

**ECONOPHYSICS,
NEW ECONOMY & COMPLEXITY
10TH EDITION OF INTERNATIONAL CONFERENCE**

“ENEC - 2017”

25 – 27 May, 2017

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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PROGRAMME SECTIONS OF THE CONFERENCE:

OPENING SESSION

FIRST SECTION: ECONOPHYSICS

SECOND SECTION: NEW ECONOMY

THIRD SECTION: COMPLEXITY

OUTLINE OF PROGRAMME:

THURSDAY, MAY 25

CONFERENCE HALL – 6 FLOOR – BUILDING A

10⁰⁰ – 10³⁰ Participants' Registration & Welcome Coffee

10³⁰ – 11³⁰ OPENING SESSION

- Opening Address – Professor Ion Spanulescu – Chairman
- Partner Address – Claudia Ionescu
- Keynote Speaker Address – *Technology Entrepreneurship, Key for Development* – Anda Gheorghiu

11³⁰ – 12³⁰ – ECONOPHYSICS Section – Papers Presentation

12³⁰ – 12⁴⁵ – Coffee Break

12⁴⁵ – 13³⁰ – ECONOPHYSICS Section – continued

13³⁰ – 15³⁰ – NEW ECONOMY Section – Papers Presentation

15³⁰ – 16³⁰ – Scientific Lunch

16³⁰ – 17³⁰ – Discussions

FRIDAY, MAY 26

CONFERENCE HALL – 6 FLOOR – BUILDING A

9⁰⁰ – 9³⁰ Participants' Registration & Welcome Coffee

9³⁰ – 11³⁰ – COMPLEXITY Section – Papers Presentation

11³⁰ – 11⁴⁵ – Coffee Break

11⁴⁵ – 15³⁰ – NEW ECONOMY Section – continued

15³⁰ – 16³⁰ – Scientific Lunch

16³⁰ – 17³⁰ – Discussions and closing speech

SATURDAY, MAY 27

9⁰⁰ – SHORT SCIENTIFIC TRAVEL – organized by Anda Gheorghiu and Organizing Committee of the conference.

SCIENTIFIC PROGRAMME:

THURSDAY, 26 MAY

CONFERENCE HALL – 6 FLOOR – BUILDING A

11³⁰ – 12³⁰ – **ECONOPHYSICS Section**¹

Chairmen: Matti Estola

Alain Le Méhauté

25C – E1 – *Interest Calculation and Dimensional Analysis*

Matti Estola

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

25C – E2 – *Competing Network and Presidential Elections
in U.S.A.*

Feodor Kusmartsev

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

12³⁰ – 12⁴⁵ – **Coffee Break**

12⁴⁵ – 13³⁰ – **ECONOPHYSICS Section – continued**

25C – E3 – *Econobotics Operational Models of the Enterprises
Competitiveness*

Ioana Armaş

Hyperion University of Bucharest, Romania, ioanaarm@yahoo.com

¹ The Lecture Number Stands for:

26 – date (26 May)
C – Conference Hall
E – Conference Section (Econophysics)
1 ... n – number of the paper

25C – E4 – *Zeta-Topos and Project Management within
Uncertainty*

Alain Le Méhauté, D. Tayurskii, P. Riot, S. Raynal

Materials Design SARL, France, Kazan Federal University, Russia, Institut
Franco-Quebecois Paris, France,
alm@materialsdesign.com

25C – E5 – *Capital and the Chaotic Economic Growth Model*

Vesna Jablanovic

University of Belgrade, Faculty of Agriculture, Serbia,
vesnajab@ptt.rs

25C – E6 – *Mathematical and Econometric Models with
Applications in Management*

Ioana Sicrieru

Hyperion University of Bucharest, Romania, mihai_ioana2005@yahoo.com

13³⁰ – 15³⁰ – NEW ECONOMY Section

**Chairmen: Wioletta Wereda
Anda Gheorghiu**

25C – NE1 – *Promotion Activities for the Efficiency of Regio
2014-2020 in Bucharest-Ilfov Region*

Simona Curpan, Claudia Ionescu

Bucharest-Ilfov Regional Development Agency, Romania,
simona.curpan@adrbi.ro

25C – NE2 – *The Framework of Macroeconomic Policies in the
European Union after the Crisis*

Cătălin Emilian Huidumac-Petrescu, Alexandru Cătălin Popa

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

**25C – NE3 – *REGIO (Regional Operational Program) and
Urban Regeneration in Bucharest-Ilfov Region***

Ana Cristina Adumitroaei, Claudia Ionescu

Bucharest Ilfov RDA, Romania, acdumi2008@yahoo.com

25C – NE4 – *“E-Client” in the Contemporary Organization*

Wioletta Wereda

*Institute of Organization and Management, Military University of Technology,
Warsaw, Poland* weredawioletta@tlen.pl

**25C – NE5 – *European and National Policies Regarding the
Social Inclusion of NEET Youths***

Mariana Bălan

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

25C – NE6 – *Economic Crisis – Lessons About the Present*

Niță Sorin Cristian,

The Bucharest University of Economic Studies, Romania,
nitasorincristian@gmail.com

15³⁰ – 16³⁰ – Scientific Lunch

16³⁰ – 17³⁰ – Discussions

FRIDAY, 26 MAY
CONFERENCE HALL – 6 FLOOR – BUILDING A

9³⁰ – 11³⁰ – COMPLEXITY Section

Chairmen: Feodor Kusmartsev
Ioana Armaş

*26C – C1 – A Combinatorial Problem for Possible States on the
Arrival Line for N Competitor Runners*

Nicolae Popoviciu, Ioana Sicrieru

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

*26C – C2 – Numerical Implementation of Electrodynamic
Process in the Flat Guided Structure*

Irina Dmitrieva, Nikolay Balan

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

26C – C3 – Regionalization – European Approaches

Dorel Bahrin

Hyperion University of Bucharest, Romania, bahrin_d@yahoo.com

*26C – C4 – The Influence of Behavioral Anomalies upon the Risk
Management on the Stock Market. The Cognitive Model of
Investor*

Corina Ene

Hyperion University of Bucharest, Romania, corina.maria.ene@gmail.com

*26C – C5 – A Nonlinear Approach to Intra-Psychic Conflicts in
the Human Being System in the Context of Complexity Science –
Workshop*

Aliodor Manolea

Hyperion University of Bucharest, Romania aliodor@glide.ro

26C – C6 – *The Hardy-Weinberg Law and the distribution of populations on Terra*

Eugenie Posdărăscu

Hyperion University of Bucharest, Romania, eugpos@gmail.com

11³⁰ – 11⁴⁵ – Coffee Break

11⁴⁵–15³⁰ – NEW ECONOMY Section continued

Chairmen: Wioletta Wereda

Anda Gheorghiu

26C – NE7 – *Laser Valley, Research and Technology in the Laser Valley, Main Drivers of Local and Regional Development*

Anda Gheorghiu

Hyperion University of Bucharest, Romania, anda.gheorghiu@gmail.com

26C – NE8 – *Resilient Cities and Regions. The Case of Bucharest-Ilfov*

Liviu Rancioaga

Bucharest-Ilfov Regional Development Agency, Romania,

liviu.rancioaga@adrbi.ro

26C – NE9 – *“Strategy for Responsible Development” as an Attempt to Answer the Most Important Contemporary Polish Development Management Challenges*

Przemysław Czernicki, Anna Świrski,

Faculty of Economic and Legal Sciences Siedlce University of Natural Sciences and Humanities, Poland,

annaswirski@gmail.com

26C – NE10 – *The Impact of Regulation on the Mortgage Market*

Stan Adelina Elena, Cătălin Emilian Huidumac-Petrescu

The Bucharest University of Economic Studies, Romania,

adelinastan205@yahoo.com

26C – NE11 – *The Three Axes for Resuming Economic Growth, and Attaining Employment Objectives at National and European Level*

Cornelia Dumitru

Institute for Economic Forecasting-NIER, Romanian Academy, Romania,

cornelia.dumitru@gmail.com

26C – NE12 — *The Rise of Sovereign Wealth Funds: an Overview of the Challenges and Opportunities Ahead*

Alexandru Cosmin Buteică, Cătălin Emilian Huidumac-Petrescu

The Bucharest University of Economic Studies, Romania,

cosmin.buteica@gmail.com

26C – NE13 – *Communication and the New Economy*

Andrei Emil Moise

Hyperion University of Bucharest, Romania, andrei_e_moise@yahoo.com

26C – NE14 – *The Impact of the GDP upon Transport Networks in Romania*

Ovidiu Antoniu Balint

Hyperion University of Bucharest, Romania,

balint_antoniu_ovidiu@yahoo.com

26C – NE15 – *Behind the Screen of Global World. A Historical Perspective on Concepts of Poverty-related*

Georgiana Panaite

The University of Economic Studies in Bucharest, Romania,

geogianapanaite11@yahoo.com

26C – NE16 – Cost optimization as managerial strategy in the context of increasing the complexity of inter-functional decision-making process

Andrei-Mihai Cristea

Hyperion University of Bucharest, “1Decembrie 1918” University, Alba Iulia,
Romania,

cristeaandm@yahoo.com

15³⁰ – 16³⁰ – Scientific Lunch

16³⁰ – 17³⁰ – Discussions and Closing Speech

SATURDAY, MAY 27
9⁰⁰ – SHORT SCIENTIFIC TRAVEL

TIME	ACTIVITY
9	Departure from Bucharest by Minibus
10,30	Arrival in Campina city , located in Prahova County
11	Visit of Iulia Hasdeu Castle , a metaphysical temple built in the form of small castle by historian and politician <u>B.P.Hasdeu</u> in 1896 after the death of his daughter, Iulia, a child prodigy. The layout of the building is in the shape of a cross, having three towers decorated with esoteric symbols meant to aid communication with the other world.
12	Visit of N.Grigorescu Memorial House . He is considered as the most important Romanian painter, for his military, religious and rustic artworks. He studied in France, and had Renoir as a colleague. Member of Barbizon school.
13.30	Departure to Comarnic, 500 m altitude (Prahova County)
14	Arrival in Comarnic and Lunch at Popas Cernica (those who wish, can visit the cynegetic museum in the vicinity)
16	Departure to Brebu Monastery (1641) and Princely Court (Curtea Domneasca) built by the kings M.Basarab and C.Brancoveanu. Those who wish can visit the small medieval museum (closing time-5 p.m.). Open the secret door in the old wall and find the paradise of the monks' orchard, the forest and the Lake. Breathe fresh air, admire the sunset, pray and thank.
18	Departure back to Bucharest
19.30	Arrival to Bucharest

The distance between Bucharest and Comarnic is 113 km.

IMAGES FROM THE PLACES WE WILL TO VISIT

Iulia Hasdeu Castle



Nicolae Grigorescu Memorial House



Brebu Monastery and Lake



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 Paper Submission section on the Conference Website: www.enec.ro.

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.

For the preparation of the Conference Proceedings, please upload the abstract and the full paper in English, in electronic format to the Conference Website: www.enec.ro

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 addresses:

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**ENEC 2017 INTERNATIONAL CONFERENCE IS INITIATED AND
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AND

HYPERION RESEARCH AND DEVELOPMENT INSTITUTE



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