



CRACOW  
UNIVERSITY  
OF ECONOMICS

## 21<sup>st</sup> Polish-Slovak-Ukrainian Scientific Seminar

*Quantitative Methods for the Analysis of Economic and Social  
Consequences of Transition Processes in Central-East  
European Countries*

Szczawnica, 21<sup>st</sup> – 24<sup>th</sup> October, 2014

### PROGRAMME

#### October 21<sup>st</sup> (Tuesday)

Afternoon | Registration of participants

19:00 | Dinner

#### October 22<sup>nd</sup> (Wednesday)

8:00 | Breakfast

9:00 | Opening Ceremony:  
*Prof. UEK dr hab. inż. Andrzej Chochół Rector Magnificus of the Cracow University  
of Economics*  
*Prof. dr hab. Józef Pociecha, Head of Department of Statistics, Cracow University  
of Economics*

#### **The First Session: *Efficiency Measures of Educational and Scientific Systems***

Chairperson: prof. dr hab. Józef Pociecha (Cracow University of Economics)

9:30–10:00 | Mgr Monika Hamerska, prof. UEK dr hab. Paweł Lula (Cracow University of Economics)  
*Modelling of Scientific Development Using Survival Analysis*  
Discussion

10:00–10:30 | Prof. dr Yuryi Kozlovskiy (Lviv Institute of Banking, University of Banking of the National  
Bank of Ukraine)  
*The Economics of Ukraine's Higher Education in the Context of Its Integration into  
the European Educational World*  
Discussion

10:30–11:00 | Prof. dr hab. Anatoliiy Pilyavskyy (Lviv Academy of Commerce)  
*Production Frontier Analysis: The State of the Arts*  
Discussion

11:00–11:30 | Coffee break

## **The Second Session: *Economic Investigations of Ukrainian Economy***

Chairperson: prof. UEK dr hab. Anna Malina (Cracow University of Economics)

11:30–12:00	Prof. dr. Igor Mantsurov (Scientific and Research Institute of Economics at the Ministry of Economic Development and Trade of Ukraine) <i>Constitutional and Institutional Changes in Ukraine as the Main Factor of the Post-War Successful Rehabilitation</i> Discussion
12:00–12:30	Prof. dr hab. Victor Shevchuk, mgr Oleksandra Lynnik (Lviv Academy of Commerce) <i>Public External Debt and Economic Growth in Ukraine</i> Discussion
12:30–13:00	Dr Roman Kopych (Ivan Franko Lviv National University), mgr Iryna Bardyn (Lviv Academy of Commerce) <i>Domestic and External Demand Shocks in Ukraine</i> Discussion
13:30	Lunch

## **The Third Session: *Demographic Analysis Methods***

Chairperson: prof. ing. Milan Terek (University of Economics in Bratislava)

14:30–15:00	Prof. UEK dr hab. Jolanta Kurkiewicz, dr Ewa Soja (Cracow University of Economics) <i>Ageing and Informal Support for the Elderly in Selected European Countries</i> Discussion
15:00–15:30	Doc. ing. Mária Vojtková, PhD., doc. ing. Eva Sodomová, PhD. (University of Economics in Bratislava) <i>Classification of EU-Countries According to Selected Indicators from the Field of Business Demography</i> Discussion
15:30–16:00	RNDr. Eva Kotlebova, PhD., ing. Ivan Laska (University of Economics in Bratislava) <i>Using the Bayesian Statistics in Enterprises' Demography</i> Discussion
16:00–16:30	Coffee break
16:30 – 17:00	Prof. dr Anatoliy Podgornyy, doc. dr Catherina Vitkovskaya (Odessa National University of Economics) <i>Methodological Aspects of the Calculation of the Life Potential of the Population on the Basis of Regional Mortality Tables</i> Discussion
17:00 – 17:30	Yana Khrapunova (Scientific and Research Institute of Economics at Ministry of Economic Development and Trade of Ukraine) <i>Theoretical Background and the Most Important Consequences of the Population Expansion in Ukraine</i> Discussion
18:00	Dinner

## October 23<sup>rd</sup> (Thursday)

8:00 | Breakfast

### **The Fourth Session: *Households Budgets Investigations***

Chairperson: prof. dr hab. Victor Shevchuk (Lviv Academy of Commerce)

9:00–9:30 | Doc. Mgr Erik Šoltés, PhD. (University of Economics in Bratislava)  
*Material Deprivation in Poland and Slovakia. Comparative Analysis*  
Discussion

9:30–10:00 | Prof. UEK dr hab. Paweł Ulman (Cracow University of Economics)  
*The Monetary and Non-Monetary Aspects of Poverty in Poland and Slovakia*  
Discussion

10:00–10:30 | Ing. Ondrej Dúžik (University of Economics in Bratislava)  
*Analysis of Dependence of the Relevant Factors on the Gross Money Income of Single Member Households in Slovakia*  
Discussion

10:30–11:00 | Dr Agnieszka Wałęga (Cracow University of Economics)  
*Statistical Analysis of Chosen Aspects of Using Free Time in Poland*  
Discussion

11:00–11:30 | Coffee break

### **The Fifth Session: *Labour Market and Business Statistics***

Chairperson: prof. dr Igor Mantsurov (Scientific and Research Institute of Economics at the Ministry of Economic Development and Trade of Ukraine)

11:30–12:00 | Prof. ing. Milan Terek, PhD., ing. mgr. Matúš Tibenský (University of Economics in Bratislava)  
*Outliers and Some Measures of Location in Analysis of Wages*  
Discussion

12:00–12:30 | Prof. dr Zoia P. Baranyk (Vadym Hetman Kyjiv National University of Economics)  
*Models of Balance of Labour Force in the Context of Professions*  
Discussion

12:30–13:00 | Doc. dr Sergey Vashchaiev (Vadym Hetman Kyiv National University of Economics)  
*Ukrainian Small-Scale Business Development Perspective in Present-Day Conditions of European Integration*  
Discussion

13:00 | Lunch

14:00 | Excursion to Czorsztyn-Niedzica (Pieniny Mountains)

19:00 | Ceremonial dinner

## October 24<sup>th</sup> (Friday)

8:00 | Breakfast

### **The Sixth Session: *Economic Analysis Methods***

Chairperson: doc. ing. Eva Sodomová, PhD. (University of Economics in Bratislava)

9:00–9:30 | Dr hab. Marcin Salamaga (Cracow University of Economics)  
*Some Remarks on the Exogeneity Testing of Variables in Foreign Trade Modelling. The Example of Visegrad Group Countries*  
Discussion

9:30–10:00 | Ing. Lubica Hurbánková, PhD. (University of Economics in Bratislava)  
*Analysis of Gross Domestic Product and Its Factors in Slovakia According to SK NACE Classification*  
Discussion

10:00–10:30 | Dr Katarzyna Frodyma (Cracow University of Economics)  
*How the Use of Renewable Energy Influence the Quality of the Natural Environment: the Case of Poland*  
Discussion

10:30–11:00 | Coffee break

### **The Seventh Session: *Statistical Methods for Socio-Economic Analysis***

Chairperson: prof. dr hab. Anatolij Pilyavskyy (Lviv Academy of Commerce)

11:00–11:30 | Dr Agnieszka Pasztyła (Cracow University of Economics)  
*Individual Choice Behaviour: Imperfect vs. Perfect Discriminations. A Probabilistic Approach*  
Discussion

11:30–12:00 | Dr Michał Major (Cracow University of Economics)  
*Acceptance Control Chords*  
Discussion

12:00–12:30 | RNDr. Daniela Sivašová, PhD. (University of Economics in Bratislava)  
*Problems of Roma Minority in Slovakia*  
Discussion

12:30 | Closing Ceremony

13:00 | Lunch

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