

**ECONOPHYSICS,
NEW ECONOMY & COMPLEXITY
INTERNATIONAL CONFERENCE**

“ENEC - 2013”

30 May – 1 June, 2013

PROGRAMME



HYPERION UNIVERSITY
and
HYPERION RESEARCH & DEVELOPMENT INSTITUTE
in partnership with
BUCHAREST-ILFOV REGIONAL DEVELOPMENT AGENCY
BUCHAREST, ROMANIA

see: www.enec.ro

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CONFERENCE CHAIRMAN:

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PROGRAMME SECTIONS OF THE CONFERENCE:

FIRST SECTION – ECONOPHYSICS

SECOND SECTION – NEW ECONOMY

THIRD SECTION – COMPLEXITY

OUTLINE OF PROGRAMME:

THURSDAY, MAY 30

CONFERENCE HALL – 6 FLOOR – BUILDING A

10⁰⁰ OPENING SESSION

– Opening Address

10⁰⁰ – 11⁰⁰ – ECONOPHYSICS Section – Papers Presentation

11⁰⁰ – 11³⁰ – Coffee Break

11³⁰ – 14³⁰ – ECONOPHYSICS Section – continued

14³⁰ – 15³⁰ – Scientific Lunch

15³⁰ -18³⁰ – NEW ECONOMY Section – Papers Presentation

18³⁰ -19⁰⁰ – Discussions

FRIDAY, MAY 31

CONFERENCE HALL – 6 FLOOR – BUILDING A

9⁰⁰ – 11⁰⁰ – NEW ECONOMY Section – Papers Presentation

11⁰⁰ – 11³⁰ – Coffee Break

11³⁰ – 12³⁰ – NEW ECONOMY Section – continued

14³⁰ – 15³⁰ – Scientific Lunch

15³⁰ – 18³⁰ – COMPLEXITY SECTION – Papers Presentation

18³⁰ – 19⁰⁰ – Discussions

SATURDAY, JUNE 1

CONFERENCE HALL – 6 FLOOR – BUILDING A

**9³⁰ – 11¹⁵ – NEW ECONOMY (YOUNG RESEARCHERS
SUBSECTION) – Papers Presentation**

11¹⁵ – 11³⁰ – Coffee Break

**11³⁰ – 14⁰⁰ – NEW ECONOMY (YOUNG RESEARCHERS
SUBSECTION) – continued**

14⁰⁰-14³⁰ – Discussions and Closing Session

14³⁰-15³⁰ – Scientific Lunch

THE SHORT SCIENTIFIC TRAVEL (Visit on Prahova Valley)

Organized by Anda Gheorghiu (organizer and supervisor)

One day scientific trip to Brasov, on June 1st, by minibus at 161 km (by car) distance from Bucharest. We will visit a few touristic objectives in and around the city.

9⁰⁰ – Departure from Bucharest by minibuses at 9⁰⁰ o'clock

SCIENTIFIC PROGRAMME:

THURSDAY, 30 MAY

CONFERENCE HALL – 6 FLOOR – BUILDING A

10¹⁵ – 11¹⁵ – ECONOPHYSICS Section¹

**Chairmen: Matti Estola
Anca Gheorghiu**

30C – E1 – *Consistent and Inconsistent Ways to Dynamize
the Neo-Classical Theory of Economics*

Matti Estola

University of Eastern Finland, matti.estola@joensuu.fi

30C – E2 – *A New Econophysics Model to Study Human
Resources in European Union*

Mirela F. Nicolov

Oradea University, nicolovmirela@gmail.com

30C – E3 – *Coexistence of Opportunists, Contrarians and
Inconvincibles in Binary Opinion Networks*

Karl Kürten

Vienna University, Austria, kuertek3@univie.ac.at

30C – E4 – *Trends in Econophysics*

Ion Spanulescu, Anca Gheorghiu

Hyperion University Romania, rectorat@hyperion.ro

¹ The Lecture Number Stands for:

- 30 – date (30 May)
- C – Conference Hall
- E – Conference Section (Econophysics)
- 1 ... n – number of the paper

11¹⁵ – 11³⁰ – Coffee Break

11³⁰ – 14⁰⁰ – ECONOPHYSICS SECTION – continued

30C – E5 – *From Georgescu-Roegen's Bioeconomics to the Meta-analysis of the Socioeconomic and Environmental Metabolism*

Raluca I. Iorgulescu, Mariana Balan

Institute for Economic Forecasting-NIER, Romanian Academy,
raluca_i@lycos.com

30C – E6 – *Analytical Study of Non Stationary Media Near to Vacuum*

Irina Dmitrieva

Odessa National Academy of Telecommunications, irina.dm@mail.ru

30C – E7 – *How a Few Liars Decide on the Outcome of a Controversial Public Debate?*

Serge Galam

Centre National de la Recherche Scientifique (CNRS), France,
serge.galam@cncs-bellevue.fr

14⁰⁰ – 15³⁰ - Scientific Lunch

15³⁰ – 18³⁰ – NEW ECONOMY Section

**Chairmen: Wioletta Wereda
Anda Gheorghiu**

30C – NE1 – *Economic Globalization – A Factor or an Effect of Foreign Direct Investment*

Cătălin Emilian Huidumac, Radu Marcel Joia

The Bucharest University of Economic Studies, catalinhuidumac@yahoo.com

30C – NE2 – *Basel III. Impact of Changes Made in Supervisory Regulations on the Sector of Cooperative Banks in Poland Against the Backdrop of Cooperative Banking as a Whole*

Beata Domańska-Szaruga

Uniwersytet Przyrodniczo-Humanistyczny w Siedlcach, Poland

30C – NE3 – *Customer Orientation and Management in Public Organizations*

Wioletta Wereda

Siedlce University of Natural Sciences and Humanities, Poland,
weredawioletta@tlen.pl

30C – NE4 – *Economic Growth Based on a Professional Central Administration*

Mihaela Dimitrescu, Ana Maria Pangica

Hyperion University of Bucharest, Titu Maiorescu University,
mdimitrescu@yahoo.com

30C – NE5 – *Features, Dimensions and Costs of Romanian “Neet” Youth in the European Context*

Mariana Balan, Valentina Vasile

Institute for Economic Forecasting-NIER, Romanian Academy,
dr.mariana.balan@gmail.com

FRIDAY, 31 MAY

CONFERENCE HALL – 6 FLOOR – BUILDING A

9⁰⁰ – 11⁰⁰ – NEW ECONOMY SECTION – continued

**Chairmen: Wioletta Wereda
Anda Gheorghiu**

31C – NE6 – *The Development Potential of Merchants in
the Romanian Rural Areas*

Mihaela Marcu, Cristina Balteanu
Hyperion University of Bucharest, Babes Bolyai University
mihaela.marcu13@yahoo.com

31C – NE7 – *The Role of Leadership in the New Economy*

Claudia Ionescu
Manager at the Bucharest Ilfov RDA, adrbinvest@yahoo.com

31C – NE8 – *Price Stability versus Financial Stability in
European Central Banks*

Alexandru Catalin Popa, Catalin Emilian Huidumac
The Bucharest University of Economic Studies, alexandrup86@gmail.com

31C – NE9 – *Macroeconomic analysis of the Polish economy
in the late-2000s recession*

Anda Gheorghiu
Hyperion University of Bucharest, anda.gheorghiu@gmail.com

11⁰⁰ – 11³⁰ – Coffee Break

11³⁰ – 14³⁰ – NEW ECONOMY SECTION – continued

31C – NE10 – *International Investment Strategies Based on
Outsourcing Business Process*

Radu Marcel Joia, Cătălin Emilian Huidumac

The Bucharest University of Economic Studies, marcelraducluj@yahoo.com
31C – NE11 – *European Policies by 2020*

Miron Dumitrescu, Cristina Burghilea, Octavian Burghilea

Hyperion University of Bucharest, crystachy@yahoo.com

31C – NE12 – *Innovative Public Policy and its Impact on Sustainable Economic Development and Brand Competitiveness*

Suzanne Mulvehill

MBA International Entrepreneurship and Trade Specialist, U.S.A.

sm@suzannemulvehill.com

31C – NE13 – *Application of the Feasibility Study in Project Finance on the Basis of a Selected Investment Project*

Teresa Szot-Gabryś

Siedlce University of Natural Sciences and Humanities, Poland

t.szot-gabrys@wp.pl

31C – NE14 – *Target Costing in the Procedures for Creating a Participatory Budget in Local Government Units*

Janusz Sasak, Artur Kozuch

Jagiellonian University, University of Agriculture in Krakow, Poland

a.j.kozuch@ur.krakow.pl

31C – NE15 – *Management statistics using databases*

Raul Şerban

Hyperion University of Bucharest, raulserban@gmail.com

14³⁰ – 15³⁰ – Scientific Lunch

15³⁰ – 18³⁰ – COMPLEXITY SECTION

**Chairmen: Jay Mitra
Ioana Armaş**

**31C – C1 – *Products and Services Life-Cycle in the
Enterprise Development***

Ioana Armaş

Hyperion University of Bucharest, ioanaarm@yahoo.com

**31C – C2 – *Comparative Perspective Regarding the
Measurement of Competitiveness***

Elena Pelinescu, Andrei Silviu Dospinescu

Hyperion University of Bucharest, elena_pelinescu@yahoo.com

**31C – C3 – *Complexity, Entrepreneurship and Economic
Development***

Jay Mitra

University of Essex, U.K., jmitra@essex.ac.uk

**31C – C4 – *Analysing Languages as a Co-occurrence networks
a Comparison of Translations of “Aeneid”***

Elena Tea Russo, Feodor Kusmartsev

Loughborough University, U.K., f.kusmartsev@lboro.ac.uk

31C – C5 – *The Complete Set of the 18 Models and their Analytical Solutions Associated with a Parabolic Partial Differential Equation of the Second Order. Applications for the Heat Transfer in the Bar with Infinite Length and Semi-infinite Length*

Nicolae Popoviciu

Hyperion University of Bucharest, nicolae.popoviciu@yahoo.com

31C – C6 – *The Complexity of Integration Process in European Union – Romanian Example*

Ana Cristina Adumitroaiei, Claudia Ionescu

Bucharest Ilfov RDA, Romania, acdumi2008@yahoo.com

18³⁰ – 19⁰⁰ – Discussions and Closing Speech

SATURDAY, 1 JUNE
CONFERENCE HALL – 6 FLOOR – BUILDING A

9³⁰ – 11⁰⁰ – NEW ECONOMY
(YOUNG RESEARCHERS SECTION)

Chairmen: Cristina Burghilea
Andrei Dospinescu

1C – NEY1 – *Big Enterprises vs. Small Enterprises*

Ana-Maria Grigore, Dan Cristea

University of Bucharest, Hyperion University of Bucharest,
anagrig27@gmail.com

1C – NEY2 – *Current Events Macroeconomic Imbalances*

Cristina Burghilea, Anca Gabriela Molanescu,
Liliana Craciun, Miron Dumitrescu

Hyperion University of Bucharest, The Bucharest University of Economic Studies
crystachy@yahoo.com

1C – NEY3 – *Romanian Economy in the Context of Global
Economic Fluctuations*

Daniel-Constantin Petrea

The Bucharest University of Economic Studies,
daniel_constantin_petrea@yahoo.com

1C – NEY4 – *Connecting to Compete. The Link between
Intermodal Transport and Logistics*

Antoni Ovidiu Balint

The Bucharest University of Economic Studies,
balint_antoni_ovidiu@yahoo.com

1C – NEY5 – *The Barriers in Public Administration
Communication Efficiency*

Simona Curpan, Claudia Ionescu

Bucharest Ilfov RDA, Romania, simonacurpan@yahoo.com

11¹⁵ – 11³⁰ – Coffee Break

11³⁰ – 14⁰⁰ – NEW ECONOMY (YOUNG RESEARCHERS SECTION) – CONTINUED

1C – NEY6 – *Corporate Governance in the Post-Crisis Economy*

**Cătălin-Emilian Huidumac-Petrescu,
Alexandru Cătălin Popa**

The Bucharest University of Economic Studies, alexandrup86@gmail.com

1C – NEY7 – *Mixed Feedback Mechanisms of Economic Adjustment. Hicks Model of Cyclical Evolution*

Calcedonia Enache

Hyperion University of Bucharest, The Bucharest University of Economic Studies, calcedoniaenache@yahoo.com

1C – NEY8 – *Reducing National Economic Skidding*

**Oana Camelia Iacob, Ana-Maria Volintiru,
Andrei Mihai Cristea**

Hyperion University of Bucharest, The Bucharest University of Economic Studies, ioanabaghi@yahoo.com

1C – NEY9 – *The Spatial Development Process of educational Policies in Romania*

Simona Bara, Ustina Rachita, Claudia Stanciu

The Bucharest University of Economic Studies, Hyperion University of Bucharest, State University of Pitesti, ustiniarachita@yahoo.com

1C – NEY10 – *Negotiator's Personality Formation Process*

Serban Alexandru Taranu, Daniela Taranu

Hyperion University of Bucharest, taranus35@yahoo.com

14⁰⁰ -14³⁰ – Discussions and Closing Session

14³⁰ -15³⁰ – Scientific Lunch

EXCURSION – JUNE 01, 2013
(Planned by ENEC organising committee
and Hyperion University)

TIME	ACTIVITY
8.30	Departure from Bucharest by minibus
12.30	Arrival in Brasov (Kronstadt/Corona), a city located in Transylvania attested in 1235 AD, built by Teutonic Knights. Lunch in the city. Fringed by the peaks of the Southern Carpathian Mountains and resplendent with gothic, baroque and renaissance architecture, as well as a wealth of historical attractions, Brasov is one of the most visited places in Romania. Attractions: Old Town Hall, St. Nicholas Church, dating back to the 14th century, The First Romanian School, a museum with the first Romanian printing press, The Rope Street, the narrowest street in Europe, Catherine's Gate etc.
14.30	Visit of the Black Church/Die Schwarze Kirche. Built between 1385 and 1477 on the site of an earlier church (destroyed by Mongol invasions in 1242). The interior is beautiful, with balconies, stained glass windows, an enormous 4,000 – pipe organ, stone columns and walls adorned with fabulous Turkish-Ottoman carpets. The collection is the largest of its kind in Europe.
16	Departure to the cable car site for an escalade of Tampa Mountain – 960 m altitude. Time to enjoy, drink a coffee, walk or whatever you like. Don't miss the chance to admire a fantastic view of Brasov city on top of the mountain.
17	Back to Brasov by cable car than join the minibus. Ascend to Poiana Brasov. Just 12 km away from Brasov city, in a glade surrounded by coniferous forests, you will find an enchanting resort.
18	Departure back to Bucharest
21	Arrival to Bucharest

The distance between Bucharest and Brasov is 161 km (by car)

<http://www.romaniatourism.com/brasov.html>

<http://www.helloromania.eu/Atractii-Brasov-Brasov>

IMAGES FROM THE PLACES WE ARE GOING TO VISIT





Instructions for authors

Submission of papers

For ENEC International Conference, authors are encouraged to send theoretical and/or experimental contribution concerning up-to-date research, before the end of April every year.

Only original papers and invited papers in English are considered. To qualify for publication, papers must be previously reviewed by members of the Advisory Board and after presentation in the one of section of ENEC Conference. Submission of papers must be made to the e-mail address: rectorat@hyperion.ro. The e-mail of the Editor-in-Chief must be used in the case no confirmation answer is received (ion.spanulescu@gmail.com).

Papers structure and preparation

The following structure of a paper is recommended: 1. Introduction, 2. Experimental (Theory, Modeling, ...), 3. Results, 4. Discussion, 5. Conclusions.

The first page must contain:

- Title of paper (main title underlined);
- Authors names and the institute where the work was conducted;
- Keywords, for indexing purposes;
- Abstract.

The exact address complete, with a postal code of the principal author must be given. Add e-mail if possible.

In order to publish in the Proceedings of ENEC Conference, the manuscripts should be submitted in duplicate sets of illustration (of which one is original) typewritten double-spaced on one side of the paper, with a wide margin. In case of the manuscripts in electronic form, the operating system and word processing software used to produce your document should be WORD for WINDOWS. The following rules for text processing should be used. Main text and equations: Times New Roman 11 pt, spacing: single, first line; left indent 0,5 cm, alignment: justified Footnotes, figure explanations: Times New Roman 9 pt, spacing: single, first line; left indent 0,5 cm, alignment: justified Table content: Times New Roman 9 pt, spacing: single, alignment: centre References: Times New Roman 9 pt, spacing: single, first line; left indent 0,5 cm, alignment: justified, Author's names – plain; Books titles – italic; Publication titles – plain; Tome no. – bold.

References will be consecutively numbered in the text and collected at the end of the paper in the following style for journals, proceedings, books and sites, respectively:

- [1] D. K. Faley, *A Statistical Equilibrium Theory of Markets*, J. Econ. Theory, 62, 321-345 (1994) or D. K. Faley, J. Econ. Theory, **62**, 321 (1994).
- [2] I. Dmitrieva, *Diagnolization problems in the classical Maxwell theory and their industrial applications*, Proc. of ENEC 2008 International Conference, Victor Publishing House, Bucharest, Romania, 2008, p. 11.
- [3] R. N. Mantegna & H. E. Stanley, *An Introduction to Econophysics*, Cambridge University Press, Cambridge, 2000.
- [4] I. Spânulescu and Anca Gheorghiu, *Economic Amplifier – A new Econophysics Model*, in: arXiv.org > q.fin > arXiv: 0707.3703, 25 July 2009.

For papers written by economists the following style also can be used:

- [1] Galam, S. (2002), *Minority Opinion Spreading in Random Geometry*, European Physical Journal B 25, pp. 403-406
- [2] Amisano G. and Giannini C. (1997), *Topics in Structural VAR Econometrics*, Springer Berlin

Numbers of References must be limited (up to 20 references).

Figures and tables must be introduced in the text with their legends.

The manuscripts should be as concise as possible. Original whose length exceeds 12 pages are strongly discouraged.

The manuscripts should be sent to the following address:

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HYPERION University of Bucharest 169, Calea Calarasilor, 030615, Bucharest, ROMANIA Phone: 401-323 83 09; 401-321 46 67, Fax: 401-323 83 09, and/or by e-mail to: office@hyperion.ro

ENEC 2013 INTERNATIONAL CONFERENCE IS INITIATED BY:

HYPERION UNIVERSITY OF BUCHAREST

AND

HYPERION RESEARCH AND DEVELOPMENT INSTITUTE



AND ORGANIZED IN PARTNERSHIP WITH

BUCHAREST-ILFOV REGIONAL DEVELOPMENT AGENCY

