

The Competition for the Best Dissertation Defended in 2017

Final results Best 5 dissertations defended in 2017

Economics and Finance

- Dominik Kudyba
- Jerzy Bar
- Maciej Pichura
- Martin Hodula

Category 1: Economics and finance

1 st	Dominik Kudyba
2 nd	Martin Hodula
3 rd	Jerzy Bar

Raw materials, energy and the environment

- Anna Klegova
- Katarzyna Suchodolska
- Piotr Ciuman
- Zuzana Mrázková

Category 2: Raw materials, energy and the environment

1 st	Zuzana Mrázková
2 nd	Katarzyna Suchodolska
3 rd	Anna Klegova

Health and Applications in Healthcare

- František Tomeček
- Mateusz Stolarz
- Natalya Kraeva
- Tomasz Moroń

Category 3: Health and applications in healthcare

1 st	František Tomeček
2 nd	Mateusz Stolarz Natalya Kraeva
3 rd	Tomasz Moroń

Information Technology and Electrical Engineering

- Agnieszka Jakubowska-Ciszek
- Jan Zapletal
- Miralem Mehić
- Wojciech Lubicki
- Krystian Radlak
- Paweł Popielski

Category 4: Information Technology and Electrical Engineering

1 st	Jan Zapletal
2 nd	Miralem Mehić
3 rd	Paweł Popielski

Competitive Engineering and Materials Research

- Karolina Dudek
- Michał Krbała
- Witold Ogierman

Category 5: Competitive Engineering and Materials Research

1 st	Karolina Dudek
2 nd	Witold Ogierman
3 rd	Michał Krbała

Final results

- **Category: Economics and finance**

1st - Dominik Kudyba – Electricity demand modelling in market liberalization conditions

2nd - Martin Hodula - Monetary and fiscal policy implications for financial stability

3rd - Jerzy Bar – The management model of a family business taking its life cycle into account

- **Category: Raw materials, energy and the environment**

1st - Zuzana Mrázková - Modeling and characterization of materials and nanostructures for photovoltaic applications

2nd - Katarzyna Suchodolska - The assessment of potential and models of geological storage processes of acid gases (CO₂, H₂S) in aquifers of Upper Silesian Coal Basin

3rd - Anna Klegova - Supported shaped catalysts based on cobalt mixed oxides for N₂O decomposition

- **Category: Health and applications in healthcare**

1st - František Tomeček - Arrangement for hypothermia application

2nd - Mateusz Stolarz - Quantitative and qualitative assessment of the microstructure of femoral and tibial epiphysis elements used for anterior cruciate ligament reconstruction

- **Natalya Kraeva** - Analysis of genetic differences between monoxenous and dixenous Leishmaniinae for identification of novel virulence factors

3rd - Tomasz Moroń - The application of dynamic nonlinear alignment in processing biomedical signals

- **Category: Information Technology and Electrical Engineering**

1st - Jan Zapletal – The Boundary Element Method for Shape Optimization in 3D

2nd - Miralem Mehić - Using Quantum Key Distribution for Securing Real-Time Applications

3rd - Paweł Popielski - Finding Correspondence of Characteristic Points in Stereovision Images

- **Category: Competitive Engineering and Materials Research**

1st - Karolina Dudek - Structure and characteristics of multifunctional layers on the NiTi shape memory alloy

2nd - Witold Ogierman - Homogenization of heterogenous materials with consideration of anisotropy and nonlinear constitutive behaviour

3rd - Michal Krbaťa - The impact of plasma nitridation on selected surface properties