022, Belgrade, Serbia



## Invited Lectures<sup>1</sup>

### **DESIGN OF ROBOTIC SYSTEM FOR AUTOMATED ANIMAL HUSBANDRY AND GRAZING**

Milan Banić, Miloš Simonović, Aleksandar Miltenović

### **FATIGUE RESPONSES OF ADDITIVELY MANUFACTURED STEELS STUDIED WITHIN THE A-MADAM PROJECT**

Snežana Ćirić-Kostić, Nebojša Bogojević, Zlatan Šoškić

### **DESIGN PROCESS OF A FULLY ELECTRIC VACUUM SWEEPER**

Ile Mircheski

### **INNOVATIVE DESIGN SOLUTIONS OF GEAR TRANSMISSIONS FOR INDUSTRY 4.0**

Milan Rackov

### **FAMILY DEVELOPMENT PROCESS – „TYPIZATION” IN MACHINE DESIGN ON THE EXAMPLE OF CARDAN JOINTS**

Zoran Stamenić

### **THE INFLUENCE OF LUBRICANT VISCOSITY ON THE EFFICIENCY AND POWER LOSS OF THE WORM GEAR**

Blaža Stojanović, Lozica Ivanović

### **DIGITAL TRANSFORMATIONS IN MECHANICAL ENGINEERING, TRENDS IN EDUCATION IN THE FIELD OF MACHINE ELEMENTS AND SYSTEMS**

Milan Tica, Tihomir Mačkić

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<sup>1</sup> In alphabetical order