

# PROGRAMME



UNIVERSITY OF ECONOMICS IN BRATISLAVA  
FACULTY OF ECONOMIC INFORMATICS



## 25<sup>th</sup> Slovak-Polish-Ukrainian Scientific Seminar

*Quantitative Methods*

*in Socio-Economic Research – Theory and Applications*

Bratislava, 10<sup>th</sup> – 12<sup>th</sup> October, 2018



9<sup>th</sup> October (Tuesday)

**Afternoon** | Registration of participants

**19:00** | Dinner

10<sup>th</sup> October (Wednesday)

**8:15** | Breakfast

Opening Ceremony:

**9:15**

**Mária Vojtková**, Head of Department of Statistics, University of Economics in Bratislava

**Ivan Brezina**, Dean of Faculty of Economic Informatics

### The First Session:

#### *Efficiency Measures of Educational and Scientific Systems*

Chairperson: Paweł Ulman (Cracow University of Economics)

**9:30-10:00**

Eva Sodomová (University of Economics in Bratislava)

25<sup>th</sup> ANNIVERSARY OF THE SLOVAK-POLISH-UKRAINIAN SCIENTIFIC SEMINARS (IN PHOTOS)

Discussion

**10:00-10:30**

Józef Pociecha (Cracow University of Economics)

STATISTICS AS A WAY TO KNOW THE TRUTH

Discussion

**10:30-11:00**

Igor Mantsurov (Kyiv National Economic University named after Vadym Hetman)

STATISTICAL EVALUATION OF THE INCLUSIVE GROWTH AND DEVELOPMENT OF UKRAINE

Discussion

**11:00-11:30**

Coffee break

#### Note

the authors are requested to present their papers in 20 minutes and leave 10 minutes for discussion.



### The Second Session:

#### *Demographic Analysis Methods*

Chairperson: Mária Vojtková (University of Economics in Bratislava)

**11:30-12:00**

Artur Lipieta (Cracow University of Economics)

*ANALYSIS OF LIVING STANDARDS OF THE POPULATION OF THE VISEGRAD GROUP*

Discussion

**12:00-12:30**

Zoya Baranyk - Olha Babieieva (Kyiv National Economic University named after Vadym Hetman)

*STATISTICAL EVALUATION OF THE LABOR POTENTIAL INNOVATIVE DEVELOPMENT*

Discussion

**13:00**

Lunch

### The Third Session:

#### *Statistical Methods for Socio-Economic Analysis I*

Chairperson: Józef Pociecha (Cracow University of Economics)

**14:30-15:00**

Agnieszka Wałęga - Grzegorz Wałęga (Cracow University of Economics)

*PROBLEM OF OVER-INDEBTEDNESS IN POLAND: RESULTS OF OWN SURVEY*

Discussion

**15:00-15:30**

Barbara Pawełek (Cracow University of Economics)

*EXTREME GRADIENT BOOSTING METHOD IN PREDICTION OF COMPANY BANKRUPTCY*

Discussion

**16:00**

Excursion with dinner (Modra)

11<sup>th</sup> October (Thursday)

8:30 | Breakfast

### The Fourth Session:

#### *Statistical Methods for Socio-Economic Analysis II*

Chairperson: Igor Mantsurov (Kyiv National Economic University named after Vadym Hetman)

9:30-10:00

Mária Vojtková (University of Economics in Bratislava)

*SPATIAL GROUPING OF EU COUNTRIES ACCORDING TO THE CONCEPTS OF MATERIAL DEPRIVATION*

Discussion

10:00-10:30

Sergij Dryha - Alisa Mantsurova (Kyiv National Economic University named after Vadym Hetman)

*STATISTICAL SUPPORT FOR THE ADMINISTRATIVE-TERRITORIAL POLICY OF UKRAINE DEVELOPMENT AND IMPLEMENTATION*

Discussion

10:30-11:00

Paweł Ulman (Cracow University of Economics)

*THE SOCIO-ECONOMIC SITUATION OF THE POPULATION IN THE VISEGRAD AND THE V4 COUNTRIES*

Discussion

11:00-11:30

Erik Šoltés (University of Economics in Bratislava)

*INCOME POVERTY AND SOCIAL EXCLUSION OF SLOVAK HOUSEHOLDS IN RELATIONSHIP TO RELEVANT FACTORS*

Discussion

11:30 | Lunch

12:30 | Excursion (Bratislava)

19:00 | Ceremonial dinner



**12<sup>th</sup> October** (Friday)

**8:30** | Breakfast

**The Fifth Session:**  
***Quantitative Methods***

Chairperson: Erik Šoltés (University of Economics in Bratislava)

**9:30-10:00**

Yana Khrapunova (Kyiv National Economic University named after Vadym Hetman)

*UKRAINE IN THE INTERNATIONAL BENCHMARK OF FRAUD AND ERROR IN SOCIAL SECURITY SYSTEMS*

Discussion

**10:00-10:30**

Sabina Denkowska - Kamil Fijorek (Cracow University of Economics)

*MONTE CARLO ANALYSIS OF BOOTSTRAP PANEL GRANGER CAUSALITY TEST*

Discussion

**10:30-11:00**

Michał Major (Cracow University of Economics)

*MULTIDIMENSIONAL BINARY EVALUATION OF PRODUCT QUALITY IN THE LIGHT OF SIX-SIGMA THEORY*

Discussion

**11:00-11:30**

Viera Labudová (University of Economics in Bratislava)

*HOUSING AFFORDABILITY IN THE EUROPEAN UNION AND IN SLOVAKIA*

**12:00**

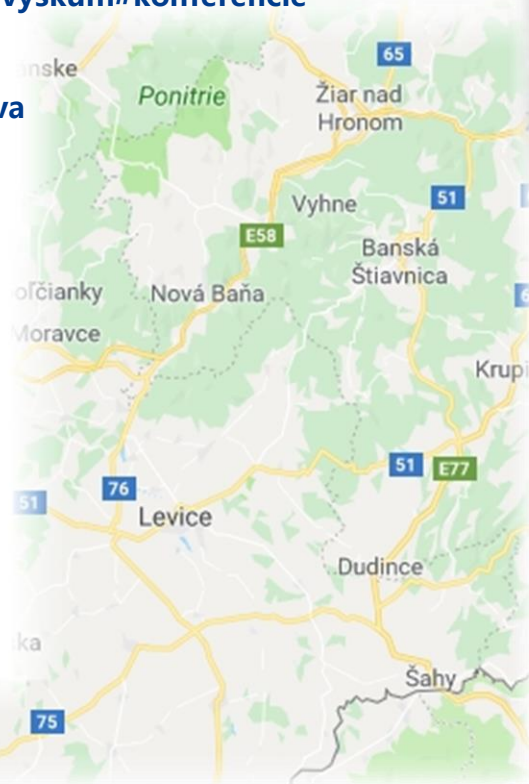
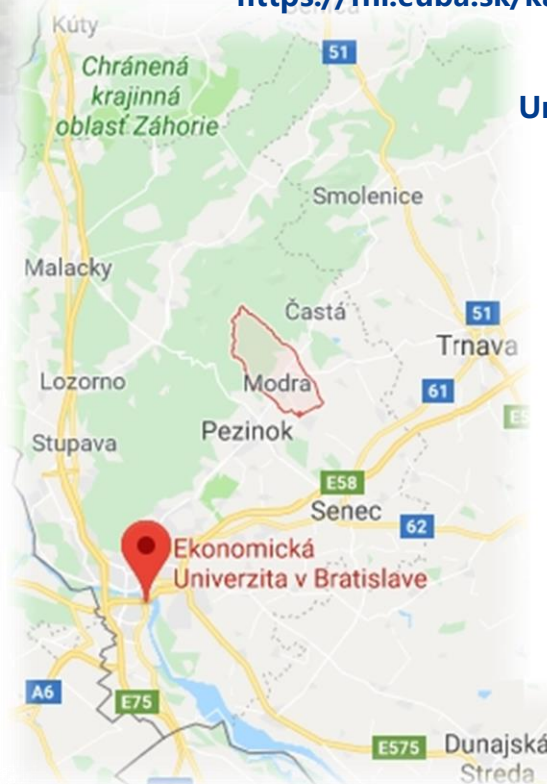
Closing Ceremony. Lunch.

**Bratislava, 10<sup>th</sup> – 12<sup>th</sup> October, 2018**



<https://fhi.euba.sk/katedry/katedra-statistiky/veda-a-vyskum#konferencie>

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**PARTNERS OF CONFERENCE**

**SSH I**

**sas**

**THE  
POWER  
TO KNOW.**

