

The Faculty of Technology and Education carries out research projects under agreements with the National Science Centre:

PROJECT TITLE	PROJECT COORDINATOR	PROJECT TYPE	DURATION
Multicriteria optimization of gradient coatings due to anti-wear properties.	Adam Gilewicz, Ph.D	OPUS	2017-2019
Methods and procedures of selecting vibro-isolation properties of vibration reduction systems.	Prof. Tomasz Krzyżyński	OPUS	2014-2017
Optimization of device construction and deposition technology of ta-C coatings using Taguchi method of experiment design.	Viktor Zavaleyev, M.Sc.	PRELUDIUM	2014-2015
New, advanced composite wear-resistant coatings on austenitic steel.	Prof. Witold Gulbiński	OPUS	2012-2015
Investigations of stresses states evolution in multilayer protective coatings deposited via PVD method.	Łukasz Szparaga, Ph.D.	PRELUDIUM	2012-2014
Modification of diamond powder in rotational chamber of plasma-chemical reactor.	Przemysław Ceynowa, M.Sc.	PRELUDIUM	2012-2014
Research on hybrid electromagnetic positioning device.	Prof. Tomasz Krzyżyński	SUPERVISOR'S RESEARCH GRANT	2009-2011
Optimization of the acoustic properties of a closed room considered in the low frequency range.	Prof. Tomasz Krzyżyński	SUPERVISOR'S RESEARCH GRANT	2009-2011
Thick modified carbon coatings for applications in tribological systems.	Prof. Andrzej Czyżniewski	APPLIED RESEARCH	2008-2011
Development of control module of gas nitriding process based on complementary interaction with mathematical model and the magnetic sensor readings registering layer nucleation and growth.	Prof. Jerzy Ratajski	SUPERVISOR'S RESEARCH GRANT	2009-2010
Research into the effectiveness of pneumatic vibro-isolation systems used	Prof. Tomasz		

<p>vibro-isolation systems used to protect industrial and construction machinery operators from vibrations. Multi-objective optimization of the design and control of the electromagnetic linear launcher applied to high-performance, gearless linear actuator with the working tool.</p>	<p>Prof. Tomasz Krzyżyński</p>	<p>APPLIED RESEARCH</p>	<p>2008-2010</p>
<p>Accelerometric method of monitoring of ball joints in vehicles front suspension plays on their traction properties.</p>	<p>Prof. Wojciech Tarnowski</p>	<p>SUPERVISOR'S RESEARCH GRANT</p>	<p>2008-2010</p>
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