

**ADVANCED RESEARCH CENTER FOR MICROECONOMIC AND
MACROECONOMIC CYBERNETIC MODELING – CIBEREC
DEPARTMENT OF INFORMATICS AND ECONOMIC CYBERNETICS
FACULTY OF CYBERNETICS, STATISTICS AND ECONOMIC
INFORMATICS
THE BUCHAREST UNIVERSITY OF ECONOMIC STUDIES**



**THE EIGHTH INTERNATIONAL CONFERENCE
ON ECONOMIC CYBERNETIC ANALYSIS:
DEVELOPMENT AND RESOURCES – DERS2013**

CONFERENCE PROGRAM

November 1-2,
Bucharest, Romania

CONFERENCE PROGRAM

FRIDAY, NOVEMBER 1st, 2013

Guests Reception 8,00-9.00 – Virgil Madgearu Building, Room 2416

Opening session 9,00-10,00, Room 2416

Keynote speakers:

- ❖ **PhD. Professor Ion SMEUREANU, Dean of the Faculty of Cybernetics, Statistics and Economic Informatics**
- ❖ **PhD. Professor Nicolae ISTUDOR, Vice-rector of Academy of Economic Studies**
- ❖ **PhD. Professor Ion PARTACHI, AES Moldova**
- ❖ **PhD. Professor Mihai Daniel ROMAN, Director of CIBEREC Excellence Research Centre**

Coffee break – 10,00 - 10,30, 6-th floor

Academic sessions - 10,30 – 12,30

Lunch – 13,00 – 14,30 Cihoski

Academic sessions - 14,30 – 16,30

Coffee break – 16,30 - 17,00, 6-th floor

Official dinner – 19,00 –

CONFERENCE SECTIONS

FRIDAY, NOVEMBER 1st

**Section 1: STATISTICS OF THE DEVELOPMENT -
Room 2416: 10, 30 – 12, 30**

**Section 2: DECISION MODELS USED IN
DEVELOPMENT ECONOMICS –
Room 2013: 10, 30 – 12,30**

**Section 3: DEVELOPMENT AND ECONOMIC
INSTABILITY – Room 2621: 10, 30 – 12, 30**

**Section 4: LABOUR MARKET RESOURCES –
Room 2416: 14, 30 – 16, 30**

**Section 5: FINANCIAL ASPECTS OF ECONOMIC
DEVELOPMENT – Room 2013: 14,30-16,30**

**Section 6: MODELS OF THE DEVELOPMENT AND
USE OF RESOURCES - Room 2621: 14,30 – 16,30**

SATURDAY, NOVEMBER 2nd , ROOM 2621

**WORKSHOP:
DEVELOPMENT AND RESOURCES
09,00- 11,00**

SECTION 1: STATISTICS OF THE DEVELOPMENT

FRIDAY, November 1st, Room 2416

10,30 - 12,30

CHAIRMAN: PhD. Professor Elisabeta JABA

Secretary: PhD. Lecturer Monica MATEI

1. The Multilevel Modeling of Life Satisfaction in SPSS and STATA

*Professor Laura ASANDULUI PhD., Otilia HRITCU, PhD. Student
“Al.I. Cuza” University, Iasi, Romania*

2. Do Romanian Companies Follow Pecking Order Financing?

*Professor Marilen PIRTEA, PhD., Lecturer Cristina NICOLESCU,
PhD., Assist Claudiu BOTOC PhD. Student
West University of Timișoara, Romania*

3. Subjective Versus Welfare Poverty Concepts in Hungary

*Eszter SIPOSNE NANDORI, PhD.
University of Miskolc, Institute of World and Regional Economics
H-3515 Miskolc – Egyetemvaros, Hungary,*

4. Leading and Lagging Indicators of the Economic Crisis

Authors: *Silvia PALASCA, PhD. Student, Professor Elisabeta JABA,
PhD.,
“Alexandru Ioan Cuza” University of Iasi, Romania*

5. Statistical Assessment of the Companies' Reaction to the Information Provided by Financial Market

*Professor Elisabeta JABA, PhD., Ioan-Bogdan ROBU, PhD Student
Faculty of Economics and Business Administration
“Alexandru Ioan Cuza” University of Iași, Romania*

6. The Impact of the Economic Crisis on Corruption within the European Social Models of Economy

Andra Madalina PANTILIE, PhD. Student

The Bucharest University of Economic Studies Romania

SECTION 2: DECISION MODELS USED IN DEVELOPMENT ECONOMICS

FRIDAY, November 1st, Room 2013

10,30 - 12,30

CHAIRMAN: PhD. Professor Ion DOBRE

Secretary: PhD. Lecturer Madalina POPESCU

1. Prediction of the Employment Trends in Romania Using Numerical Simulations

Lecturer Mădălina Ecaterina POPESCU PhD, Professor Ion DOBRE PhD,

The Bucharest University of Economic Studies, Romania

2. Empirical Study for Estimating the Influence of the Financial Factors on Stock Return. Obtaining a Deterministic Model for Companies Listed on Bucharest Stock Exchange

Mihaela-Alina ROBU, PhD. Student

„Alexandru Ioan Cuza” University of Iasi, Romania

3. Models and Methods for Determining the Market Equilibrium Energy in Romania

Alina Steluța CRISTEA, PhD Student, Professor Crisan ALBU, PhD.

The Bucharest University of Economic Studies, Romania

4. The Prediction of Auto Insurance Premium - an Approach with Generalized Linear Models

Mihaela DAVID, PhD Student

Faculty of Economics and Business Administration,

„Alexandru Ioan Cuza” University of Iasi, Romania

5. Brand Promotion through Websites

*Lecturer Marta KOVACS (KISS), PhD. Student,
The Bucharest University of Economic Studies, Romania*

6. Cybernetic System of Vulnerabilities in Bank System

*Liviu Adrian STOICA PhD. Student, Professor Ion DOBRE, PhD.,
The Bucharest University of Economic Studies, Romania*

SECTION 3: DEVELOPMENT AND ECONOMIC INSTABILITY

FRIDAY, November 1st, Room 2621

10,30 - 12,30

CHAIRMAN: PhD. Professor Zizi GOSCHIN

Secretary: PhD. Lecturer Ioana MANAFI

1. The Challenge of Agricultural Labour Market in the European Union

Lecturer Ioana MANAFI, PhD., Associate Professor Daniela MARINESCU, PhD.

The Bucharest University of Economic Studies, Romania

2. Regional Economic Divergence in Romania in the Context of the Economic Crisis

Professor Zizi GOSCHIN, PhD.

The Bucharest University of Economic Studies, Romania

3. A Systemic Approach on Productivity. Generalized Coproduction

Professor Alexandru JIVAN, PhD.

West University of Timisoara, Romania

4. Multiple Criteria Fuzzy Cost Transportation Model

Professor Alexandra TKACENKO PhD.,

Department of Applied Mathematics, Moldova State University

5. Interaction between Real and Monetary Sectors of the Economy in Terms of Economic Instability

Professor Ion PARTACHI, PhD, Olga PANIS, PhD, Student

Academy of Economic Studies, Chisinau, Moldova

6. Exploring the Migration of Healthcare Professionals in Romania: An Empirical Approach

Professor Monica ROMAN, PhD., Professor Zizi GOSCHIN, PhD.

The Bucharest University of Economic Studies, Romania

7. Analyzing Bernoulli's Decision Making Criterion, by Adapting the Utility Function to the Investor's Attitude toward Risk

Assistant Roxana IOAN, PhD. Student, Professor Laura Mariana CISMAS, PhD.,

West University of Timisoara, Romania

SECTION 4: LABOUR MARKET RESOURCES

FRIDAY, November 1st , Room 2416

14,30-16,30

CHAIRMAN: PhD. Professor Mihai Daniel ROMAN

Secretary: PhD. Lecturer Monica MATEI

1. The Impact of Emigration on the Romanian Labour Market

Costin-Alexandru CIUPUREANU, PhD. Student, Professor Mihai Daniel ROMAN, PhD.

The Bucharest University of Economic Studies, Romania

2. Public Debt and Sovereign Default Risk in European Union Countries

Alexandra BRATU, PhD. Student, Camelia BARABAŞ, PhD. Student

The Bucharest University of Economic Studies, Romania

3. The Influence of the Economic Crises on National Economies

Camelia BARABAŞ, PhD. Student, Alexandra BRATU, PhD. Student

The Bucharest University of Economic Studies, Romania

4. Takeovers and Game Theory

Iuliana CHERBELEATA, PhD. Student,

The Bucharest University of Economic Studies, Romania

5. Exchange Rate and International Trade Influence on Growth

Professor Mihai Daniel ROMAN PhD.

The Bucharest University of Economic Studies, Romania

6. Labour Market Efficiency of the EU Member States

Maria Denisa VASILESCU, PhD Student,

The Bucharest University of Economic Studies

*National Scientific Research Institute for Labour and Social Protection,
Bucharest, Romania*

7. The Impact of some Game Theory Applications on Educational Methods

*Assistant Magdalena TALVAN, PhD.,
The Bucharest University, Romania*

8. Frameworks for a Sustainable Development Indicators System

*Associate Professor, Camelia-Daniela HATEGAN, Ph.D., Associate
Professor, Clementina IVAN-UNGUREANU, PhD.
West University of Timisoara, Romania
Finance Banking University of Bucharest, Romania*

9. Developing Professional Personal Brand and Analysis of the Human Resources Market in the Global Crisis, with Specific Effects to the Romania

*Professor Constantin SASU PhD., Professor Florin Alexandru LUCA,
PhD., Anamaria Corina IOAN, PhD.
“Gheorghe Asachi” University, Iasi, Romania
“Al.I. Cuza” University, Iasi, Romania*

SECTION 5: FINANCIAL ASPECTS OF ECONOMIC DEVELOPMENT

FRIDAY, November 1st , Room 2013

14,30-16,30

CHAIRMAN: PhD. Professor Stelian STANCU

Secretary: PhD. Lecturer Madalina POPESCU

1. The Analysis of the Risk and the Uncertainty of the Financial Market in Romania

Cristian BORDEA PhD Student

The Bucharest University of Economics, Romania

2. Utilizing Neural Calculus in Quantitative Analysis of the Post-Crisis Effects on the Romanian Economy

Alexandra Maria CONSTANTIN PhD. Student, Professor Stelian

STANCU, PhD., Associate Professor Corina PELAU, PhD,

The Bucharest University of Economics, Romania

3. Household Sector Risks to Financial Stability in Romania

Lecturer Calcedonia ENACHE, PhD.

The Hyperion University, Bucharest, Romania

4. The Financial Benefits of Innovation in Telemedicine

Mihaela GHEORGHE, PhD. Student,

The Bucharest University of Economic Studies, Romania

5. Study on Self-adjustment at the Macroeconomic Level on Romania's Case

Professor Stelian STANCU, PhD., Alexandra Maria CONSTANTIN

PhD. Student, Associate Professor Corina PELAU, PhD, Cristian

BORDEA PhD. Student

The Bucharest University of Economic Studies, Romania

6. Institutions as Resources. State Intervention, Bureaucratism and Economic Performance

*Lecturer Radu SIMANDAN, PhD.,
Polytechnic University of Bucharest, Romania*

7. Europe's Growth Determinants in the New Economy

Elena ANDREI, PhD. Student

The Bucharest University of Economic Studies, Romania

8. The Effect of Population Migration on Developing the Local Brand

*Professor Florin Alexandru LUCA, PhD., Professor Constantin SASU
, PhD., Cosmin Daniel VATAVU, PhD.*

"Gheorghe Asachi" University from Iasi, Romania

"Al.I. Cuza" University, Iasi, Romania

SECTION 6: MODELS OF THE DEVELOPMENT AND USE OF RESOURCES

FRIDAY, November 1st, Room 2621

14,30-16,30

CHAIRMAN: PhD. Professor Ana Michaela ANDREI

Secretary: PhD. Lecturer Ramona PAUN

1. Using Filters and Production Function Method for Estimating Output Gap and Potential GDP for Romania

*Professor Ana Michaela ANDREI PhD., Lecturer Ramona PAUN PhD.
The Bucharest University of Economic Studies, Romania*

2. Some empirical evidence of the MM theorems for Romanian firms

Professor Ana Michaela ANDREI, PhD., Professor Adrian BADESCU, PhD., Assistant Irina GEORGESCU, PhD., Assistant Eugeniu TUDOR, PhD Student The Bucharest University of Economic Studies, Romania

3. Software Testing, Cybernetic Process

*Professor Ion IVAN, PhD., Lecturer Cristian CIUREA, PhD., Alin ZAMFIROIU, PhD., Mihai Liviu DESPA, PhD., Catalin SBORA, PhD., Emanuel HERTELIU, PhD.
The Bucharest University of Economic Studies, Romania*

4. A Method for Estimate of the Risk Reserve

*Lecturer Iulian MIRCEA, PhD, PhD. Lecturer Mihaela COVRIG PhD, Associate Professor Radu R. SERBAN PhD.,
The Bucharest University of Economics, Bucharest, Romania
The Bucharest University of Economics, Bucharest, Romania
“ Spiru Haret ” University, Bucharest, Romania*

5. Numerical Results for the Algorithm of the Tangent Elipsa

*Associate Professor Radu R. SERBAN PhD., Lecturer Iulian MIRCEA, PhD, PhD. Lecturer Mihaela COVRIG PhD,
The Spiru Haret University, Bucharest, Romania
The Bucharest University of Economics, Bucharest, Romania*

6. Transmission Channels in the Global Economy

Sebastian Florian ENEA , PhD. Student

Faculty of Economics and Business Administration

Doctoral School of Economics and Business Administration

“Alexandru Ioan Cuza” University of Iasi, Romania

7. Managing risk in actual economic environments. How audit can minimise it

Florentin – Emil TANASA, PhD. Student,

„Al.I. Cuza” University, Iasi, Romania

SATURDAY, NOVEMBER 2nd

**WORKSHOP – DEVELOPMENT AND
RESOURCES**

09,00- 11,00 Room 2621

Chairman: PhD. Professor Mihai Daniel ROMAN

Secretary: PhD. Lecturer Monica Mihaela MATEI