



## **ASTR**

### **Filiala Iași**

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## **RAPORT DE ACTIVITATE**

### **pentru anul 2014**

#### **I. Activități specifice în cadrul filialei**

##### **I.A. Participarea cu lucrări din partea membrilor filialei în cadrul manifestărilor organizate de ASTR**

1. **B. Ungureanu, G. M. Atanasiu, V. Cotorabi**, M suri posibile de preluare / Control al acțiunilor seismice aplicabile sistemelor urbane. Atenuarea undelor seismice cu ajutorul metamaterialelor, *A IX-a ediție a Conferinței „Zilele Academiei de Științe Tehnice din România”*, Sibiu, 5-7 noiembrie 2014.
2. **L. Gora**, Câteva considerații privind utilitatea și utilizarea unor concepte fundamentale în educația inginerescă, *A IX-a ediție a Conferinței „Zilele Academiei de Științe Tehnice din România”*, Sibiu, 5-7 noiembrie 2014.
3. **C. Lazar**, Algoritmi de control predictiv pentru sistemele servoing vizuale ale roboților manipulatori, *A IX-a ediție a Conferinței „Zilele Academiei de Științe Tehnice din România”*, Sibiu, 5-7 noiembrie, 2014.
4. **D. Precupanu**, C. Precupanu, Discuție comparativă asupra metodelor de determinare a tensiunilor din plăcile plane, *A IX-a ediție a Conferinței „Zilele Academiei de Științe Tehnice din România”*, Sibiu, 5-7 noiembrie, 2014.
5. **C. Mahulea, J. Júlve, M. Matcovschi, O. Pastravanu**, Instrumente pentru rețele Petri implementate în Matlab, *A IX-a ediție a Conferinței „Zilele Academiei de Științe Tehnice din România”*, Sibiu, 5-7 noiembrie, 2014.
6. **A. Radu**, M. Vasilache, M. Pruteanu, Tendințe actuale de cercetare în fizica construcțiilor. Îmbunătățirea nivelurilor de performanță pentru clădirile noi sau renovate, Present research directions in building physics. Improving performance levels for new or renovated buildings, *A IX-a ediție a Conferinței „Zilele Academiei de Științe Tehnice din România”*, Sibiu, 5-7 noiembrie 2014
7. **I. Siminiceanu**, Exergy analysis of industrial systems, *A IX-a ediție a Conferinței „Zilele Academiei de Științe Tehnice din România”*, Sibiu, 5-7 noiembrie 2014.

## **I.B. Organizarea și co-organizarea de manifestări științifice sub egida ASTR**

1. A XVIII-a ediție a Conferinței Internaționale *System Theory, Control and Computing*, ICSTCC 2014, Sinaia, 17-19 octombrie 2014 (**M. Voicu, C. Lazăr, O. Păstravanu**) – volum de lucrări indexat ISI Web of Science, IEEE Xplore.
2. Ediția a X-a a Conferinței *Resurse lingvistice și instrumente pentru prelucrarea limbii române – ConsILR-2014*, Craiova, 18-19 septembrie 2014 <http://consilr.info.uaic.ro/2014>, (**D. Cristea**) cu volum de lucrări în Editura Universității „Alexandru Ioan Cuza” din Iași (listat în secțiunea II.A).

## **II. Cercetare (publicații, proiecte)**

### **II.A. Cărți și capitole în cărți**

1. **N. D. Alexandru**, A. Graur, 2014, *Noise and Fluctuations in Electronics and Telecommunications*, 256 p., Miskolc: Miskolc University Press, ISBN 978-615-5216-62-6,
2. **G.M. Atanasiu**, V.O. Rosca, 2014, *Advanced Structural Dynamics*, 170 p, Iași, Editura Politehnică, ISBN 978-973-621-439-4.
3. M. Colhon, A. Iftene, V. Barbu Mititelu, **D. Cristea**, D. Tufi (eds.) (2014). Proceedings of the 10th International Conference "Linguistic Resources And Tools For Processing The Romanian Language", Craiova, 18-18 September 2014, „Alexandru Ioan Cuza” University Publishing House, 217 pages, ISSN 1843-911X. Volum accesibil la [http://consilr.info.uaic.ro/2014/Consilr\\_2014.pdf](http://consilr.info.uaic.ro/2014/Consilr_2014.pdf).
4. Lenuța Alboaie, **Dan Cristea**, Corina Forșcu, Daniela Gîfu, Adrian Iftene (2014). BringITon! Catalogue. "Alexandru Ioan Cuza" University Publishing House. Volum accesibil la <http://bringiton.info.uaic.ro/wp-content/uploads/2014/11/BringITon-CatalogPrint.pdf>.
5. **C. Lazăr**, A. Burlacu, A. Archip, 2014, Vision-guided robot manipulation predictive control for automating manufacturing, In T. Borangiu, D. Trentesaux, A. Thomas (Eds.), *Service Orientation in Holonic and Multi-Agent Manufacturing and Robotics*, Studies in Computational Intelligence, 544, pp. 313-328, Springer Verlag, ISBN 978-3-319-04735-5.
6. M. Kloetzer, L. Mirea. **O. Pastravanu**, *Sisteme liniare continue*, Iasi, 340 p, Editura Politehnică, 2014, ISBN 978-973-621-422-6.
7. M. Kloetzer, **O. Pastravanu**, *Instrumente Matlab in studierea dinamicilor modelabile liniare*, 158 p, Editura Politehnică, 2014, ISBN 978-973-621-425-7.
8. M. C. Area and **V. I.Popa**, *Wood Fibres for Papermaking*, Smithers Rapra, 2014, 106 p. ISBN:978-1-90903-086-2 (hardback), 978-1-90903-087-9 (ebook)
9. Creații Universitare 2008, Dedicat domnului profesor **Adrian Radu**, *Reviste și Articole științifice*, 134 p., Iași, Editura Societății Academice “Matei - Teiu Botez”, ISBN 978-973-8955-55-4, publicat 2014.
10. **A. Radu**, E. Barreira, H. Saber, H. Hens, J. Vinha, M. Vasilache, M. Bomberg, O. Koronthalyova, P. Matiasovsky, R. Becker, T. Kalamees, V.P. Freitas, W. Maref, *Heat, air and Moisture, Transfer Terminology, Parameters and Concept*, CIB – W040 Heat And Moisture Transfer In Buildings, 52 p. FEUP Edições, PORTO (Portugal), ISBN – print: 978-972-752-147-0
11. **Valentin I. Popa**, Lignin in Biological System, in *Polymeric Biomaterials* (2vols), Structure and function (vol I)
12. Severian Dumitriu (founder editor) and **Valentin Popa** (editor), 2013, p.709-738, Georgeta Cazacu, Mirela Capraru and Valentin I.Popa, Chap. 8 Advances Concerning Lignin Utilization in New Materials, in *Advances in Natural Polymers*, Advanced

- Structured Materials 18, Eds. S.Thomas et al , : 10.1007/978-3-642-20940-6\_8, Springer-Verlag Berlin Heidelberg, 2013
13. Ioana Ignat, Irina Volf and **Valentin I.Popa**, Chap 56 Analytical Methods of Phenolic Compounds, in Handbook of Natural Products, Eds. K.G.Ramawat, J.M.Merillon, DOI 10, 1007/978-3-642-221444-6\_56, Springer-VerlagBerlin Heidelberg, 2013
  14. **V.I.Popa** and I.Volf, Strategia cercetarii experimentale (Strategy of experimental research), Ed. Politehniun, Iasi, 2013, 180 p., ISBN978-973-621-403-5
  15. **Valentin I.Popa**, Editor, Pulp production and processing: from papermaking to high-tech products, Smithers Rapra, 2013, 520 p. ISBN-978-1-84735-633- 8 (hardback); ISBN-978-1-84735 - 634-5 (softback); ISBN-978-1-84735- 637-6 (ebook)
  16. **V.I.Popa**, Chapter 1 Biorefining and pulp and paper industry, in Pulp production and processing: from papermaking to high-tech products, Smithers Rapra, V.I.Popa (editor), p.1-28 (2013)
  17. *Crea ii Universitare 2008*, Dedicat domnului profesor **Adrian Radu**, Reviste i Articole tiin ifice, pp. 134, Ia i, Editura Societ ii Academice “Matei - Teiu Botez”, ISBN 978-973-8955-55-4, publicat 2014.
  18. **A. Radu**, E. Barreira, H. Saber, H. Hens, J. Vinha, M. Vasilache, M. Bomberg, O. Koronthalyova, P. Matiasovsky, R. Becker, T. Kalamees, V.P. Freitas, W. Maref, *Heat, air and Moisture, Transfer Terminology, Parameters and Concept*, CIB – W040 Heat And Moisture Transfer In Buildings, 52 pp. FEUP Edições, PORTO (Portugal), ISBN – print: 978-972-752-147-0, <http://www.fe.up.pt/~lfc-scc>, 2012

## II.B. Articole în reviste

1. **Alexa D.**, Gora T., Pletea I.V., Lazar Al. 2014, Rectifier with near sinusoidal input current based efficient wind system, *IET Renewable Power Generation*, 7 pagini, lucrarea Manuscript ID, RPG – 2014 – 0448, în curs de apari ie. **(ISI)**
2. **Alexa D.**, Lazar Al., Pletea I.V. , 2014, Static Frequency Converter with PWM Self – Control Inverter for an Induction Motor, *Iranian Journal of Sciences and Technology, Transactions of Electrical Engineering*, 9 pagini, lucrarea Manuscript ID, 1734 – IJSTE, în curs de publicare. **(ISI)**
3. **N. D. Alexandru**, and A. L. B lan, 2014, Investigation of the Mechanism of Improvement in Improved Nyquist Filters, *IET Signal Processing*, Vol. 8, Issue 1, February 2014, pp.95– 105 **(ISI)**.
4. **N. D. Alexandru**, and A. L. B lan, 2014, Improved Nyquist Pulses Produced by A Filter with Senary Piece-wise Polynomial Frequency Characteristic, *Advances in Electrical and Computer Engineering*, vol. 14, No. 2, pp.129-134 **(ISI)**
5. Alexandra Ligia B lan, and **N. D. Alexandru**, 2014, Construction of New ISI-Free Pulses Using a Linear Combination of Two Polynomial Pulses, *Telecommunication Systems*, accepted doi: 10.1007/s11235-014-9907-2 **(ISI)**
6. C.E. Lanivsi, **G.M. Atanasiu**, A. Secu, 2014, Numerical Analysis of a rigid Node of a spatial Tember Frame made of Elements with composed cross- Section, *Int. Journal Advanced Materials Research*, pp.8 **(ISI)**
7. G. Bunea, **G.M. Atanasiu**, 2014, Overview of Romania’s Seismicity focusing on the north-eastern Region, *Bul. I.P. Iasi*, Tomul LX (LXIV), Fasc. 1, Secția Construcții. Arhitectur , pp.8, ISSN 1224-3884, ISSN 2068-4762
8. D. Ciutea, **G.M. Atanasiu**, 2014, Defining seismic Resilience within the Context of North- eastern Region of Romania, *Bul. I.P. Iasi*, Tomul LX (LXIV), Fasc. 1, Secția Construcții. Arhitectură, pp.8, ISSN 1224-3884, ISSN 2068-4762
9. **L.Gora** , M. Fira, 2014, Review of recent results on ECG compression and classification, *Bul. I.P. Iasi*, Tomul LX (LXIV), Fasc. 1, Secția Automatică și Calculatoare, pp 13-26, ISSN 1224-3884, ISSN 2068-4762.

10. A. Burlacu, C. Copot, **C. Lazar**, 2014, Predictive control architecture for real-time image moments based servoing of robot manipulators, *Journal of Intelligent Manufacturing*, 25 (5), pp. 1125-1134, ISSN 0956-5515. **(ISI)**
11. C.F. Caruntu, **C. Lazar**, 2014, Network delay predictive compensation based on time-delay modelling as disturbance, *International Journal of Control*, 87 (10), pp. 2012-2026, ISSN 0020-7179. **(ISI)**
12. F. C. Braescu, L. Ferariu, **C. Lazar**, 2014, Multi-Domain CAN Gateway with Monitoring Capabilities, *Control Engineering and Applied Informatics*, 16 (2), pp. 49-57, ISSN 1454-8658. **(ISI)**
13. D. Patrascu, **C. Lazar**, 2014, Optimal Operations of a Hybrid Electric Vehicle Based on the Prediction of the Torque And Power Availabilities, *Buletinul Institutului Politehnic din Ia i, Automatic Control and Computer Science Section*, Tomul LVIII (LXII), Fasc. 2, pp. 9-28, ISSN 1220-2169.
14. M.H. Matcovschi, **O. Pastravanu**, 2014, Novel estimations for the eigenvalue bounds of complex interval matrices, *Applied Mathematics and Computation*, vol. 234, pp. 645-666, 2014. **(ISI)**.
15. **O. Pastravanu**, M.H. Matcovschi, 2014, Max-type copositive Lyapunov functions for switching positive linear systems, *Automatica*, 50 (2014) 3323–3327 **(ISI)**.
16. **O. Pastravanu**, M.H. Matcovschi, 2014, Sufficient conditions for Schur and Hurwitz diagonal stability of complex interval matrices, *Linear Algebra and its Applications*, accepted, doi: 10.1016/j.laa.2014.11.005 **(ISI)**.
17. I. Volf, I. Ignat, M. Neamțu and **V.I. Popa**, 2014, Thermal stability, antioxidant activity and photo-oxidation of natural polyphenols, *Chemical Papers*, 68 (1) 121–129 **(ISI)**.
18. A. I. Chiriac, F. I. Javier Pastor, **V. I. Popa**, M. Aflori, D. Ciolacu, 2014, Changes of supramolecular cellulose structure and accessibility induced by the processive endoglucanase Cel9B from *Paenibacillus barcinonensis*, *Cellulose*, 21(1), 203–219 **(ISI)**.
19. A.Gîlca, R. E. Ghițescu, A. C. Puițel and **V. I. Popa**, 2014, Obtaining lignin nanoparticles by chemical modification, *Iranian Polymer Journal*, 23(5) 355-363 **(ISI)**.
20. **V.I Popa**, Biorefining and pulp and paper industry, 2014, *Celuloz i Hârtie*, 61 (1), 3-17
21. A.I.Gîlc , R.P.Bulzan, A.C.Puițel and **V.I.Popa**, 2014, Characterization of some components of hemp woody core biorefining, *Celuloz i Hârtie*, 61 (1), 27-33
22. **V.I.Popa**, 2014, Sinergismul între educație și cercetare-un concept humboldtian de actualitate (The synergism between education and research-a humboldtian concept of actuality), *Revista de Politica tiinței și Scientometrie-Serie Nou* , 3 (2), Iunie, p.115-122
23. C.T nase, I.Boz, A.Stîngu, I.Volf and **V.I.Popa**, 2014, Physiological and biochemical responses induced by spruce bark aqueous extract and deuterium depleted water with synergistic action in sunflower (*Helianthus annuus* L.) plants, *Industrial Crops and Products*, 60, 160–167 **(ISI)**.
24. R.E.Ghițescu, I. Volf, C. Cărăușu , A. M. Bühlmann, I. A. Gîlcă and **V. I. Popa**, 2014, Optimization of ultrasound-assisted extraction of polyphenols from spruce wood bark, *Ultrasonics Sonochemistry*, accepted, doi: 10.1016/j.ultsonch. 2014.07.013 **(ISI)**.
25. C.T nase, I.Volf and **V.I.Popa**, 2014, Enhanced copper and lead bioaccumulation in rapeseed by adding hemp shives as soil natural amendments, *Journal of Environmental Engineering and Landscape Management*, ISSN 1648-6897 print/ISSN 1822-4199 online , ISSN 1648-9897, 22 (4), 245-253 **(ISI)**.

26. I. A. Gîlc , **V. I. Popa** and C. Crestini, 2014, Obtaining lignin nanoparticles by sonication, *Ultrasonics Sonochemistry*, accepted, doi:10.1016/j.ultsonch.2014.08.021 **(ISI)**.
27. **V.I.Popa**, 2014, “Ciupercile” de gazete (Journals as “mushrooms”), *Revista de Politica Științei și Scientometrie-Serie Nou* , 3 (4), Decembrie, p. 310-315
28. **A. Radu**, M. Vasilache, I. Baran, 2014, Improved performance levels for new and refurbished buildings, *Buletinul Institutului Politehnic din Ia i*, Sec ia Construc ii, Arhitectur , ISSN 1224-3884 (print edition) , 2068-4762 (online edition)Tomul LX, (LXIV), Fasc. 2, pp. 31 – 38.
29. C.I. Branzila, N. Monteiro, M.J. Pacheco, **I. Siminiceanu**, A.Lopes, 2014, Degradation of tetracycline at a boron- doped diamond anode : influence of initial pH, applied current intensity and electrolyte, *Environmental Science and Pollution Research*, March 26, online **(ISI)**.
30. **A. Radu**, M. Vasilache, I. Baran, 2014, Improved performance levels for new and refurbished buildings, *Buletinul Institutului Politehnic din Ia i*, Sec ia Construc ii, Arhitectur , ISSN 1224-3884 (print edition) , 2068-4762 (online edition)Tomul LX, (LXIV), Fasc. 2, pp. 31 – 38, www.bipcons.ce.tuiasi.ro.
31. **I. Siminiceanu**, 2014, Chemical Engineering: Quo Vadis ?, *Bulletin of Romanian Society of Chemical Engineering*, 2, pp 103- 115.
32. **Taranu N.**, Popoaei, S., Oprisan G., Ciobanu, P., Mihai, P., Munteanu, V., 2014, Influence of assembling parameters on joints behaviour of pultruded elements made of fibre reinforced polymer composites, *Romanian Journal of Materials* Vol 43 (3), pp. 236-248, **(ISI)**
33. **Taranu, N.**, Ciobanu, P., Mihai, P., Popoaei S., Budescu, M., Lupasteanu V., 2014, Improving structural response of reinforced concrete beams strengthened with NSM composite strips. *Romanian Journal of Materials*, Vol. 43 (4), pp. 325-340 **(ISI)**
34. Gavriiloaia C., Corduban C., Isopescu D., **Taranu N.**, Budescu M, 2014, Calibration of a wooden floor calculation model based on the experimentally determined dynamic characteristics, *Key Engineering Materials*, Trans. Tech. Publ. vol 601., pp. 211-214. **(ISI)**
35. Garcia, R., Hajirasouliha I., Guadagnini, M., Helala, Y., Pilakoutas, K., Mongabure, P., Chrysostomou, C., Kyriakides, N., Ilki, A., Budescu M., **Taranu, N.**, Ciupala A M., Torres L., Saiidi M, 2014, Full scale shaking table tests on a substandard RC building repaired and strengthened with post-tensioned metal straps, *Journal of Earthquake Engineering*, Vol11, pp. 187-213 **(ISI)**
36. Dumitrescu L., Maxineasa G.S, Simion I. M., **Taranu N**, Andrei R., Gavrilesu M., 2014, Evaluation of the environmental impact of road pavements form a life cycle perspective. *Environmental Engineering and Management Journal*, Vol. 13, No 2, pp. 449-455 **(ISI)**
37. Tundrea, H., Maxineasa, G.S., **Taranu N**, Budescu, M., Gavrilesu M., Simion, I.M., 2014, Environmental impact assessment and thermal performances of modern sheltered houses. *Environmental Engineering and Management Journal*, Vol. 13, No 19, 8pp **(ISI)**
38. Pruteanu M., Maxineasa S., Vasilache M., **Taranu N.**, 2014, Study on the use of expanded polystyrene for external masonry walls thermal insulation. *Bulletin of the Polytechnic Institute of Jassy, Construction and Architecture Section*, Tomul LIX (LXIII), Fasc. 1, 31-42.

## II.C. Articole în volume de conferin e

1. **N. D. Alexandru**, A. L. B lan, 2014, Optimization of an Improved Nyquist Filter With Piece-Wise Polynomial Frequency Characteristic, *Conferin a "Development and Application Systems"*, DAS 2014, 15-17 mai, Suceava, pp.62-65, ISBN:978-1-4799-5094-2/14.
2. A. L. B lan, **N. D. Alexandru**, Inter-symbol Interference Free Pulses for Transmission Over Intensity-Modulated Channels, *Conferin a Communications'2014*, 29-31 mai, Bucure ti, pp.67-70, ISBN: 978-1-4799-2385-4/14.
3. **N. D. Alexandru**, A. L. B lan, "Optimization of the POWER Pulse", *Conferin a ECUMICT 2014*, 27-28 martie, Gent, pp.1-9, Lecture Notes in Electrical Engineering, Volume 302, Springer, Print ISBN: 978-3-319-05439-1.
4. **N. D. Alexandru**, "State of the Art in Improved Nyquist Filters", *Conferin a Workshop on Circuits, Systems and Information Technology*, July 3-4 Ia i, on CD, indexat în i-Discover.
5. G. Bunea, **G.M. Atanasiu**, 2014, Relevant Aspects Concerning the Local Seismic Hazard for Iasi Municipality, *Proc. The Second International Conference for PhD Students in Civil Engineering and Architecture CE-PhD 2014*, pp. 74-81, UTPRESS, ISSN 2392 – 9715, 10-13 Decembrie 2014, Cluj-Napoca, Romania.
6. **G.M. Atanasiu**, V. Horga, 2014, Grey Box indirect Identification of Structures based on constinuos time lumped parametric Models, *The 4<sup>st</sup> International Symposium IALCCE* November 16-19, 2014, Tokyo, pp.8, CRC Press London, Taylor &Francis Group, ISBN 978-1-138-00120-6,
7. C.M. Olariu, **G.M. Atanasiu**, V. Mur ra u, 2014, Effects of Soil Structure Interaction for a historical Monument located in higly seismic Area, *The 4<sup>st</sup> International Symposium IALCCE*, November 16-19, 2014, Tokyo, pp.8, CRC Press London, Taylor &Francis Group, ISBN 978-1-138-00120-6,
8. **G.M. Atanasiu**, C.E. Lanivsi, 2014, Structural Analysis of the Timber Roof of a Romanian Orthodox Church, *The 11<sup>th</sup> Int. Congress on Advances in Civil Engineering-ACE*, 21-25 October 2014, Istanbul, CD.
9. **G.M. Atanasiu**, C.E Lanivsi, 2014, Nonlinear Analysis of timber Frames subjected to seismic Loading, *The 8<sup>th</sup> European Nonlinear Dynamics Conference ENOC 2014*, 6-13 July 2014, Viena, pp.8, CD.
10. A.-D. Bibiri, M. Colhon, P. Diac, **D. Cristea** (2014). Statistics Over A Corpus Of Semantic Links: "QuoVadis". In *Mihaela Colhon, Adrian Iftene, Verginica Barbu Mititelu, Dan Cristea, Dan Tufi (eds.) (2014). Proceedings of the 10th International Conference "Linguistic Resources And Tools For Processing The Romanian Language, Craiova, 18-19 September 2014"*, „Alexandru Ioan Cuza” University Publishing House, pag. 33-44.
11. **D. Cristea**, I.-C. Pistol (2014). MappingBooks: Linguistic Support For Geographical Navigation Systems. In *Mihaela Colhon, Adrian Iftene, Verginica Barbu Mititelu, Dan Cristea, Dan Tufi (eds.) (2014). Proceedings of the 10th International Conference "Linguistic Resources And Tools For Processing The Romanian Language, Craiova, 18-19 September 2014"*, „Alexandru Ioan Cuza” University Publishing House, pag. 189-198.
12. D. Gifu, L.-A. Scutelnicu, **D. Cristea** (2014). Humour and non-humour in religious discourse, *LREC Conference*, Reykjavik, May.
13. E. Mitocariu, D.-A. Anechitei, **D. Cristea** (2014). How Could Veins Speed Up The Process Of Discourse Parsing. In *Proceedings of the LREC Conference*, Reykjavik, May.

14. M. Zock and **D. Cristea** (2014). You shall find the target via its companion words: specifications of a navigational tool to help authors to overcome the tip-of-the-tongue problem. In *Proceedings of 11th International Workshop on Natural Language Processing and Cognitive Science*, Venezia, 27-29 October.
15. S. Savinescu, **L. Gora** , On the nonidealities of a tunable CMOS transconductor, *Workshop on Circuits, Systems and Information Technology (WCSIT)*, 2-3 July 2014, Iasi, Romania (2p CD / DVD).
16. M. Gurzun, **L. Gora** , On nonlinear distortions analysis of CMOS circuits, *CAS Sinaia*, 13-15 Oct. 2014, IC1-S.4, 4p.
17. M. Fira, R. Aldea, A. Laz r, **L. Gora** , Classifications of Motor Imagery Tasks in Brain Computer Interface Using Euclidean Distance, *12th Symposium on Neural Network Applications in Electrical Engineering, NEUREL 2014*, 25 – 27 Noiembrie 2014, Belgrad, pp 121-124.
18. M. Fira, **L. Gora** , On projection matrices and dictionaries in ECG compressive sensing - a comparative study *12th Symposium on Neural Network Applications in Electrical Engineering, NEUREL 2014*, 25 – 27 Noiembrie 2014, Belgrad pp 3-8.
19. C.F. Caruntu, **C. Lazar**, 2014, Observer-based controller design for networked predictive control of an automotive drivetrain with backlash, *IFAC 19th World Congress*, August 24-30, Cape-Town, 19(1), pp. 10337-10342, ISBN 978-3-902823-62-5.
20. C.F. Caruntu, C. Copot, **C. Lazar**, R. De Keyser, 2014, Longitudinal control of vehicle platoons for stop-and-go waves mitigation, *18th International Conference on System Theory, Control and Computing (ICSTCC)*, October 17-19, Sinaia, pp. 670-675, ISBN 978-1-4799-4602-0
21. S.C. Carpiuc, **C. Lazar**, C., 2014, Lyapunov-based constrained explicit current predictive control in permanent magnet synchronous machine drives, *International Symposium on Power Electronics, Electrical Drives, Automation and Motion (SPEEDAM)*, June 8-10, Ischia, pp. 461-466, ISBN 9781479947508.
22. S.C. Carpiuc, **C. Lazar**, 2014, State–feedback current control of permanent magnet synchronous machine based automotive electrical traction drives under real–time and physical constraints, *18th International Conference on System Theory, Control and Computing (ICSTCC)*, October 17-19, Sinaia, pp. 512–517, ISBN 978-1-4799-4602-0.
23. S.C. Carpiuc, **C. Lazar**, 2014, Predictive dc–link voltage control of permanent magnet synchronous machine drives for hybrid electric vehicles, *IEEE Conference on Control Applications (CCA)*, October 8-10, Antibes/Nice, pp. 41-46, ISBN 978-1-4799-7408-5.
24. S.C. Carpiuc, **C. Lazar**, 2014, Energy–efficient model predictive speed control of permanent magnet synchronous machine based automotive traction drives, *IEEE Vehicle Power and Propulsion Conference (VPPC)*, October 28-30, Coimbra, pp. 1-6, ISBN 14-978-1-4799-6782-7.
20. M.H. Matcovschi, **O. Pastravanu**, and **M. Voicu**, Outer Bound Estimations for the Spectral Radii of Interval Matrices, *18th Int. Conf. on Systems Theory, Control and Computing ICSTCC 2014*, Sinaia, Romania, Oct. 2014.
21. **O. Pastravanu**, and M.H. Matcovschi, On a conjecture in stability analysis of polytopic systems – Mimicking spectral radius properties from real to complex matrices, *18th Int. Conf. on Systems Theory, Control and Computing ICSTCC 2014*, Sinaia, Romania, Oct. 2014.
22. J. J´ulvez, M. Matcovschi, **O. Pastravanu**. Matlab tools for the analysis of Petri net models. *19th IEEE Int. Conf. on Emerging Technologies and Factory Automation (ETFA 2014)*, Barcelona, Sept. 2014.
23. **I. Siminiceanu**, 2014, Ingineria proceselor chimice la centenarul fondatorului: Dirk

- Willen Van Krevelen (1914- 2001), *Conferinta SICHEM- 2014, 20 iunie, Bucuresti ,( 8 pp)*
24. **Taranu N.**, Andrei R., Dumitrescu L., Maxineasa S., 2014, Using recycled components from post-consumer tyres in construction materials industry. Proceedings of the 14<sup>th</sup> *Multidisciplinary Scientific Geoconference (SGEM 2014)*, 17-26 June 2014, Albena, pp 259-266
  25. Toma I.O., Banu O.M., Taran GR., Budescu M, **Taranu N.**, 2014, Effects of post-consumer tyre rubber on the mechanical properties of mortars. Proceedings of the 14<sup>th</sup> *Multidisciplinary Scientific Geoconference (SGEM 2014)*, 17-26 June 2014, Albena, pp 273-278
  26. Lupasteanu V.,**Taranu N.**, Maxineasa S., Ciobanu P., Popoaei S, 2014, Lamina failure theories of the unidirectional fibre reinforced FRP composites. *Proceedings of the 14<sup>th</sup> International Scientific Conference VSU'2014*, 5-6 June 2014, Sofia, Vol I., pp 246-251.
  27. Axinte A., Bejan L., **Taranu N.**, Rosca V., Particularities of laminated composites optimization, 2014, Hygrothermal behaviour of unidirectional fibre reinforced composites. *Proceedings of the 14<sup>th</sup> International Scientific Conference VSU'2014*, 5-6 June 2014, Sofia, Vol I, pp 252-258
  28. **Taranu N.**, Oltean R., Cozmanciuc C., 2014, Hygrothermal behaviour of unidirectional fibre reinforced composites. *Proceedings of the 14<sup>th</sup> International Scientific Conference VSU'2014*, 5-6 June 2014, Sofia, Vol I, pp 234-239
  29. Popoaei S., **Taranu N.**, Ciobanu P., Maxineasa S G., Lupasteanu V., (2014), Numerical analysis of a single lap bolted connection for pultruded composite plates. *Proceedings of the 14<sup>th</sup> International Scientific Conference VSU'2014*, 5-6 June 2014, Sofia, Vol II, pp 225-230
  30. **Taranu N.**, Vi doiu C., Dupir I., 2014, Behaviour of sandwich elements with foam cores. *Proceedings of the 14<sup>th</sup> International Scientific Conference VSU'2014*, 5-6 June 2014, Sofia, Vol II, pp 234-239
  31. Ciobanu P., **Taranu N.**, Popoaei S., Lupasteanu V., Maxineasa SG., 2014, Structural response of a reinforced concrete beam strengthened in flexure with externally bonded FRP plates. *Proceedings of the 14<sup>th</sup> International Scientific Conference VSU'2014*, 5-6 June 2014, Sofia, Vol II, pp 237-242
  32. Stoian V., **Taranu N.**, Fofiu M., 2014, Romanian research activity in the field of FRP rehabilitation of structures affected by the earthquake. *Proceedings of the Fourth International Conference –Earthquake Engineering and Engineering Seismology*, Borsko Jezero, Serbia, 19-21 May 2014, pp.15-34

## **II.D. Coordon ri / Particip ri în proiecte de cercetare-dezvoltare**

### **Alexa D.**

- Director al proiectului de cercetare CNCS - IDEI *Electric power quality and energy saving using performant power converters for the knowledge based economy*, Code PN-II-ID-PCE-2011-3-0520, Host Institution: SC COMFRAC R&D PROIECT EXPERT SRL, Bucuresti Sector3,

### **Atanasiu G.M.**

- Director al proiectului de cercetare *Road Networks for Earthquake Resilient Societies - Roaders Project*, 2013-2015, Parteneriate, 3003/2013, ERA Net FP7–Concert Japan&TU Ia i.

### **Cristea D.**

- Coordonatorul grupului de limbaj natural de la Institutul de Informatic Teoretic - Filiala Ia i a Academiei Române în proiectul prioritar al Academiei Române „Corpus computațional reprezentativ al limbii române contemporane”.



- Coordonator al proiectului **MappingBooks - Let's jump in the book!** (2014-2016) – finanțat de UEFISCDI prin Programul Parteneriate (PN II, competiția PCCA 2013), codul: PN-II-PT-PCCA-2013-4-1878.
- Membru în Comitetul de Management al acțiunii EC COST **ENeL - European Network of e-Lexicography** (2013-2017) – site-ul oficial: <http://www.elexicography.eu/>.
- Membru al acțiunii EC COST **PARSEME: PARsing Multi-word Expressions** (2013-2017) - site-ul oficial: <http://typo.uni-konstanz.de/parseme/>.
- Membru al acțiunii EC COST **E-READ: Evolution of Reading in the Age of Digitization** (2014-2018) – site-ul oficial: [http://www.academia.edu/7664953/COST\\_IS1404\\_E-READ\\_Evolution\\_of\\_Reading\\_in\\_the\\_Age\\_of\\_Digitisation](http://www.academia.edu/7664953/COST_IS1404_E-READ_Evolution_of_Reading_in_the_Age_of_Digitisation).

#### **Lazăr C.**

- Membru al proiectului de cercetare CNCS - IDEI *Diagonal stability and flow invariance in system engineering. Techniques specialized for classes of dynamics, encompassed by a unified framework*, PN-II-ID-PCE-2011-3-1038, Contract de finanțare 208/05.10.2011 (2011 – 2015), director prof. dr. ing. O. Pstravanu.

#### **Pstravanu O.**

- Director al proiectului de cercetare CNCS - IDEI *Diagonal stability and flow invariance in system engineering. Techniques specialized for classes of dynamics, encompassed by a unified framework*, PN-II-ID-PCE-2011-3-1038, Contract de finanțare 208/05.10.2011 (2011 – 2015)

#### **Popa V.**

- Membru al proiectului de cercetare *Sciex-IMMOPHENOL cooperation project between Switzerland-Romania*.

#### **Pstravanu N.**

- Responsabil UTI la proiectul internațional în desfășurare *EU COST TU1207 –New Generation Guidelines for FRP Composites in Construction*
- Responsabil UTI la proiectul internațional în desfășurare *EU FP7-ENV-603722 "Innovative reuse of all tyre components in concrete" ANAGENNISI*
- Director la proiectul câștigat prin competiție națională *PN II- CAPACITĂȚI -264 EU* (cofinanțare la proiectul ANAGENNISI)

### **III. Prezentări invitate / Comunicări**

1. G. Bunea, G.M. **Atanasiu**, Overview of Romania's seismicity focusing at country and regional Level, *First Split Workshop ERA Net FP7–Concert Japan, Road Networks for Earthquake Resilient Societies - Roaders Project*, October 2013- March 2014, Iasi/Kyoto, pp. 29-53.
2. D. Ciutea D., **G.M. Atanasiu**, Defining seismic resilience within the context of N-E region of Romania, *First Split Workshop ERA Net FP7–Concert Japan, Road Networks for Earthquake Resilient Societies - Roaders Project*, October 2013- March 2014 Iasi/Kyoto.
3. G. Bunea, G., D. Ciutea, **G.M. Atanasiu**, Time history Analysis of Reinforced Concrete Bridge Structure using artificial accelerograms, *The 12<sup>th</sup> Int. Symposium "Computational Civil Engineering*, May 2014, Iasi, pp.8, ISSN 2248-0293.
4. A.L. Kadhim-Abid, **G.M. Atanasiu**, Green Roof performance Simulation using WUFI Software *The 12<sup>th</sup> Int. Symposium "Computational Civil Engineering*, May 2014, Iasi, pp.8, ISSN 2248-0293.

5. Alecsandru Prun , Teodor-Valentin Zbanț, **Dan Cristea** (2014). My Dayly life - A project proposal. Presentare la cel de al 3-lea workshop BringITon!, UAIC - Ia i, 14 noiembrie.
6. Daniela Gifu, **Dan Cristea** (2014). O disput asupra limbii române de dincolo i dincoace de Prut. Conferință la simpozionul Centrului de Comunicare UAIC, 1 noiembrie.
7. Michael Zock, **Dan Cristea** (2014). You shall find the target via its companion words... In search for a model for interconnecting lexicographic resources. Conferință la NLPCS-2014, Venezia, 27-29 octombrie.
8. **Dan Cristea** (2014). Interconnecting lexicographic resources. In search for a model. Conferință invitată la workshopul COST-ENeL, Bled – Slovacia, 29-30 septembrie.
9. **Dan Cristea**, Ionuț Cristian Pistol (2014). MappingBooksJump in the book! Comunicare la Conferința „Resurse lingvistice și instrumente pentru prelucrarea limbii române” – ConsILR-2014, Craiova, 18-19 September.
10. **Dan Cristea** (2014). Semantic Annotations in COROLA, the corpus of Contemporary Romanian Language. Conferință la Simpozionul IIT@30, Academia Român – Filiala Ia i, 20 iunie.
11. **Dan Cristea** (2014). Teaching and research in AI/NLP/CL at UAIC-FII. Conferințe invitate la universit țile din Ternopil și Cernăuți, 25-26 februarie
12. M.Matcovschi, **O. P str vanu**, **M. Voicu**, Computational Criteria for Spectrum Location of Interval Matrices, *Sesiunea de comunic ri tiin ifice a Institutului de Matematic Octav Mayer împreuna cu Comisia de Automatic Teoretic i Teoria Controlului, Zilele Academice Ie ene*, 11 octombrie 2014.
13. **O. P str vanu**, M.Matcovschi, Test Matrices in Stability Analysis of Polytopic Systems – Real vs. Complex Cases, *Sesiunea de comunic ri tiin ifice a Institutului de Matematic Octav Mayer împreuna cu Comisia de Automatic Teoretic i Teoria Controlului, Zilele Academice Ie ene*, 11 octombrie 2014.
14. A.Stîngu, I. Ignat, **V. I. Popa**, Improving phytoremediation process by using *Picea abies* and *Aesculus hippocastanum* residues, *The Earth Day Global Poster Session* 2014.
15. R.E.Ghișescu, A. M.Bühlman, **V.I.Popa**, I.A.Gîlc , G. Fortunato and R. Rossi, Preparation and characterization of electrospun PLGA/catechin nanofibers as drug delivery system by emulsion electrospinning. Paper presented at *International Conference of Applied Science, University „Vasile Alecsandri”*, May 7-9, 2014, Bacau
16. R. E. Ghișescu, A. M. Bühlmann, I.Volf, **V. I.Popa**, G Fortunato, Polyphenols encapsulation by electrospinning to obtain substrates with biological activity, *8th International Conference on Polymer and Fiber Biotechnology, May, 25-27, 2014, Braga, Portugal*
17. **V.I.Popa**, Free radical reactions in biological systems-a concept approached in the researches carried out by professor Cristofor I.Simionescu, Lecture presented at *The 2<sup>nd</sup> CEEPN Workshop on Polymer Science*, Petru Poni, Institute of Macromolecular Chemistry, October, 24- 25, 2014, Ia i
18. C.T nase, I.Boz and **V.I.Popa**, Histo-anatomical aspects in maize (*Zea mais* L.) seedlings developing on deuterium depleted water influence, Paper presented at Symposium, *Biodiversity conservation in context of sustainable development*, Faculty of Biology, A.I.Cuza University, October, 23-25, 2014, Ia i
19. A. T Imaciu, C.T nase, I.Volf and **V.I. Popa**, Influence of polyphenolic compounds

- on *Ocimum basilicum* L. development, Paper presented at Symposium, *Biodiversity conservation in context of sustainable development*, Faculty of Biology, A.I.Cuza University, October, 23-25, 2014 Iași
20. O.C. Bujor, I. Volf, **V.I. Popa** and C. Dufour, Antioxidant activity of bilberry extracts from different morphological parts of three vegetative stages, *2<sup>nd</sup> International Conference on Chemical Engineering*, November, 5-8, 2014, Iași
  21. A.I. Tîlmaciu, L. Lazăr, I. Volf and **V.I. Popa**, Kinetic investigation of the ultrasound assisted extraction of polyphenols from spruce bark, *2nd International Conference on Chemical Engineering*, November, 5-8, 2014, Iași
  22. T. Todorciuc, S. Grama, A.M. Rezmeriță and **V. I.Popa**, Wet ability modifications of birch veneer treated with lignins of different origins and its copper complexes, *2nd International Conference on Chemical Engineering*, November, 5-8, 2014, Iași
  23. A.I. Tîlmaciu, I. Volf, I. Mîmliș and **V.I. Popa**, Supercritical fluid technology applied for polyphenols extraction from *Picea abies* bark: a preliminary study, *2nd International Conference on Chemical Engineering*, November, 5-8, 2014, Iași
  24. O.C. Bujor, C. Mihăilescu, M. Looni, I. Volf, **V.I. Popa** and C. Dufour, Influence of different harvest periods on the phenolic profile and content of leaf, stem and fruit extracts of bilberry, *2nd International Conference on Chemical Engineering*, November, 5-8, 2014, Iași
  25. A. Burlacu, **I. Siminiceanu**, Denitrification of drinking water with a nitrate- selective ion exchange resin, *International Conference of Applied Sciences*, May 7- 9, 2014, University „Vasile Alecsandri” Bacău
  26. **M. Voicu**, An Extension in the PD Controller Case of an Asymptotic Stability Theorem of AQM Supporting Nonlinear TCP Flows. Proceedings of the *3<sup>rd</sup> International Workshop Cyber Physical Systems (IWoCPS - 3)*, Romanian Academy Bucharest, May 29-30, 2014.

#### **IV. Activități editoriale – Membri în colective de redacție, comitete de program, referenți, recenzenți**

##### **Alexandru, N. D.**

- Membru în Colectivul editorial al revistei *Advances in Electrical and Computer Engineering*
- Referent solicitat de revistele *IEEE Communication Letters*, *ETRI Journal*
- Recenzent solicitat de organizatorii manifestărilor științifice *European Conference on the Use of Modern Information and Communication Technologies ECUMICT 2014*, Gent; *Int. Conference on Development and Application Systems DAS 2014*, Suceava, *Communications'2014*, București

##### **Atanasiu G.M.**

- Membru în Colectivul editorial al revistei *Management&Marketing*.
- Membru în Comitetul de program al conferinței *The 4<sup>st</sup> International Symposium IALCCE, Tokyo 2014*,
- Evaluator solicitat în programul *ITN Marie Curie*, Comisia Europeană, 2014.

##### **Dima A.**

- Editor șef al revistei *Metalurgia* (ISSN 0461-9579).
- Editor șef al revistei *Metalurgia International* (ISSN 1582-2214)

##### **Cristea D.**

- Membru în Colectivul editorial al revistei *Journal of Language Modelling*.
- Membru în Comitetul de program al workshopului *BringITon!* - 14-15 noiembrie 2014, Iași, România

- Membru în Comitetul de program *NLPCS* - 11<sup>th</sup> International Workshop on Natural Language Processing and Cognitive Science, 27-29 Octombrie 2014, Veneția, Italia
- Membru în Comitetul de program al conferinței *Computational Linguistics in Bulgaria – CLIB, Sofia*.
- Membru în Comitetul de program *ICSTCC* - 18th International Conference on System Theory, Control and Computing, 17-19 octombrie 2014, Sinaia, România
- Membru în Comitetul de program al conferinței Consorțului de Informatizare pentru Limba Română – ConsILR-2014, 18-19 septembrie 2014, Craiova, Romania
- Membru în Comitetul de program *POItal* – the 9<sup>th</sup> International Conference on Natural Language Processing, 17–19 septembrie 2014, Warsaw, Polonia
- Membru în Comitetul de program *CogAlex*, 23-29 august 2014, Dublin, Irlanda
- Membru în Comitetul de program *LREC*, The 9th Edition of the Language Resources and Evaluation Conference, 26-31 mai, Reykjavik, Island.
- Membru în Comitetul de program *CICLing*, Conference on Intelligent Text Processing and Computational Linguistics, 6-12 aprilie 2014, Kathmandu, Nepal
- Membru în Comitetul de program *RLTNL – TALN 2014*.
- Recenzent al revistei *Language Resources and Evaluation*.
- Evaluator al Comisiei Europene.

#### **Gora L.**

- Membru în Colectivul editorial al revistei *International Journal of Neural Networks and Applications*
- Membru în Colectivul editorial al revistei *Acta Technica Napocensis (Electronics and Telecommunications)*
- Membru în Comitetul de program al conferinței *NEUREL 2014* Belgrad
- Membru în Comitetul de program al conferinței *ESSCIRC 2014* Veneția
- Membru în Comitetul de program al *International Symposium on Fundamentals of Electrical Engineering 2014* București
- Membru în Comitetul de program al *International Symposium on Electronics and Telecommunications ETC 2014*, Timișoara
- Recenzent solicitat de revistele *IEEE Trans Circuits and Systems*, *IEEE Trans Biomedical Engineering*, *IEEE Journal of Solid State Circuits*, *Proceedings of the Romanian Academy, Series A*
- Recenzent solicitat de revista *Zentralblatt für Mathematik*
- Referent solicitat de organizatorii conferinței *CAS, 2014* Sinaia

#### **Lazăr C.**

- Membru în Colectivul editorial al revistei *The Annals of "Dunarea de Jos" University of Galati, Fascicle III: Electrotechnics, Electronics, Automatic Control, Informatics*
- Membru în Colectivul editorial al revistei *Buletinul Institutului Politehnic din Iași, Automatic Control and Computer Science Section*
- Membru în Comitetul de program al Conferinței *IEEE International Conference on Automation, Quality and Testing, Robotics AQTR*, May 22-24, 2014, Cluj-Napoca
- Membru în Comitetul de program al Conferinței *18th International Conference on System Theory, Control and Computing*, October 17-19, 2014, Sinaia
- Referent solicitat de revista *Control Engineering and Applied Informatics*

#### **Pstravanu O.**

- Membru în Colectivul editorial al revistei *Buletinul Institutului Politehnic din Iași, Automatic Control and Computer Science Section*
- Membru în Colectivul editorial al revistei *Revista Română de Informatică și Automatică*

- Membru în Comitetul de program al Conferinței *IEEE International Conference on Automation, Quality and Testing, Robotics AQTR*, May 22-24, 2014, Cluj-Napoca
- Membru în Comitetul de program al Conferinței *18th International Conference on System Theory, Control and Computing*, October 17-19, 2014, Sinaia
- Membru în Comitetul de program al Track 4: "Automated Manufacturing Systems" at the *19th IEEE International Conference on Emerging Technologies and Factory Automation (ETF'A'2014)*, Barcelona.
- Referent solicitat de revistele *IEEE Trans. ASE; CSS Magazine; IMA Journal; Journ. Appl. Math.; Control Engineering and Applied Informatics*.
- Referent solicitat de organizatorii conferințelor *IFAC World Congress 2014*, Johannesburg; *European Control Conf. ECC 2014*, Strasbourg; *DAS 2014*, Suceava
- Recenzent solicitat de revistele *Zentralblatt für Mathematik, Mathematical Reviews*

#### **Popa V. I.**

- Editor ef al revistei *Cellulose Chemistry and Technology*
- Referent solicitat de revistele *Cellulose Chemistry and Technology, Environmental Engineering and Management Journal, Industrial Crops and Products*

#### **Precupanu D.**

- Membru în Comitetul de program al Conferinței *International Scientific Conference CIBv*, November 7-8, 2014, Brasov.

#### **Siminicănu I.**

- Membru în Colectivul editorial al revistei *Revista de Chimie*
- Membru în Colectivul editorial al revistei *Bulletin of Romanian Society of Chemical Engineering*.
- Referent solicitat de revistele *Environmental Engineering & Management Journal, Chemical Engineering Science, Applied Catalysis: B*.

#### **Ț ranu N.**

- Editor ef la revista *Buletinul Institutului Politehnic Iasi, Secția Construcții și Arhitectur*
- Editor asociat la revista *World Journal of Engineering*
- Referent solicitat de manifest rilor științifice *The 14<sup>th</sup> International Scientific Conference VSU'2014*, 5-6 June 2014, Sofia; *The Second International Conference for PhD Students in Civil Engineering and Architecture "Building the community of young researchers"* Cluj-Napoca, 10-12 December 2014; *International Scientific Conference CIBv*, Brasov, 7-8 November 2014.

#### **Voicu M.**

- Membru în Colectivul editorial al revistei *Proceedings of the Romanian Academy Series A: Mathematics, Physics, Technical Sciences, Information Science*
- Membru în Colectivul editorial al revistei *Control Engineering and Applied Informatics (CEAI)*
- Membru în Colectivul editorial al revistei *Romanian Journal of Information Science and Technology (ROMJIST)*
- Editor onorific al revistei *Buletinul Institutului Politehnic Ia i*
- Membru în Colectivul editorial al revistei *Revista Român de Informatic i Automatic*
- Membru în Colectivul editorial al revistei *Transactions on Automatic Control and Computer Science, Univ. „Politehnica” din Timi oara*
- General Chair, *18<sup>th</sup> International Conference on Systems Theory, Control and Computing*, Sinaia 2014
- Recenzent solicitat de revistele *Zentralblatt für Mathematik, Mathematical Reviews*

- Referent solicitat de organizatorii manifest rilor științifice *Int. Conf. on Automation, Quality and Testing, Robotics AQTR 2014 Cluj*; *53rd IEEE Conference on Decision and Control CDC 2014, Los Angeles*; *Applied Computational Intelligence and Informatics SACI 2014, Timi oara*; *Int. Conf. on Development and Application Systems DAS 2014, Suceava*

## **V. Contribu ii deosebite la cre terea vizibilit ii interna ionale a cercet rii tiin ifice din domeniul tehnic în România**

Elaborarea a 26 articole publicate / în curs de apari ie în reviste cotate ISI – Web of Science.  
Co-organizarea celei de a XVIII-a edi ie a Conferin ei Interna ionale *System Theory, Control and Computing, ICSTCC 2014, Sinaia, 17-19 octombrie 2014* - indexat ISI Web of Science, IEEE Xplorer.

### **Pre edinte,**

prof. univ. dr. ing. Mihail Voicu  
m.c. al Academiei Române

### **Secretar,**

prof. univ. dr. ing. Octavian P str vanu