

**The Advanced Research Centre for Microeconomic and  
Macroeconomic Cybernetic Modeling – CIBEREC  
Department of Economic Informatics and Cybernetics  
Faculty of Economic Cybernetics, Statistics and Informatics  
The Bucharest University of Economic Studies**

**THE ELEVENTH INTERNATIONAL  
CONFERENCE ON ECONOMIC  
CYBERNETIC ANALYSIS:  
ECONOMIC AND SOCIAL EFFECTS IN  
THE BREXIT CONTEXT – BXT2016**



**November 4-5,  
Bucharest, Romania**

# CONFERENCE PROGRAM

## Friday, November, 4

Guests Reception 8<sup>00</sup>-9<sup>00</sup> – Virgil Madgearu Building, Room 2416

Opening session 9<sup>00</sup>-10<sup>00</sup>, Room 2416

Keynote speakers:

- ❖ PhD. Professor Marian DÂRDALĂ,  
Dean of the Faculty of Cybernetics, Statistics  
and Economic Informatics
- ❖ PhD. Professor Ion SMEUREANU,  
Vice-rector of The Bucharest University of Economic  
Studies
- ❖ PhD. Professor Ion PARTACHI, AES Moldova
- ❖ PhD. Professor Elisabeta JABA,  
„Al. I. Cuza” University of Iasi
- ❖ PhD. Professor Mihai Daniel ROMAN,  
Director of CIBEREC Excellence Research Centre

Coffee break – 10<sup>00</sup>-10<sup>30</sup>, 6<sup>th</sup> floor

Academic sessions-10<sup>30</sup>-13<sup>00</sup>

Lunch – 13<sup>00</sup>-14<sup>30</sup> Cihoski Building

Academic sessions – 14<sup>30</sup>-16<sup>30</sup>

Official dinner – 18<sup>30</sup> – Trattoria Don Vito

# **CONFERENCE SECTIONS**

**Friday, November 4**

**Section 1: RISK AND UNCERTAINTY INFLUENCE ON MARKETS AFTER BREXIT - Room 2621, 10,30-12,30**

**Section 2: MODELS OF SOCIAL AND ECONOMIC EVOLUTION IN BREXIT CONTEXT - Room 2416, 10,30-12,30**

**Section 3: MIGRATION AND DEMOGRAPHICS IN BREXIT SITUATION- Room 2013, 10,30-12,30**

**Section 4: FISCAL AND MONETARY POLICIES AFTER BREXIT - Room 2416, 14,30-16,30**

**Section 5: STUDYING BREXIT EFFECTS AT MICROECONOMIC LEVEL - Room 2621, 14,30-16,30**

**Saturday, November 5, Room 2416**

**WORKSHOP: ANALYZING BREXIT EFFECTS**  
09<sup>00</sup>-11<sup>00</sup>

# **SECTION 1: RISK AND UNCERTAINTY INFLUENCE ON MARKETS AFTER BREXIT**

**FRIDAY, November 4 , Room 2621**

**10,30 - 12,30**

**CHAIR: PhD. Professor Ion PARTACHI**  
**PhD. Professor Ana Michaela ANDREI**  
**Secretary: PhD. Lecturer Irina GEORGESCU**

## **1. Modelling Financial Imbalance**

*PhD. Professor Ion PARTACHI, PhD. Student Viorica RUSU  
The Academy of Economic Studies, Chisinau, Moldova*

## **2. Non Keynesian Effects: Investments Channel**

*PhD. Professor Ana Michaela ANDREI, PhD. Professor Angela  
GALUPA, PhD. Assistant Professor Sorina GRAMATOVICI, PhD.  
Lecturer Irina GEORGESCU,  
The Bucharest University of Economic Studies, Romania*

## **3. Some Considerations on Debt Defaltion Modelling**

*PhD. Professor Ana Michaela ANDREI, Student Andreea Gabriela  
CAPBUN, Student Valentin Robert FLOREA  
The Bucharest University of Economic Studies, Romania*

## **4. Operational risk quantification within Romanian Insurance Industry**

*PhD. Student Razvan TUDOR  
The Bucharest University of Economic Studies, Romania*

## **5. Methodological aspects regarding the usage of triangular nuanced numbers in the decisions making under uncertainty conditions**

*PhD. Ionel Ciprian ALECU, Senior Researcher (CP III)  
Romanian Academy, Iasi Branch - "Gh. Zane" Institute for  
Economic and Social Research*

## **SECTION 2: MODELS OF SOCIAL AND ECONOMIC EVOLUTION IN BREXIT CONTEXT**

**FRIDAY, November 4 , Room 2416**

**10,30 - 12,30**

**CHAIRMAN: Professor Nora CHIRIȚĂ, PhD.**

**Secretary: Lecturer Camelia DELCEA PhD.**

### **1. The importance of mathematical modeling in the emergency medical system**

*PhD. Professor Nora CHIRITA, PhD Student Ionut NICA, Laura Adriana BADITOIU, Daniel Dumitru BADITOIU  
The Bucharest University of Economic Studies, Romania*

### **2. Facebook and Cyber-security for 800 Millions User**

*Anca VOCHESCU, PhD Assistant Ioana BRADEA, PhD. Lecturer Camelia DELCEA  
The Bucharest University of Economic Studies, Romania*

### **3. Predictive modeling based on massive data: Using bigger data leads to better understanding ?**

*PhD. Professor Nora CHIRITA, PhD Student Andrada BARBUL  
The Bucharest University of Economic Studies, Romania*

### **4. Determinant factors of Government Deficit or Surplus in Euro area**

*PhD Student Gabriela TUCHILUS, PhD Student Georgiana ROSU  
The Bucharest University of Economic Studies, Romania*

### **5. Is Romania ready for a woman president? A statistical – territorial approach of the results of the presidential elections in 2014**

*PhD Professor Elisabeta JABA, PhD Assistant Ioan Bogdan ROBU  
“Al.I. Cuza” University of Iasi, Romania*

## **6. Attitudes and opinions of Romanians from UK about BREXIT**

*PhD Professor Assistant Silvia SUMEDREA, PhD Professor Assistant  
Dana BOSCOR*

*Transilvania University, Romania*

## **SECTION 3: MIGRATION AND DEMOGRAPHICS IN BREXIT SITUATION**

**FRIDAY, November 4 , Room 2013**

**10,30 - 12,30**

**CHAIRMAN: PhD. Professor Assistant Daniela  
MARINESCU**

**Secretary: PhD. Profesoor Assistant Ioana MANAFI**

### **1. The Challenge of Population Ageing on Labor Markets**

*PhD Professor Laura ASANDULUI, PhD. Professor Ileana ARON-  
NICULESCU*

*"Al. I. Cuza" University from Iasi,*

*The Bucharest University of Economic Studies, Romania*

### **2. Fairy-tale gone bad: The upcoming (expected) effects of BREXIT on UK's migration of healthcare related workforce**

*PhD Student Cristina IONITA, PhD. Irina CROITORU*

*Romanian Academy - "Gh. Zane" Institute of Economic and  
Social Research, Iasi, Romania*

*"Gr. T. Popa" University of Medicine and Pharmacy from Iasi,  
Romania*

### **3. Population ageing: economic effects on pension systems and policy recommendation**

*PhD. Professor Assistant Daniela MARINESCU, PhD. Profesoor  
Assistant Ioana MANAFI*

*The Bucharest University of Economic Studies, Romania*

### **4. Factors affecting mobility in Europe**

*PhD. Profesoor Assistant Ioana MANAFI, PhD. Professor  
Assistant Daniela MARINESCU*

*The Bucharest University of Economic Studies, Romania*

### **5. Romanian migration to the UK before BREXIT**

*PhD Professor Monica ROMAN, PhD Student Iris ALEXE*

*The Bucharest University of Economic Studies, Romania*

## **SECTION 4: FISCAL AND MONETARY POLICIES AFTER BREXIT**

**FRIDAY, November 4 , Room 2416**

**14,30-16,30**

**CHAIRMAN: PhD. Professor Mihai ROMAN**

**Secretary: PhD. Student Diana Mihaela STANCULESCU**

### **1. Economic Development and Political Cycles in Romania**

*PhD Student Giorgiana BRATU*

*The Bucharest University of Economics, Romania*

### **2. Effects of fiscal and monetary policies during the economic recession**

*PhD Student Orkhan MAMMADOV*

*The Bucharest University of Economics, Romania*

### **3. Rationality in Survey Based Inflation Expectations**

*PhD Student Raluca Elena POP*

*The Bucharest University of Economics, Romania*

### **4. Terrorism and its economic consequences**

*PhD Student Diana Mihaela STANCULESCU*

*The Bucharest University of Economics, Romania*

### **5. Determinant factors of Inflation in Romania**

*PhD Professor Mihai Daniel ROMAN*

*The Bucharest University of Economic Studies, Romania*

### **6. Influence of fiscal and monetary policies on consumption in Romania**

*PhD Professor Mihai Daniel ROMAN*

*The Bucharest University of Economic Studies, Romania*



## **SECTION 5: STUDYING BREXIT EFFECTS AT MICROECONOMIC LEVEL**

**FRIDAY, November 4 , Room 2621**

**14,30-16,30**

**CHAIRMAN: PhD. Professor Stelian STANCU**

**Secretary: PhD. Lecturer Madalina POPESCU**

**1. Modeling the main two important stock market indices for the Tokyo Stock Exchange (NIKKEI 225 Index and TOPIX Index) using Asymmetric GARCH Models: EGARCH, TARCH and PARCH**

*PdH Student Andreea PETRICA, PhD Professor Stelian STANCU, PhD Student Virgil GHITULESCU, PhD Assistant Oana Madalina POPESCU  
The Bucharest University of Economic Studies, Romania*

**2. Modelling the impact of psychological factors on behavior companies**

*PhD Student Virgil GHITULESCU, , PhD Professor Stelian STANCU, PdH Student Andreea PETRICA, PhD Student Alina NEAMTU  
(IDORASI)*

*The Bucharest University of Economic Studies, Romania*

**3. Analysis of social and ecological efficiency in the European context: A data envelopment analysis**

*PhD. Professor Assistant Anamaria ALDEA, PhD Student Levida BESIR  
The Bucharest University of Economic Studies, Romania*

**4. Analysing economic sector outputs based on production functions – The case of Romanian medium sized firms**

*PhD Lecturer Madalina POPESCU, Senior Researcher PhD. Nicolae CATANICIU, PhD. Student Ion-Petru POPESCU*

*The Bucharest University of Economic Studies, Romania*

*The National Scientific Research Institute for Labour and Social Protection*

*The Bucharest University of Economic Studies, Romania*

**5. Behavior secular vs religious behavior at the micro level**

*PhD Professor Stelian STANCU, PhD Assistant Oana Madalina POPESCU, PhD Student Alina NEAMTU (IDORASI),  
The Bucharest University of Economic Studies, Romania*

**6. Investment and comparative advantage in the inner of EU market**

*PhD Associate Professor Dragos HURU  
The Bucharest University of Economic Studies, Romania*

**SATURDAY, NOVEMBER 5**

**ANALYZING BREXIT EFFECTS**

**09,00- 11,00 Room 2416**

**Chairman: PhD. Professor Mihai Daniel ROMAN**

**Secretary: PhD. Lecturer Madalina POPESCU**