



## Europass Curriculum Vitae

### Informatii personale

Nume / Prenume IONESCU ADELA JANETA  
Adresa Calea Bucuresti no 44, P5-1-11, 200490 Craiova  
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E-mail [adela0404@yahoo.com](mailto:adela0404@yahoo.com), [adelajaneta2015@gmail.com](mailto:adelajaneta2015@gmail.com), [ionescu.adela@ucv.ro](mailto:ionescu.adela@ucv.ro)  
Nationalitate romana  
Data nasterii 18.09.1970  
Sex F

### Experienta in munca

17 ani

Data 10/2003 - prezent  
Ocupatia/Pozitia detinuta Lector universitar  
Activitati si responsabilitati principale Cercetare si predare in Departamentul de Matematici Aplicate, Universitatea din Craiova  
Numele si adresa angajatorului Universitatea din Craiova, Str A.I. Cuza Street Nr 13, 200585, Craiova, Dolj, Romania  
Tipul de activitate / sector Cercetare si invatamant superior

Data 10/1999 to 10/2003  
Ocupatia/Pozitia detinuta Asistent universitar  
Activitati si responsabilitati principale Facultatea de Ingineria si Managementul Sistemelor Tehnologice, Universitatea din Craiova.  
Numele si adresa angajatorului Universitatea din Craiova, Str. A.I. Cuza Street Nr 13, 200585, Craiova, Dolj, Romania  
Tipul de activitate / sector Cercetare si invatamant superior

Data 1997-1999  
Ocupatia/Pozitia detinuta Matematician  
Activitati si responsabilitati principale Cercetare in Ingineria Aplicata  
Numele si adresa angajatorului Institutul pentru Analiza Sistemelor- INAS, Craiova  
Tipul de activitate / sector Cercetare aplicata

### Educatie si instruire

Data 10/1998-12/2002  
Titlul calificarii primite Doctor in Stiinte Ingineresti  
Domenii principale / aptitudini ocupationale acoperite Biomatematica, Biotehnologie, Inginerie Industriala  
Numele si tipul organizatiei de educatie si instruire Universitatea Politehnica Bucuresti  
Nivelul de clasificare nationala sau internationala ISCED 8

Data 10/1995-06/1996  
Titlul calificarii primite Master in matematica  
Domenii principale / aptitudini ocupationale acoperite Mathematica aplicata

Numele si tipul organizatiei de educatie si instruire	Universitatea din Craiova
Nivelul de clasificare nationala sau internationala	ISCED 7
Data Titlul calificarii primite	10/1990-06/1995 Licenta in Matematica
Domenii principale / aptitudini ocupationale acoperite	Matematica, Informatica
Numele si tipul organizatiei de educatie si instruire	Universitatea din Craiova
Nivelul de clasificare nationala sau internationala	ISCED 6
Cursuri absolvite	2013: Curs Post –Universitar in „Didactica Matematicii”. Proiect cu finantare POSDRU 2007-2013, intitulat: „Calitate, progress, si comunicare in sistemul de formare continua pentru profesorii universitari  2007: Scoala de Vara Internationala „Caracteristic p- Methods in Algebraic Geometry”, Dr. Tr. Severin. Organizatori: ramura MH a SSMR (Society de Stiinte Mathematical din Romania), si IMAR (Institutul de Mathematica al Academiei Romane)

### Competente si aptitudini personale skills

Limba materna  
Alte limbi  
Auto-evaluare / Certificat Oficial  
European level (\*)

**Romana**

**English**  
**French**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user
B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user  
(\* [Common European Framework of Reference for Languages](#).)

Aptitudini si competente Sociale	Aptitudinea de a lucra in echipa
Aptitudini si competente Organizationale	Atentie la detalii; Orientare concentrata
Aptitudini si competente computationale	Buna manuire a soft urilor: Microsoft Word™, MatLab, Maple, C++, Scientific WorkPlace, Latex
Domenii de competenta	Ecuatii diferentiale si sisteme dinamice; Dinamica Computationala a Fluidelor; Analiza Calitativa si Tehnici de optimizare pentru modele industriale

### Informatii Aditionale

Apartenenta la societati stiintifice	SSMR -membra ROMAI (Romanian Society of Applied and Industrial Mathematics) – membra IAENG (International Association of Engineering) – membra Romanian Society of Bioengineering – membra ESF (European Scientific Foundation) - membra
Reviewer/ Editor Asociat	IST Transactions (International Science and Technology Group) Canada – reviewer WMSCI Florida, SUA – permanent reviewer permanent FILOMAT, Univ os Nis, Serbia – reviewer Engineering Applications of Computational Fluid Mechanics, Hong Kong Politechnic University – reviewer InTech Press, NoviSad, Croatia – Editor Asociat

Citari Cursuri (predate)	28 citari in Google Scholar, 8 citations in Scopus papers, 5 citations in ISI Web of Science Statistica, (ciclu de licenta), Facultatea de Mecanica; Analiza Matematica (ciclu de licenta), Facultatea de Mecanica; Matematici Speciale (ciclu de licenta), Facultatea de Mecanica; Sisteme Informatice in Logistica, ciclul de master, Facultatea de Mecanica.
Participari la conferinte Publicatii	<p>40 Conferinte Internationale din 1994 (In Anexa, la sfarsitul CV, si inserate mai jos)</p> <p>Monografii:</p> <ul style="list-style-type: none"> <li>• Costescu, M., Ionescu, A, Prelucrarea Informatiionala a datelor de masurare, Editura Universitaria Craiova, 2004, ISBN: 973-8043-298-8</li> <li>• Grecu, L., Ionescu, A, Capitoile de Algebra, Ed. Universitaria, 2004, ISBN: 973-8043-75</li> <li>• Ionescu, A., Costescu, M., Grecu, L., Elemente de calcul numeric. Modele Computationale. Ed. Universitaria, Craiova, 2005, ISBN: 973-742-155-8</li> <li>• Ionescu, A., Prelucrarea Informatiionala a datelor de masurare (editia a doua), Ed. Reprograph Craiova, 2007, ISBN: 978-973-671-142-8</li> <li>• Ionescu, A. Recent trends in computational modeling of excitable media dynamics. Lambert Academic Press 2010, Saarbrucken, Germany. ISBN 978-3-8383-9316-2</li> <li>• Ionescu A., Tendinte recente in dinamica computationala a mediilor excitabile. Ed. Aius Craiova 2011, ISBN: 978-606-562-075-9</li> </ul> <p>Capitole in carti:</p> <ul style="list-style-type: none"> <li>• Ionescu, A., Influence of simulation parameters on the excitable media behavior – The case of turbulent mixing, in Thermodynamics. Fundamentals and its applications in science. Ricardo Morales-Rodriguez (Ed.). InTech Press, Novisad, Croatia, 2012, pp 419-445, ISBN 978-953-51-0779-8</li> </ul> <p>Jurnale ISI:</p> <ul style="list-style-type: none"> <li>• Coman, D., Ionescu, A., "Computational analysis of the Cauchy problem associated to the kinematic model of a mobile robot". Boundary Value Problems (Springer Open Journal) 2013, <b>2013</b>:138. doi:10.1186/1687-2770-2013-138</li> <li>• Ionescu, A., Coman, D., New approaches in computational dynamics of mixing flow. Applied Mathematics and Computation, vol.218, issue3, (oct.2011), pp. 809-816, ISSN 0096-3003</li> <li>• Ionescu, A., Costescu, M., The influence of parameters on the phaseportrait in the mixing model. Int. J. of Computing, Communications, Control, vol.3 (2008), suppl. issue: Proceedings of ICCCC2008, pag. 333-337, ISSN 1841-9836</li> <li>• Ionescu, A., Costescu, M., Computational Aspects in Excitable Media. The case of vortex phenomena. Int.J. of Computing, Communications, Control, vol1(2006), Suppl. Issue: Proceedings of ICCCC2006, pp. 280-284, ISSN 1841-9836</li> </ul> <p>Alte lucrari relevante: ANEXA 1</p>

Lector.univ. dr. Adela Janeta Ionescu

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## ANEXA 1 IONESCU ADELA JANETA

### BDI

- Ionescu, A., Munteanu, F., "A geometrical and computational analysis of Chua's circuit system". 2016 International Conference on Applied and Theoretical Electricity (ICATE), IEEE Xplore, pp 1-5, ISBN 978-1-4673-8563-3, <http://ieeexplore.ieee.org/document/7754602>
- Ionescu, A., Lefebvre, M., Munteanu, F., "Optimal Control of a Stochastic Version of the Lotka Volterra model", General Mathematics, vol 24, No1, 2016, pp 3-10, ISSN 1221-5023
- Ionescu, A., Munteanu, F., "On the feedback linearization for the 2d prey-predator dynamical systems", Bulletin of Politechnic University Timisoara, Mathematics-Physics Series, No60(74), Vol2, 2015, pp 17-25, ISSN 1224-6069
- Ionescu, A., Militaru, R., Munteanu, F., "Geometrical Methods and Numerical Computations for Prey-Predator Systems". British Journal of Mathematics & Computer Science, vol.10(5), 2015, pp.1-15. doi : 10.9734/BJMCS/2015/19270
- Ionescu, A., Coman, D., "Computational Analysis for the Dynamical System Associated to an Access Control Structure". British Journal of Mathematics & Computer Science, vol 11(3), 2015, pp 1-13, doi: 10.9734/BJMCS/2015/19280
- Ionescu, A., Coman, D., Qualitative behavior of mixing phenomena – the case of axisymmetric extensional flows. Proceedings of International Conference NOLASC'08 (Non-Linear Analysis and Chaos), 26-28.10.2008, Corfu, Grecia
- Ionescu, A., Recent challenges in turbulence: computational features of turbulent mixing. Recent advances in Continuum Mechanics (Proceedings of the 4th IASME/WSEAS International Conference), Mathematics and Computers in Science and Engineering, Cambridge U.K., 24-26 feb 2009, pag. 29-38, ISSN 1790-2769
- Coman, D., Ionescu, A., Performance evaluation of a flexible Manufacturing system using timed Petri Nets, Proceedings of DAAAM 2009, Wien, 25-28 nov 2009, pag. 1815-1817, ISSN 1726-9679
- Coman, D., Ionescu, A., Motion control on the soccer robot based on fuzzy logic. Advances in Computational Science (Proceedings of the 6-th International Conference of Computational Methods in Science and Engineering ICCMSE), 25-30.09.2008, Creta, Greece, pag. 57-60, ISSN 0094-243X
- Ionescu, A., Savu, D., Savu, S., Coman, D. Computational features of flow modeling in nano-structured sensors, AIP Conference Proceedings 1117 (Proceedings of the 1 st International Conference Bio-Inspired Computational Methods used for Solving Difficult Problems - BICS2008), 05-07 nov 2008, Tg Mures Romania, pag. 125-133, ISSN 0094-243X

### BDI, B+, CNCSIS

- Coman, D., Ionescu, A., Mobile Robot Trajectory Analysis Using Computational Methods. Advanced Materials Research, vol 837(2014), pp. 549-554, Trans Tech Publications, Switzerland. doi:10.4028/www.scientific.net/AMR.837.549
- Coman, D., Ionescu, A., Simulation and Performance Analysis of a FMS/CIM using Stochastic Timed Petri Nets. Advanced Materials Research, vol 837(2014), pp. 322-327, Trans Tech Publications, Switzerland. doi:10.4028/www.scientific.net/AMR.837.322
- Ionescu, A., Coman, D., Parameter case simulation for mobile robot kinematics. Advances in Engineering and Management, ADEM2012, Universitaria Pres Craiova, 2012, pp. 189-193, ISBN 978-606-14-0562-6
- A. Ionescu, A., Nicolicescu, C., Bucse, I., Ghercioiu, J., Modelling and simulating the pressing process of iron powders with different particle sizes. Recent (Industrial Engineering Journal), Univ. Transilvania Brasov, vol12 (2011), no3(33), pag. 307-311, ISSN 1582-0246
- Ionescu, A., Coman, D., Improving the behavior quality of excitable media phenomena using recent computational tools. Recent (Industrial Engineering Journal), Univ. Transilvania Brasov, vol 10(2009), no3(27), pag. 303-309, ISSN 1582-0246
- Coman, D., Ionescu, A., Florescu, M., Manufacturing system modeling using Petri Nets. Recent (Industrial Engineering Journal), Univ. Transilvania Brasov, vol 10(2009), no3(27), pag. 207-213, ISSN 1582-0246
- Bucse, I., Ciupitu, I., Ionescu, A., The analysis of the technological parameters influence in obtaining the alloyed sintered steels by two-steps sintering. Recent (Industrial Engineering Journal), Univ. Transilvania Brasov, vol 10(2009), no3(27), pag. 181-187, ISSN 1582-0246
- Ionescu, A., New approach for the turbulent mixing study – the behavior of vortical flows from computational standpoint. Acta Universitatis Apulensis Journal, Special Issue – Proceedings of the International Conference on Theory and Applications of Mathematics and Informatics ICTAMI 2009, Aeternitatis Publishing House, Alba Iulia 2009, pag. 13-22, ISSN 1582-5329
- Ionescu, A., Sebes, G., Savu, S., Analytic and experimental processing of the termic cycle for one-direction microwave field welding. ASR Proceedings, 30.09-20.10.2009, "Welding Press" Tr. Severin, pag. 171-178, ISSN 1843-4738
- Ionescu, A., Some qualitative features of 2D periodic mixing model. Acta Universitatis Apulensis (Mathematics/Informatics), no 15 (2008), pag. 387- 396. ISSN: 1582-5329

- Ionescu, A., Savu, D., Savu, S., Coman, D., Computational features of flow modeling in nanostructured sensors. Proceedings of International Conference BICS'08, 06-07.11.2008, Univ. Petru Maior, Tg Mures
- Coman, D., Ionescu, A., Petrisor, A., Petri nets based approaches to the control of the soccer robots. Bull of Trans Univ of Brasov, vol 15 (50), series A, Spec. issue, Proc of 4-th International Conference of Robotics, 13-14.11.2008, pag. 237-244, ISSN 1223-9631
- Ionescu, A., Some qualitative features of 2D periodic mixing model. Acta Universitatis Apulensis (Mathematics/Informatics), no 15 (2008), pag. 387- 396. ISSN: 1582-5329
- Ionescu, A., Coman, D., Costescu, M., A Computational Approach of Turbulent Mixing. The trajectories analysis. Recent Journal, vol 8 (2007), no 3b, edited by: Transilvania University, CCMSP, and CES-PROMAT Brasov .ISSN : 1582-0246, pag. 498-501
- Costescu, M., Ionescu, A., The data quality, basic condition for the soundings results. The Annals of Social Researches Institute „C. Nicolaescu-Plopsor”, VIII/2007, p.337-346, ISSN 1841-0898.
- Ionescu, A. Some qualitative features of turbulent mixing for far from equilibrium phenomena. Acta Universitatis Apulensis (Mathematics- Informatics), Univ. din Alba-Iulia, vol 11/2006, pag 19-29, ISSN: 1582-5329
- Ionescu, A. The qualitative study of the mixing for the tendril-whorl flow. Proceedings of ICEEMS2005 (International Conference on Economic Engineering and Manufacturing Systems), 20-22.10.2005, pag 197-202, ISBN: 973-635-592-6
- Ionescu, A. Aspects of the qualitative analysis of periodic turbulent two-dimensional systems. Proceedings of International Conference NavMarEdu2005. 02-04.06.2005, Constanta, pag 183-191, ISBN: 973-8303-54-0
- Ionescu, A. Generic properties for two-dimensional systems. General Mathematics Review, vol 11, nr.3/4, 2003, Sibiu, pag 53-60, ISSN 1211-5023
- Ionescu, A. Evaluation in discrete time for 3D systems of multiphase turbulent flow Proceedings of International Conference on Economic Engineering and Manufacturing Systems, Brasov, 23-24.10.2003, pag 217-224, ISBN: 973-635-216-1
- Ionescu, A. Numeric simulation in discrete time for 3D turbulent mixing. Proceedings of CSCS14 (The 14-th International Conference on Control Systems and Computer Science, Politechnic Univ.Bucarest). 2-5.07.2003, vol2, pag 535-540, ISBN: 973-8449-17-0
- Ionescu, A., Challenges in biomathematics: recent results on modeling the excitable media. Proceedings of International Conference “Several Aspects of Biology, Chemistry, Computer Science, Mathematics and Physics”, Univ of Oradea, 2005, pag 29-41. ISBN: 973-759-142-9.
- Ionescu, A., Asimptotic behavior in vortex phenomena: significant events. ROMAI Journal, vol 2 no2 (2006), pag 89-93, ISSN: 1841-5512
- Ionescu, A. The discrete time analysis of the turbulence in excitable media, ROMAI J., Vol I no2 (2005), pag. 109-113, ISSN: 1841-5512

## ALTE COTATII

- Ionescu, A., Costescu, M. Approach to Categorization and Labeling of Qualitative Data. Rev de Stiinte Politice, vol 11(2006), pag 84-88, ISSN: 1584-224X
- Ionescu, A., Costescu, M. Special features in turbulent mixing. Comparison between periodic and non periodic case. Surveys in Mathematics and its applications, vol 1(2006) pag. 33-41, ISSN: 1842-6298
- Ionescu, A., New features in simulating the behavior of turbulent mixing flow. The 16-th Conference on Applied and Industrial Mathematics (CAIM2008), Oradea, 09-12.10.2008
- Ionescu, A., Costescu, M., Numerical approaches in turbulent mixing. The perturbed 2D model. CAIM2007 (The 15-th Conference on Applied and Industrial Mathematics), Pitesti, 14-16.10.2007
- Coman, D., Petrisor, A., Ionescu, A., Florescu, M., Role selection mechanism for the Soccer Robot System using Petri Net. EUROCON 2007 Proceedings, editat de Warsaw University of Technology, ISBN: 1-4244-0813-X, pag. 662-667.
- Ionescu, A., Costescu, M. Rare events in Vortex Phenomena. Qualitative Features. Proceedings of International Conference MATEHN'06 (Materials and Manufacturing Technologies), 21-23.09.2006, Cluj-Napoca.
- Ionescu, A., Costescu, M. The parameter influence in the study of rare events in mixing phenomena. Proceedings of CAIMXIV (The XIVth Conference on Applied and Industrial Mathematics), 17-19.08.2006, Chisinau, Moldova Republic .
- Ionescu, A. Spline functions for approaching elementary numeric analysis. Review of the Society of Mathematical Sciences Mehedinti, no. 1/2004, pag 10-13
- Ionescu, A. Mathematical patterns associated to activator-inhibitor mechanisms. Proceedings of the workshop “Actuators in Bioengineering”. Politechnic University Bucarest, 11.06.1999.
- Ionescu, A., Georgescu, A. The existence of a center manifold for the normalized Gierer-Meinhardt system. Proceedings of CAIM VII, 13-15.10.1999. Bucarest.
- Ionescu, A. Reducing the pray-predator dynamic systems with the center manifold method. Proceedings of the workshop „Modern Biotechnologies and Environment Problems”. 24. 04. 1998, Politechnic University Bucarest.
- Georgescu, A., Ionescu, A. Dynamics and bifurcation in a biological model. Proceedings of the Conference on Dynamical Systems in Biology and Medicine. Univ. of Veszprem. 17-20 .07. 1996, Veszprem, Ungaria
- Ionescu, A., Georgescu, A. On the existence of a center manifold for a biological system. Proceedings of CAIM IV, 14-17 .10.1996, Bucarest.
- Ionescu, A. On Kneser type theorems for linear differential equations in Banach spaces. Proceedings of CAIM III, 15-17.10.1995, Bucarest.
- Ionescu, A. Two possibilities of minimization for the renewal function. Proceedings of CAIM II, 14-16.10. 1994, Bucarest.

- Ionescu, A. On the minimum criterion in optimal models for the left ventricular ejection, Proceedings of CAIM II, 14-16 .10. 1994, Bucarest.