

| Economics and finance |  |
|-----------------------|--|
| František Zapletal    |  |
| Michaela Staničková   |  |
| Michal Stoklasa       |  |
| Karolina Mucha-Kuś    |  |

### Results in section

|     |                           |
|-----|---------------------------|
| 1st | <b>František Zapletal</b> |
| 2nd | Karolina Mucha-Kuś        |
| 3rd | Michal Stoklasa           |

| Raw materials, energy, health and the environment |  |
|---|--|
| Veronika Sassmanová                               |  |
| Dalibor Surovka                                   |  |
| Kateřina Rudincová                                |  |
| Ján Ivanecký                                      |  |
| Lucyna Czarnowska                                 |  |
| Wojciech Adamczyk                                 |  |

|     |                            |
|-----|----------------------------|
| 1st | <b>Veronika Sassmanová</b> |
| 2nd | Wojciech Adamczyk          |
| 3rd | Lucyna Czarnowska          |

| Information Technology |  |
|------------------------|--|
| Stanislav Böhm         |  |
| Jiří Bartoš            |  |
| Michal Gregor          |  |
| Milan Frátrik          |  |
| Tomasz Jach            |  |
| Diana Domańska         |  |

### Results in section

|     |                       |
|-----|-----------------------|
| 1st | <b>Stanislav Böhm</b> |
| 2nd | Tomasz Jach           |
| 3rd | Milan Frátrik         |

| Competitive Engineering, Materials Research |  |
|---|--|
| Lukáš Halagačka                             |  |
| Daniel Polák                                |  |
| Libor Trško                                 |  |
| Marián Mičúch                               |  |
| Dariusz Lukowiec                            |  |
| Malgorzata Czaja                            |  |
| Mateusz Dulski                              |  |

### Results in section

|     |                    |
|-----|--------------------|
| 1st | <b>Libor Trško</b> |
| 2nd | Lukáš Halagačka    |
| 3rd | Mateusz Dulski     |

## Final Overall Results

### Best Dissertation Thesis

|          |                     |
|----------|---------------------|
| 1st Best | <b>Libor Trško</b>  |
| 2nd      | Stanislav Böhm      |
| 3rd      | Veronika Sassmanová |
| 4th      | František Zapletal  |

## Results in sections

- **Economics and finance**

**1st - František Zapletal** - Design and verification of the optimization economic-ecological model for a steel company under uncertainty

**2nd - Karolina Mucha-Kuś** - Competition on the electricity balancing market

**3rd - Michal Stoklasa** - Cross-cultural marketing view on the utilization of regional product labelling

- **Raw materials, energy, health and the environment**

**1st - Veronika Sassmanová** - Possibilities of Utilization of Pyrolysis process in the Certain Materials Unit

**2nd - Wojciech Adamczyk** - Modeling of the Oxy-fuel Combustion Process within the Circulating Fluidized Bed

**3rd - Lucyna Czarnowska** - Thermo-ecological cost of selected products with emphasis on external environmental costs

- **Information Technology**

**1st - Stanislav Böhm** - Unifying framework for development of message-passing applications

**2nd - Tomasz Jach** - Optimisation of inference in decision support systems with incomplete knowledge

**3rd - Milan Frátrik** - Modeling of massive memristive networks

- **Competitive Engineering, Materials Research**

**1st - Libor Trško** - Gigacycle fatigue properties of materials with nanostructured surface obtained by severe shot peening

**2nd - Lukáš Halagačka** - Theoretical and experimental study of novel integrated magnetoplasmonic nanostructures

**3rd - Mateusz Dulski** - The study of physicochemical properties of rare Ca-rich minerals with Cl and F ions inside structural cages

## Final Overall Results

**1st - Libor Trško** - Gigacycle fatigue properties of materials with nanostructured surface obtained by severe shot peening

**2nd - Stanislav Böhm** - Unifying framework for development of message-passing applications

**3rd - Veronika Sassmanová** - Possibilities of Utilization of Pyrolysis process in the Certain Materials Unit

**4th - František Zapletal** - Design and verification of the optimization economic-ecological model for a steel company under uncertainty

## A list of all dissertations

- **Economics and finance**

*VŠB - Technical University of Ostrava*

**František Zapletal** - Design and verification of the optimization economic-ecological model for a steel company under uncertainty

**Michaela Staníčková** - Evaluation of the EU member states competitiveness through data envelopment analysis method

*Silesian University in Opava*

**Michal Stoklasa** - Cross-cultural marketing view on the utilization of regional product labelling

*University of Economics in Katowice*

**Karolina Mucha-Kuś** - Competition on the electricity balancing market

- **Raw materials, energy, health and the environment**

*VŠB - Technical University of Ostrava*

**Veronika Sassmanová** - Possibilities of Utilization of Pyrolysis process in the Certain Materials Unit

**Dalibor Surovka** - Application of Low-Cost Sorbents for Removing Sulphates and Selected Metals from Water Matrix

*University of Ostrava*

**Kateřina Rudincová** - The Right to Self-Determination of Nations vs. Principle Uti Possidetis: A Comparative Study of South Sudan and Somaliland

*University of Žilina*

**Ján Ivanecký** - Autonómne riadenie distribuovanej výroby OZE

*Silesian University of Technology*

**Lucyna Czarnowska** - Thermo-ecological cost of selected products with emphasis on external environmental costs

**Wojciech Adamczyk** - Modeling of the Oxy-fuel Combustion Process within the Circulating Fluidized Bed

- **Information Technology**

*VŠB - Technical University of Ostrava*

**Stanislav Böhm** - Unifying framework for development of message-passing applications

*University of Ostrava*

**Jiří Bartoš** - IT/IS security management with uncertain information

*University of Žilina*

**Michal Gregor** - Control system of an autonomous robot for solving multi-objective tasks

**Milan Frátrik** - Modeling of massive memristive networks

*University of Silesia in Katowice*

**Tomasz Jach** - Optimisation of inference in decision support systems with incomplete knowledge

**Diana Domańska** - Explorative forecasting of multidimensional data

- **Competitive Engineering, Materials Research**

*VŠB - Technical University of Ostrava*

**Lukáš Halagačka** - Theoretical and experimental study of novel integrated magnetoplasmonic nanostructures

**Daniel Polák** - Modular Conception of service robots

*University of Žilina*

**Libor Trško** - Gigacycle fatigue properties of materials with nanostructured surface obtained by severe shot peening

**Marián Mičúch** - Influence of Cutting fluid on surface integrity of bearing steel after grinding

*Silesian University of Technology*

**Dariusz Lukowiec** - Structure and properties of nanocomposites composed of carbon nanotubes coated with platinum nanoparticles

**Malgorzata Czaja** - Mechanisms which counteract cracking the austenitic X11MnSiAl17-1-3 steel under conditions of dynamic cold plastic deformation

*University of Silesia in Katowice*

**Mateusz Dulski** - The study of physicochemical properties of rare Ca-rich minerals with Cl and F ions inside structural cages