

Advanced Manufacturing Technologies



Full Name	Advisor / Co-adviser	Thesis Title	
Adolor Aiyeki	Svyatoslav Chugunov	Lunar Regolith as Perspective Engineering Material: From Fundamental Properties to Engineering Applications	
Damiano Pesce	Dmitriy Dzhurinskiy	Development of Coating Deposition Method to Prevent Metal Galling in Industrial Applications	
Amit Dev	Stanislav Evlashin	Delivery of Dissimilar Alloy Powders During Direct Energy Deposition: Numerical Study	
Artem Falman	Dmitry Kolomenskiy	Energy Resonance of Insect Flight Apparatus in Connection with the Structural Viscoelastic Properties	
Jane Beloozerova	Aleksandr Safonov	Durability Study on the Flexural Behavior of Thermoplastic Pultruded Composites Based on Polyamide	
Mohiuddin Emon	Aleksandr Safonov	Development of Pultrusion Process to Manufacture Bidirectional Thermoplastic Composite Material	
Akmaljon Ergashev	Aleksandr Safonov	Mechanical Behavior of Thermoplastic Pultruded Composites at Elevated Temperatures	
Sukhwant Pal	Aleksandr Safonov	Thermoplastic Pultrusion Based on Polyamide Resin	

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Farhan Arshad	Ivan Sergeichev / Yuriy Lyulin	Optimization of Laser 3D Printability of Copper Alloy to Manufacture Printed Circuit Heat Exchanger	
Abdullahi Bawa	Ivan Sergeichev / Alexander Safonov	Pultruded GF/PP Thermoplastic Rivets: Experimental Study and Simulation	
Kamal Hammad	Ivan Sergeichev	Dynamic Damage Analysis of Carbon Fiber Reinforced Polymer Composite Confinement Vessels	
Diana Roshka	Ivan Sergeichev / Alexander Safonov	Investigation of Samples of Polymer Composite Materials with Embedded Fiber-optic Sensors under Cryogenic Conditions	
Artem Zaitsev	Ivan Sergeichev	Effect of Basalt Fiber on the Energy Dissipating Properties of Rubberized Concrete under Low-cycle Fatigue Loading	