

The Competition for the Best Dissertation Defended in 2019

Economics, Finance and Management

- Anna Mercik
- Jiří Gregor
- Martin Čech
- Nikoleta Muthová
- Sasan Barak
- Gabriela Hanus
- Marlena Smuda-Kocoń
- Michaela Horúcková
- Patrik Ferenc

Category 1: Economics, Finance and Management

1 st	Sasan Barak
2 nd	Marlena Smuda-Kocoń
3 rd	Jiří Gregor

Final results
Best 5 dissertations defended
in 2019

Raw materials, Energy and the Environment

- Agnieszka Korus
- Karolina Petela
- Lukáš Žižka
- Aleksandra Piszczek
- Krzysztof Zowada
- Paweł Bargiel

Category 2: Raw materials, Energy and the Environment

1 st	Karolina Petela
2 nd	Agnieszka Korus
3 rd	Paweł Bargiel

Health and Applications in Healthcare

- Anna Papież
- Jakub Šichnársek
- Radana Kahánková
- Jakub Doležel
- Jaroslav Lux
- Zuzanna Miodońska

Category 3: Health and Applications in Healthcare

1 st	Radana Kahánková
2 nd	Anna Papież
3 rd	Jakub Šichnársek

Information Technology and Electrical Engineering

- Bartłomiej Melka
- Ján Rabčan
- Krystian Frania
- Petr Lukáš
- Thi Hong Nhung Cao
- Hoang-Sy Nguyen
- Joanna Świętoniowska
- Lenka Štěpničková
- Sebastian Porębski

Category 4: Information Technology and Electrical Engineering

1 st	Petr Lukáš
2 nd	Sebastian Porębski
3 rd	Ján Rabčan

Competitive Engineering and Materials Research

- Anna Urbańczyk-Gucwa
- Magdalena Antonowicz
- Magdalena Szklarska
- Michal Jambor
- Barbara Adamczyk
- Robin Silber
- Marek Matussek
- Sonia Kotowicz

Category 5: Competitive Engineering and Materials Research

1 st	Michal Jambor
2 nd	Magdalena Szklarska
3 rd	Anna Urbańczyk-Gucwa

Final results

- **Category: Economics and finance**

1st - Sasan Barak - Technical and Fundamental Features analysis for Stock Market Prediction with Data Mining Methods

2nd - Marlena Smuda-Kocoń - The management of bank intellectual capital by means of causal models

3rd - Jiří Gregor - Interest rate pass-through: A synthesis of empirical analyses

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

1st - Karolina Petela - Analysis of solar energy application into hybrid heat nodes

2nd - Agnieszka Korus - Investigation of tar conversion over biomass char

3rd - Paweł Bargiel - The modeling of Ranque-Hilsch effect for gas expansion in the vortex tube

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

1st - Radana Kahánková - Advanced Signal Processing Methods for Non-invasive Fetal Electrocardiogram Extraction

2nd - Anna Papież - Integrative data analysis methods in multi-omics molecular biology studies for disease of affluence biomarker research

3rd - Jakub Šichnársek - Comparison of video Head Impulse Test with caloric examination for examination of vestibular system

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

1st - Petr Lukáš - Structural XML Query Processing

2nd - Sebastian Porębski - Medical diagnosis support based on fuzzy if-then rules

3rd - Ján Rabčan - Reliability analysis of systems based on uncertain data

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

1st - Michal Jambor - Characterization of the precipitation processes in the modern Al-Li alloys

2nd - Magdalena Szklarska - *Coatings based on natural polymers on Ti15Mo alloy for medical applications*

3rd - Anna Urbańczyk-Gucwa - Influence of second phase participates on refinement structure of CuFe₂ and CuCr_{0.6} alloys after deformation by SPD methods