

## Informații personale



Nume / Prenume **Sacala Ioan Stefan**  
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Naționalitate(-tăți) Romana  
Data nașterii  
Sex M

## Experiența profesională

Perioada 2020 - prezent  
Funcția sau postul ocupat Profesor  
Activități și responsabilități principale Predare, Cercetare  
Numele și adresa angajatorului Universitatea Politehnica din Bucuresti, Facultatea de Automatica si Calculatoare  
Tipul activității sau sectorul de activitate TIC, Automatizari  
Perioada 2015 – prezent  
Funcția sau postul ocupat Conferentiar  
Activități și responsabilități principale Predare, Cercetare  
Numele și adresa angajatorului Universitatea Politehnica din Bucuresti, Facultatea de Automatica si Calculatoare  
Tipul activității sau sectorul de activitate TIC, Automatizari  
Perioada 2011 – 2015  
Funcția sau postul ocupat Sef de Lucrari  
Activități și responsabilități principale Predare, Cercetare, directorul grupului de cercetare „Future Internet Enterprise Systems”  
<http://acse.pub.ro/research/acse-research-groups/future-internet-enterprise-systems-fines/>  
Numele și adresa angajatorului Universitatea Politehnica din Bucuresti, Facultatea de Automatica si Calculatoare  
Tipul activității sau sectorul de activitate TIC, Automatizari  
Perioada 2009 – prezent  
Funcția sau postul ocupat Cercetator

Activități și responsabilități principale	Activitate de cercetare desfasurata in cadrul Universitatii Politehnica din Bucuresti in cadrul a 2 proiecte de cercetare FP7 COIN si UNITE, precum si angajat in functia de asistent manager in cadrul proiectului de fonduri structurale COMHIGHTECH "Cresterea competitivitatii intreprinderilor prin perfectionarea si specializarea resurselor umane in domeniul noilor tehnologii, intr-o societate bazata pe cunoastere si pentru o dezvoltare durabila"
Numele și adresa angajatorului	Universitatea Politehnica din Bucuresti, Facultatea de Automatica si Calculatoare
Tipul activității sau sectorul de activitate	TIC, Automatizari
Perioada	2008-2011
Funcția sau postul ocupat	Cadru universitar consultant
Activități și responsabilități principale	Activitate didactica si de cercetare stiintifica privind arhitectura calculatoarelor, programare web, e-commerce si e-business
Numele și adresa angajatorului	Universitatea ARTIFEX Bucuresti
Tipul activității sau sectorul de activitate	Invatamant superior
Perioada	2007- 2011
Funcția sau postul ocupat	Asociat SC SAJI ASSOCIATES SRL
Activități și responsabilități principale	- Dezvoltarea de aplicatii web axate pe turism si e-commerce in HTML, PHP, MySQL, CSS, Photoshop - Crearea unui portal pentru Ecosisteme Digitale de Afaceri, Internet of Future, RFID, WEB 3.0

## Educație și formare

Perioada	2007- 2011
Calificarea / diploma obținută	Doctorand in automatica
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea Politehnica Bucuresti
Perioada	2007-2009
Calificarea / diploma obținută	Disertatie media 9.50, Master in ingineria Sistemelor Informatice Integrate
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea Politehnica Bucuresti, Facultatea de Automatica si Calculatoare
Perioada	2003-2007
Calificarea / diploma obținută	Licentiat in geografie – Licenta media 10
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea Bucuresti Facultatea de Geografie
Perioada	2002-2007
Calificarea / diploma obținută	Inginer Diplomat Licenta media 9
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea POLITEHNICA Bucuresti Fac. Automatica si Calculatoare
Perioada	1998-2002
Calificarea / diploma obținută	Examen de bacalaureat 9.45
Numele și tipul instituției de învățământ / furnizorului de formare	Liceul Alexandru Ioan Cuza, Bucuresti

## Aptitudini și competențe personale

Limba(i) maternă(e)

Romana

Limba(i) străină(e)  
cunoscută(e)

Autoevaluare

Nivel european (\*)

**Engleza**

**Franceza**

**Spaniola**

Înțelegere				Vorbire				Scriere	
Ascultare		Citire		Participare la conversație		Discurs oral		Exprimare scrisă	
C2	Utilizator experimentat	C2	Utilizator experimentat	C2	Utilizator experimentat	C2	Utilizator experimentat	C2	Utilizator experimentat
B2	Utilizator independent	B2	Utilizator independent	B2	Utilizator independent	B2	Utilizator independent	B2	Utilizator independent
B2	Utilizator independent	B2	Utilizator independent	B2	Utilizator independent	B2	Utilizator independent	B2	Utilizator independent

(\*) Nivelul Cadrlui European Comun de Referință Pentru Limbi Străine

Competențe și aptitudini

- Abilitate de lider, Competente organizatorice
- Abilitati de comunicare
- Creativitate
- Sisteme de operare: Windows, IOS
- Limbaje de programare: Lab View, Matlab, HTML, PHP, SQL, PLSQL, C, C++, PASCAL, JAVA

## Alte competențe și aptitudini

- Premiu de inovare acordat de Consiliul National al Rectorilor, Metoda si dispozitiv de control hibrid "Viteza - Pozitie" cu aplicatii la platforme inteligente de control;
- Medalia de Aur la Salonul International de Inventica de la Geneva, 2017, pentru inventia "Method and device for hybrid position speed control applied to intelligent platform control";
- Turk Patent Award for invention: Method and Device for Hybrid Position Speed Control Applied to Intelligent Platform Control , L. Vladareanu, R. I. Munteanu, I. Dumitrache, M. Moisescu, I. Sacala et al, International Exhibition of Inventions of Geneva, 2017;
- APIICIS Special Award for Contribution to Inovation for Method and Device for Hybrid Position Speed Control Applied to Intelligent Platform Control , L. Vladareanu, R. I. Munteanu, I. Dumitrache, M. Moisescu, I. Sacala et al, International Exhibition;
- Hong Kong Politechnic University, Institute for Entrepreneurship, Excellent Invention award for Contribution to Inovation for Method and Device for Hybrid Position Speed Control Applied to Intelligent Platform Control , L. Vladareanu, R. I. Munteanu, I. Dumitrache, M. Moisescu, I. Sacala et al, International Exhibition of Inventions of Geneva, 2017;
- Membru in diferite proiecte de cercetare nationale, proiecte europene si proiecte de fonduri structurale
- Participare in colectiul de realizare a diferite propuneri de proiecte de cercetare finantate de statul roman, propuneri de proiecte finantate din fonduri structurale si proiecte FP7.
- Membru in urmatoarele asociatii profesionale: Societatea Romana de Automatica si Informatica Tehnica, Societatea Romana de Robotica, Societatea Romana de Statistica, Membru al American Academy of Project Management Global & Presidential Board & Advisory Council
- Expert tehnic-judiciar in cadrul Ministerului Justitiei in urmatoarele specializari: Calculatoare, Informatica, Automatica si Informatica Industriala, Retele si Software de Telecomunicatii.
- Keynote speaker la diferite conferinte internationale indexate ISI sau BDI si simpozioane doctorale
- Chair in cadrul a diferite sesiuni invitate
- Profesor invitat in cadrul New University of Lisbon, Portugalia
- Membru in diferite comisii de sustinere a tezelor de doctorat, atat la nivel national, cat si international
- Recenzor stiintific – Conferinte indexate in baze de date internationale, simpozioane, si jurnale cu factor de impact
- Editor in cadrul jurnalului Control Engineering and Applied Informatics (ISI Impact Factor = 0.695)
- Evaluator la diferite congrese si simpozioane.
- Membru in comitetul de organizare la diferite conferinte (PC, IPC, ITC)
- Conducere cursuri, seminarii, lucrări de laborator la disciplinele:
  - Actionari
  - Proiectarea Sistemelor Inteligente – Cyber Physical Systems
  - Sisteme de Comunicatie si interoperabilitate
  - Sisteme Integrate pentru Managementul Resurselor de Intreprindere
  - Sisteme dinamice cu evenimente discrete
  - Management de proiect
  - Sisteme avansate de comunicatie
  - Prelucrarea informatiei
  - Modelarea proceselor de lucru si managementul cerintelor
  - Managementul Proiectelor de cercetare
  - Ingineria Afacerilor in Mediul Electronic
- American Academy of Project Management - Certified International Project Manager (CIPM)
- Certificare academica Oracle Data Modeling and Relational Database Design, Oracle Service Oriented Architecture Fundamentals,
- IBM Academic Certificate in Websphere Business Process Modeling
- Reprezentant Oracle eBusiness Suite
- Oracle partner for Human Resources Training
- YOKOGAWA academic representative in security systems: PROSAFE RS application
- Braincench Certificate
- Keynote speaker within "Computational Modeling of Combustion and Multi Phases in Advanced Energy Systems"
- Keynote speaker within "International Summer School on High Performance Computing and Cloud Computing for Sustainable Development", 2011, 2012

## Informații suplimentare **Lucrari publicate:**

### 2007

1. Aurelian Stănescu; Ioan Dumitrache; Ioana Mihu; Mihnea Moiescu; Monica Voinescu; Ioan Sacala; "Crossdomain Environment - Health INTEROPERABLE Metasystem" IFAC- MCPL 2007 Romania, Preprints, Eds: O.Bologa, I Dumitrache, F.G Filip ISBN 978-973-739-481-1 pg 229

### 2008

1. Aurelian M. Stanescu, Lucian M. Ionescu, Adina Florea, C.Serbanescu, Mihnea A. Moiescu, Ioan S. Sacala, Towards great challenge for Enterprise Science within Knowledge – based Society paradigm, INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL Volume: 3 Pages: 491-496 Published: 2008, Publisher: CCC PUBL-AGORA UNIV, PIATA TINERETULUI 8, ORADEA, JUD, BIHOR, 410526, ROMANIA, ISSN: 1841-9836, ISI Proceedings, WOS:000257497600081

2. Aurelian Stănescu, Dimitris Karagiannis, Mihnea A. Moiescu, Ioan S. Sacală, Valentin Manoiu, TOWARDS A HOLISTIC APPROACH FOR INTELLIGENT MANUFACTURING SYSTEMS SYNTHESIS IMS'08: Proceedings of the 9th IFAC Workshop on Intelligent Manufacturing Systems, Szczecin, Pologne, October 2008, ISBN: 9781617389924

3. A.M.Stanescu, M.A.Moiescu, I.S.Sacala; A Nita, FROM INDUSTRIAL ROBOTICS TOWARDS INTELLIGENT ROBOTIC SYSTEMS, 4th International IEEE Conference Intelligent Systems, Date: SEP 06-08, 2008 Varna BULGARIA Source: 2008 4TH INTERNATIONAL IEEE CONFERENCE INTELLIGENT SYSTEMS, VOLS 1 AND 2 Pages: 306-310 Published: 2008, Publisher: IEEE, 345 E 47TH ST, NEW YORK, NY 10017 USA, ISBN: 978-1-4244-1739-1, ISI Proceedings, WOS:000263194700050

4. Aurelian Mihai Stanescu, Mihnea Alexandru Moiescu, Ioan Stefan Sacala; COMPLEXITY ISSUES REGARDING INTELLIGENT ROBOTIC SYSTEMS, International Conference on Complexity and Intelligence of the Artificial and Natural Complex Systems - Medical Applications of the Complex Systems Biomedical Computing, Date: NOV 08-10, 2008 Petu Maior Univ Tg Mures ROMANIA Source: COMPLEXITY IN ARTIFICIAL AND NATURAL SYSTEMS, PROCEEDINGS Pages: 31-36 Published: 2008, Publisher: EDITURA UNIVERSITATII PETRU MAIOR TARGU-MURES, STR N LORGA NR 1, TG MURES, 540088, ROMANIA, ISBN: 978-973-7794-76-5, ISI Proceedings, WOS:000264924800004

5. Aurelian Mihai Stanescu, Ioan Dumitrache, Mihnea Alexandru Moiescu, Ioan Stefan Sacala, From Extended Enterprise Towards the Collaborative Network Organization in Aeronautics Industry - Conferinta Internationala de stiinte Aeronautice Bucuresti, ROMANIA AEROSPATIAL 2008, 1 - 2 Octombrie 20, Volum: Aeronautica 2008 pg 742-755, ISBN 978-973-0-05704

### 2009

1. I.Dumitrache, A.M.Stanescu, S.I.Caramihai, M.Voinescu, M.A.Moiescu, I.S.Sacala, KNOWLEDGE MANAGEMENT BASED SUPPLY CHAIN IN LEARNING ORGANIZATION, Incom 2009, *Proceedings of the 13th IFAC Symposium on Information Control Problems in Manufacturing (INCOM09)*, Moscow, Russia, June 3-5, N. Bakhtadze, A. Dolgui (Eds.), Elsevier Science, 2009, IFAC-PapersOnline.net (ISSN 1474-6670).

2. Aurelian Mihai Stanescu, Alexandru Vedes, Mihnea Alexandru Moiescu, Ioan Stefan Sacala and Irina Gabriela Lolu, Towards an Artificial Intelligence Robotic System within the Internet of Things, Proceedings of the RAAD 2009 18th International Workshop on Robotics in Alpe-Adria-Danube Region May 25-27, 2009, Brasov, Romania, ISBN 978-606-521-315-9, ISSN 2066-4745, 2009

3. Aurelian Mihai Stanescu, Mihnea Alexandru Moiescu, Ioan Stefan Sacala, Natalia, " Costeschi Human Centered Collaborative Robotic System Conceptual Design", in Olaru A, Ciupitu L, Olaru S Eds, 4<sup>nd</sup> International Conference "Optimization of the Robots and Manipulators" OPTIROB 2009- Constanta, 28-31 May 2009, ISSN 2066 – 2854, Bren Publishing House, Bucharest, pp 275-280

4. Aurelian Mihai Stanescu, Mihnea Alexandru Moiescu, Ioan Stefan Sacala, Irina Lolu, COMPLEX ADAPTIVE SYSTEMS FOCUSED INTELLIGENT MANUFACTURING, The 6<sup>th</sup> Symposium on Process Control 2009 Ploiesti, ISSN: 1224-8495, pg. 3-10, plenary lecture

5. Aurelian Mihai Stanescu, Ioan Dumitrache, Octavian Stanasila, Nicolae Vasiliu, Mihnea Alexandru Moiescu, Ioan Stefan Sacala, ARCHE3S: first Living Lab enabler in Romania aiming at cross domain synergy-based approach to sustain SMEs, Klaus-Dieter Thoben, Kulwant S Pawar, Bernhard Katzy & Robert Bierwolf (eds), in Proceedings of the 15<sup>th</sup> International Conference on Concurrent Engineering ICE2009 'Collaborative Innovation Emerging Technologies, Environments and Communities' Leiden, Netherlands, 22-24 June 2009 ISBN 978 085358 259 5

6. Aurelian Mihai Stanescu, Mihnea Alexandru Moisescu, Ioan Stefan Sacala, Cornel Vintila, Adela Cornescu, Towards a New Science Foundation of Collaborative & Concurrent Enterprising, Klaus-Dieter Thoben, Kulwant S Pawar, Bernhard Katzy & Robert Bierwolf (eds), in Proceedings of the 15<sup>th</sup> International Conference on Concurrent Enterprising ICE2009 'Collaborative Innovation Emerging Technologies, Environments and Communities' Leiden, Netherlands, 22-24 Iunie 2009 ISBN 978 085358 259 5
7. A.M.Stanescu, I.Dumitrache, S.I.Caramihai, M.A.Moisescu, I.S.Sacala, The Grand Unification: Emerging Sciences to Support Interoperability Based Complex Adaptive Systems in Intelligent Manufacturing, Congrès International de Génie Industriel 2009 Tarbes, France, juin 2009
8. Cristian Suci, Ioan Stefan Sacala, Mihnea Alexandru Moisescu, Towards the Development of e-Services for Tourism in Romanian Business Ecosystem, Conferinta Internationala: Strategii Globale in Agricultura, Agroturism, Alimentatie si Protectia Mediului, Book of Abstracts, 2009, ISBN 978-973-1887-74-6, pg 65-66
9. Cristian Suci, Mihnea Alexandru Moisescu, Ioan Stefan Sacala, Towards the Integration of Intelligent Packaging in Romanian Food Industry, Conferinta Internationala: Strategii Globale in Agricultura, Agroturism, Alimentatie si Protectia Mediului, 2009, Book of Abstracts, ISBN 978-973-1887-74-6, pg 80-81
10. Mihail Dumitru Sacala, Aurelian Mihai Stanescu, Monica Dragoicea, Mihnea Alexandru Moisescu, Ioan Stefan Sacala, Towards the Development of the Probability Calculation Methods for the Appearance and Development of Entity Inter-Connections within a Digital Business EcoSystem, IN: Lepadatescu D, Mastorakis N. E., Eds, ADVANCES in MANUFACTURING ENGINEERING, QUALITY and PRODUCTION SYSTEMS (Volume I), Proceedings of the 1st International Conference on MANUFACTURING ENGINEERING, QUALITY and PRODUCTION SYSTEMS (MEQAPS '09) (Volume I) Transilvania University of Brasov, Romania, September 24-26, 2009, pp. 188-192, ISBN: 978-960-474-121-2, ISSN: 1790-2769, Published by WSEAS Press 2009, ISI Proceedings, WOS:000275966900030
11. Mihail Dumitru Sacala, Ioan Stefan Sacala, Mihnea Moisescu, Andrei Buiga, New concepts used in a Digital Business EcoSystem, Revista Romana de Statistica, Nr.9/2009, ISSN 1018-046X
12. Ioan Stefan Sacala Crearea primului Living Lab romanesc pentru a sustine ecosistemele digitale de afaceri, Revista Romana de Statistica, Nr.9/2009, ISSN 1018-046X
13. Aurelian Mihai Stanescu, Ioan Dumitrache, Simona Iuliana Caramihai, Mihnea Alexandru Moisescu, Ioan Stefan Sacala, Towards Contextual System Conceptual Designing to sustain regional Stability in enlarged Europe, in proceedings of SWIS 2009: Supplementary Ways for Improving International Stability Conference, Bucharest Romania, 28-30 October 2009, www.IFAC-PapersOnLine.net

## 2010

1. Mihail Dumitru Sacala, Alexandra Monica Constantin, Ioan Stefan Sacala, Mihnea Moisescu, Economia Subterana – o problema majora?, Revista Romana de Statistica, Nr.1/2010, ISSN 1018-046X,
2. Aurelian Mihai Stanescu, Mihnea Alexandru Moisescu and Ioan Stefan Sacala, *Towards the Development of Internet of Things Oriented Robot to Object Interaction Framework*, in Olaru A, Ciupitu L, Olaru S Eds, 5<sup>th</sup> International Conference "Optimization of the Robots and Manipulators" OPTIROB 2010- Calimanesti, 28-30 May 2010, ISBN 978-981-08-5840-7, Research Publishing, Bucharest, pp 251-255,
3. Ioan Stefan Sacala, Mihnea Alexandru Moisescu, Mihai Sacala, TOWARDS THE DEVELOPMENT OF FUTURE INTERNET ENTERPRISE SYSTEMS, Revista Romana de Statistica, Nr.2/2010, ISSN 1018-046X,
4. Aurelian Mihai Stanescu, Adela Cornescu, Cornel Vintila, Mihnea Alexandru Moisescu, Ioan Stefan Sacala, Concurrent Enterprising as a Knowledge reservoir to bridge the gap between Engineering and Science, Klaus-Dieter Thoben, Kulwant S Pawar, Bernhard Katzy & Robert Bierwolf (eds), in Proceedings of the 16<sup>th</sup> International Conference on Concurrent Enterprising ICE2010 'Collaborative Environments for Sustainable Innovation' Lugano, Switzerland, 21-23 Iunie 2009 ISBN 978 085358 259 5
5. Mihnea Alexandru Moisescu, Ioan Dumitrache, Simona Iuliana Caramihai, Aurelian Mihai Stanescu\*, Ioan Stefan Sacala, *The Future of Knowledge in Manufacturing Systems in the Future Era of Internet of Things*, IFAC-MCPL 2010, 8-10th September, Coimbra, Portugal, ISBN 201009083
6. Irina Gabriela Lolu, Aurelian Mihai Stanescu, Mihnea Moisescu, Ioan Sacala, *Distributed task allocation in multi-robot systems using argumentation-based negotiation*, 2010 11th International Conference on Mechanical Engineering, Robotics and Aerospace ICMERA, Bucharest, Romania, 2010, ISBN: 978-1-4244-8867-4
7. Aurelian Mihai Stanescu, Ioan Dumitrache, Mihnea Alexandru Moisescu, Ioan Stefan Sacala, Irina Gabriela Lolu, *From Collaborative Network Organization Towards Future Internet Enterprise Systems in Aeronautics Industry*, Proceedings of the International Conference of Aerospace Sciences "AEROSPATIAL 2010", Bucharest, 20-21 October 2010, ISSN 2067-8614, pp.594-603.

8. Mihnea Alexandru MOISESCU, Ioan Ștefan SACALĂ, Aurelian Mihai STĂNESCU, *TOWARDS THE DEVELOPMENT OF INTERNET OF THINGS ORIENTED INTELLIGENT SYSTEMS* UPB Scientific Bulletin, Series C, Vol. 72, Iss. 4, 2010, ISSN 1454-234x

9. Stanescu Aurelian Mihai, Bogdan Barbulescu, Moinica Dragoicea, Nicula Marin, Moiescu Mihnea Alexandru, Sacala Ioan Stefan, "Towards the development of Internet of Things compliant GPS navigation systems" Annals of DAAAM 2010, Proceedings of the 21<sup>st</sup> International DAAAM Symposium, Volume 21, No. 1, ISSN 1726-9679, ISBN 978-3-901509-73-5, Editor B. Katalinix, Published by DAAAM International Vienna, Austria.

## 2011

1. Irina-Gabriela Lolu, Aurelian Mihai Stanescu, Ioan Sacala, Mihnea Moiescu "An Agent-based Architecture for the Internet of Things", Proceedings of the 18<sup>th</sup> International Conference on Control Systems and Computers Science, Volume 2, pg: 96-99, ISBN: 2066-4451.

2. Ioan Stefan Sacala, Mihnea Alexandru Moiescu, "Towards a new holistic methodology to develop Future Internet System of Systems research projects" 1<sup>st</sup> UNITE Doctoral Symposium, 27-28th of June, 2011, ISSN 22476040 pg: 106-111.

3. Ioan Stefan Sacala, Mihail Dumitru Sacala, Mihnea Alexandru Moiescu, "Wave refraction based analysis" Revista Romana de Statistica, Nr.3/2011, ISSN 1018-046X.

4. Aurelian Mihai Stanescu, Mihnea Alexandru Moiescu, Ioan Stefan Sacala "Integrating e-IMS Platform via Interoperability within Collaborative Enterprises" 1<sup>st</sup> International Workshop on Service Orientation in Holonic and Multi Agent Manufacturing Control, Studies in Computational Intelligence, 2012, Volume 402, Service Orientation in Holonic and Multi-Agent Manufacturing Control, Pages 129-142, Springer Verlag Journal, ISBN: 978-3-642-27449-7\_10, WOS:000309734000010

5. Vergil Voineagu, Mihail Dumitru Sacala, Ioan Stefan Sacala "Technical analysis method based on wave refraction", Journal of ECONOMIC COMPUTATION AND ECONOMIC CYBERNETICS STUDIES AND RESEARCH, No. 3/2011, pg. 5-25, ISSN 1842 – 3264, ISI Proceedings, WOS:000294752000001

6. Calin Munteanu, Simona Caramihai, Mihnea Alexandru Moiescu and Ioan Stefan Sacala "Using Hybrid Petri Nets for Performance Analysis in Manufacturing Systems" SERVICE ORIENTATION IN HOLONIC AND MULTI-AGENT MANUFACTURING CONTROL Studies in Computational Intelligence, 2012, Volume 402/2012, 255-264, Springer Verlag Journal, pp. 255-264, ISBN:978-3-642-27449-7\_19, ISI Proceedings, WOS:000309734000019

## 2012

1. Stegaru Georgiana, Stănescu Aurelian Mihai, Sacală Ioan and Moiescu Mihnea "Dynamic Interoperability Model for Web Service Choreographies" 6<sup>th</sup> International Conference on Interoperability for Enterprise Systems and Applications, Proceedings of the I-ESA Conferences, 2012, Volume 5, Part 2, 81-91, Springer Verlag Journal, ISBN:978-1-4471-2819-9\_8

2. Stegaru Georgiana, Stănescu Aurelian Mihai, Sacală Ioan "Modelling framework for quality driven service composition" PRO-VE conference, PRO-VE conference, 13<sup>th</sup> IFIP Working Conference on Virtual Enterprises, pp. 87-95, 1-3 October 2012, Bournemouth, UK, IFIP Advances in Information and Communication Technology 380 Springer 2012, ISBN 978-3-642-32774-2, ISI Proceedings, WOS:000321076200009.

3. Aurelian M. Stănescu, Mihnea A. Moiescu, Ioan S. Sacală, George Burlacu, Raluca A. Nedelcu, Luiza E. Cojocar "Concurrent innovation-based eEnterprise", International Conference on Engineering, Technology and Innovation, 18-20 June 2012, Munchen, ISBN: 978-1-4673-2273-7, indexata in IEEE Xplore, DOI: 10.1109/ICE.2012.6297697

4. Mihnea Alexandru Moiescu, Ioan Stefan Sacala, Aurelian Mihai Stanescu, Cristina Serbanescu "Towards Integration of Knowledge Extraction from Process Interoperability in Future Internet Enterprise Systems", 14<sup>th</sup> IFAC Symposium on Information Control Problems in Manufacturing, 23-25 Mai, 2012, Bucuresti, Romania, ISSN: 1474-6670, ISBN: 978-3-902661-98-2, DOI: 10.3182/20120523-3-RO-2023.00395

5. Alexandru Dumitrascu, Ioan Sacala, "Remote Control System based on PLCs with Industrial Communication Networks", UNITE 2<sup>nd</sup> Doctoral Symposium, "R&D in Future Internet and Enterprise Interoperability", pp. 17-24, 11-12 October 2012, Sofia, Bulgaria, ISBN: 978-619-160-040-3.

6. Raluca Andreea Morarescu, Ioan Sacala, "Educational Interoperability Standards: IMS Learning Design and DIN Didactical Object Model", UNITE 2<sup>nd</sup> Doctoral Symposium, "R&D in Future Internet and Enterprise Interoperability", 11-12 October 2012, , pp. 92-99, Sofia, Bulgaria, ISBN: 978-619-160-040-3

## Anexe

7. George Burlacu, Aurelian Mihai Stănescu, Mihnea Alexandru Moisescu, Ioan Ștefan Sacală and Luiza-Elena Cojocaru, "Development of a Modeling Framework for Future Internet Enterprise Systems", 16<sup>th</sup> International Conference on System Theory, Control and Computing, ICSTCC 2012, 12-14 October 2012, Sinaia, Romania, , Paper ID: 178, ISBN 978-606-8348-48-3, Indexed in IEEE Xplore.
8. Cristian Danila, Ioan Ștefan Sacală, Mihnea Moisescu, Natalia Costetchi and Aurelian Mihai Stănescu, „Future Internet Enterprise Systems: towards the Sensing Enterprise”, 16<sup>th</sup> International Conference on System Theory, Control and Computing, ICSTCC 2012, 12-14 October 2012, Sinaia, Romania, Paper ID: 179, ISBN 978-606-8348-48-3, Indexed in IEEE Xplore.
9. Stănescu, Aurelian; Moisescu, Mihnea; Sacală, Ioan, "Towards the Development of Internet of Things oriented Robot to Object Interaction Framework", 2nd International Conference on Advanced Material Research (ICAMR 2012) Location: Chengdu, PEOPLES R CHINA Date: JAN 07-08, 2012, Book Editor(s): Fan, W Book Editor(s): Fan, W, Sponsor(s): Singapore Inst Elect; Sci & Engrn Inst, Source: ADVANCED MATERIALS RESEARCH II, PTS 1 AND 2 Book Series: Advanced Materials Research Volume: 463-464 Pages: 1321-1323 DOI: 10.4028/www.scientific.net/AMR.463-464.1321, 2012, ISI Proceedings, WOS:000308114100262
10. I. Lolu, A. Stănescu, M. Moisescu, I. Sacală, "Distributed task allocation in multi-robot systems using argumentation-based negotiation" 2nd International Conference on Advanced Material Research (ICAMR 2012), Chengdu, China, 07-08 Jan. 2012, Volume 463-464, pp. 1238-1241, DOI 10.4028/www.scientific.net/AMR.463-464.1238, WOS:000308114100243
11. Ioan Ștefan Sacală, Mihnea Alexandru Moisescu, Mihai Sacală "TOWARDS THE DEVELOPMENT OF FUTURE INTERNET ENTERPRISE SYSTEMS", Romanian Statistical Review Supplement, 2012, vol. 60, issue 2, pages 472-474, ISSN 1018-046X.
12. Ioan Ștefan Sacală, Mihail Dumitru Sacală, „New concepts used in a Digital Bussiness EcoSystem”, Romanian Statistical Review Supplement, 2012, vol. 60, issue 2, pages 455-461, ISSN 1018-046X.
13. Ioan Sacală Monika Benea Aurelian Mihai Stănescu, Mihnea Moisescu, The Future of Business for SME. Case Study of the Application of Business Intelligence Software, 2nd Unite Doctoral Symposium, pp. 135-139, 2012, Avangard Prima, ISBN 978-619-160-040-3

## 2013

1. Alix Vargas, Andrés Boza, Llanos Cuenca, Ioan Sacală, "Inter-Enterprise Architecture and Internet of the Future", 3<sup>rd</sup> Doctoral Conference on Computing, Electrical and Industrial Systems, 15-17 April 2013, IFIP Advances in Information and Communication Technology Volume 394, 2013, pp 25-32, ISBN 978-3-642-37290-2, ISI Proceedings, WOS:000323186100003
2. Mihnea Alexandru Moisescu, Ioan Ștefan Sacală „Framework Integration to Support the Development of Future Internet Enterprise Systems”, Information Engineering Journal Volume 2 Issue 2, June 2013, pp. 22-29, ISSN: 2326-5868.
3. Ioan Ștefan Sacală, Mihnea Alexandru Moisescu, Repta Dragos „Towards the Development of the Future Internet based Enterprise in the Context of Cyber-Physical Systems”, 19th International Conference on Control Systems and Computer Science, 29-31 May 2013, pp. 405-412, ISBN: 978-1-4673-6140-8, ISI Proceedings, WOS:000328493800062
4. Georgiana Stegaru, Mihnea Moisescu, Ioan Sacală, Natalia Costetchi „Quality Management in Sensing Enterprise: Requirements for quality driven manufacturing”, International IFAC Conference on Manufacturing Modelling, Management and Control, MIM 2013, 19-21 June, 2013, Saint Petersburg, Rusia, pp. 1332-1337,
5. Georgiana Stegaru, Mihnea Moisescu, Ioan Ștefan Sacală, Aurelian Mihai Stănescu, „Quality Modeling Framework for Service Composition. An Indoor Air Quality Monitoring System Case Study”, *Applied Mechanics and Materials* Vol. 436 (2013) pp 480-487, (2013) *Trans Tech Publications, Switzerland* doi:10.4028/www.scientific.net/AMM.436.480, ISI Proceedings, WOS:000332261000062
6. Ioan Ștefan Sacală, Dragos Repta, Mihnea Moisescu, Aurelian Mihai Stănescu, „Semantic Middleware Architecture”, *Applied Mechanics and Materials* Vol. 436 (2013) pp 488-496, (2013) *Trans Tech Publications, Switzerland* doi:10.4028/www.scientific.net/AMM.436.488 ISI Proceedings, WOS:000332261000063
7. Costetchi Natalia, Stănescu Aurelian Mihai, Moisescu Mihnea Alexandru, Sacală Ioan Ștefan, „A Holistic Vision of Medical Services and Information Support System Based on E-Healthcare Framework” *Applied Mechanics and Materials* Vol. 436 (2013) pp 497-504, (2013) *Trans Tech Publications, Switzerland* doi:10.4028/www.scientific.net/AMM.436.497, ISI Proceedings, WOS:000332261000064
8. Natalia Costeschi, Mihnea Alexandru Moisescu, Ioan Ștefan Sacală, Calin Aurel Munteanu, Aurelian Mihai Stănescu, „Enterprise Architecture for e-Health System” IEEE International Conference on e-Health and Bioengineering, EHB 2013, Iasi, Romania, pp.1-4, ISBN:978-1-4799-2372-4



9. Natalia Costeschi, Mihnea Alexandru Moisescu, Ioan Stefan Sacala, Calin Aurel Munteanu, Aurelian Mihai Stanescu, "Medical Services Modelling Based on Business Process Model Framework", IEEE International Conference on e-Health and Bioengineering, EHB 2013, pp.1-4, ISBN:978-1-4799-2372-4

## 2014

1. Georgiana Stegaru, Cristian Danila, Ioan Stefan Sacala, Mihnea Moisescu, Aurelian Mihai Stanescu, „E-Services Quality assessment framework for collaborative networks”, Enterprise Information Systems Journal, Taylor & Francis Eds, 2014, volume 9, Issue 5-6, pp 583 - 606., August 2015, ISSN: 1751-7575 (Print), 1751-7583 (Online) DOI: 10.1080/17517575.2013.879213, WOS:000349799800006

2. Alix Vargas, Llanos Cuenca, Andres Boza, Ioan Sacala, Mihnea Moisescu, Towards the development of the framework for inter sensing enterprise architecture, Journal of Intelligent Manufacturing, March 2014, Volume 27, Issue 1, pp. 55-72, Print ISSN 0956-5515, Online ISSN 1572-8145, DOI 10.1007/s10845-014-0901-z, Springer Eds, Impact Factor: 1,731, WOS: 000368727300004

3. Mihnea Moisescu, Ioan Sacala, Towards the Development of Interoperable Sensing Systems for the Future Enterprise, Journal of Intelligent Manufacturing, March 2014, Volume 27, Issue 1, pp. 33-54, Print ISSN 0956-5515, Online ISSN 1572-8145, DOI 10.1007/s10845-014-0900-0, Springer Eds, Impact Factor: 1,278., WOS: 000368727300003

4. REPTA Dragos, MOISESCU Mihnea Alexandru, SACALA Ioan Stefan, STANESCU Aurelian Mihai, Towards the Development of a Cyber-Physical Systems Oriented Enterprise Architecture, Applied Mechanics and Materials Vol. 555 (2014) pp 4816-4821, (2014) Trans Tech Publications, Switzerland, ISSN: 1662-7482, DOI 10.4028/www.scientific.net/AMM.555.816, (in curs de indexare ISI) Indexat: Scopus, Google Scholar

5. Dragos Repta, Aurelian Mihai Stanescu, Mihnea Alexandru Moisescu, Ioan Stefan Sacala and Monika Benea, A Cyber-Physical Systems Approach to Develop a Generic Enterprise Architecture, 2014 International ICE Conference on Engineering, Technology and Innovation (ICE), 2014, pp. 1-6, IEEE Publisher, DOI 10.1109/ICE.2014.6871546, Scopus, ISI Proceedings, WOS:000345855900019

6. Repta, Dragos, Ioan Stefan Sacala, Mihnea Alexandru Moisescu, and Aurelian Mihai Stanescu. "Towards the development of a Cyber-Intelligent Enterprise System Architecture." In World Congress, vol. 19, no. 1, pp. 827-832. 2014., IFAC World Congress, 2014, Conference Editor: Boje, Edward; Xia, Xiaohua, ISBN: 978-3-902823-62-5, ISSN: 1474-6670 Cape Town, South Africa, Indexat: IFAC Papers Online, Google Scholar

7. Stanescu, Aurelian Mihai, Dragos Repta, Mihnea Alexandru Moisescu, Ioan Stefan Sacala, and Monika Benea. "Towards a Generic Enterprise Systems Architecture Based on Cyber-Physical Systems Principles." In Collaborative Systems for Smart Networked Environments, IFIP Advances in Information and Communication Technology Volume 434, 2014, pp 245-252, Springer Berlin Heidelberg, Editors Luis M. Camarinha-Matos, Hamideh Afsarmanesh, 2014, DOI 10.1007/978-3-662-44745-1\_24, Print ISBN 978-3-662-44744-4, Online ISBN 978-3-662-44745-1 Indexat ISI Proceedings, Google Scholar, Springer Link, WOS: 000360082700024.

8. Vlad Valentin Fireteanu, Andreea Tudor-Serban, Ioan Stefan Sacala, Mihnea Alexandru Moisescu, Avalanche Prediction Based on Snow Level Monitoring Using Wireless Sensor Networks, Periodical Applied Mechanics and Materials (Volume 656), Pages 369-377 DOI 10.4028/www.scientific.net/AMM.656.369, ISSN: 1662-7482 (in curs de indexare ISI) Indexat Google Scholar

9. Viorel Banta, Dorian Cojocar, Mihnea Moisescu, Ioan Sacala, Software design for oil industry metrology systems, Journal of Studies in Informatics and Control, Volume 23, Issue 4, 2014, December 2014, pp. 359-371, ISSN: 1220-1766, Impact Factor 2014: 0,913, ISI proceedings WOS:000346943300006

10. Dragos Repta, Ioan Stefan Sacala, Mihnea Alexandru Moisescu, Aurelian Mihai Stanescu, Nicolae Constantin, Generic Architecture for Process Mining in the Context of Cyber Physical Systems, Periodical Applied Mechanics and Materials (Volume 656), Pages 569-577 DOI 10.4028/www.scientific.net/AMM.656.569, ISSN: 1662-7482 (in curs de indexare ISI) Indexat Google Scholar

11. Ioana Stanescu, Aurelian Stanescu, Mihnea Moisescu, Ioan Sacala, Antoniu Stefan, Jannicke Baalsrud Hauge, Enabling Interoperability Between Serious Game and Virtual Engineering Ecosystems, 34th Computers and Information in Engineering Conference (CIE), 2014, ASME 2014 International Design and Engineering Technical Conferences & Computers and Information in Engineering Conference (IDETC/CIE 2014), Indexat: Google Scholar

12. Viorel Costin Banta, Dorian Cojocar, Mihnea Alexandru Moisescu, Ioan Stefan Sacala, Release Management Tool-A Software Application for Release and Deployment Management, Periodical Applied Mechanics and Materials (Volume 656), Pages 524-533, DOI 10.4028/www.scientific.net/AMM.656.524, ISSN: 1662-7482, (in curs de indexare ISI) Indexat Google Scholar

13. SACALA Ioan Stefan and MOISESCU Mihnea Alexandru, The Development of Enterprise Systems based on Cyber-Physical Systems Principles, Romanian Statistical Review 4/2014, pp. 29-29 ISSN: 1018-046X, Indexat: Repec, Copernicus, Ebsco

## 2015

1. Dragos Repta, Mihnea Alexandru Moisescu, Ioan Stefan Sacala, Aurelian Mihai Stanescu and Gabriel Neagu, Automated Process Mapping for Cyber Intelligent Enterprise, 2015 20th International Conference on Control Systems and Computer Science, IEEE Computer Society, pp. 679-686 Order Number E5455, ISBN: 978-1-4799-1779-2, WOS:000380375200099, DOI: 10.1109/CSCS.2015.126.

2. Repta Dragos, Ioan Stefan Sacala, Mihnea Alexandru Moisescu, Calin Munteanu and Aurelian Mihai Stanescu; Modelling and Analysis of Process Execution based on Data Acquired from Sensors Networks; MODELSWARD 2015 - 3rd International Conference on Model-Driven Engineering and Software Development; pp. 618-625; ISBN: 978-989-758-083-32015, WOS:000380426000065

3. Dragos Repta, Mihnea Alexandru Moisescu, Ioan Stefan Sacala, Ioan Dumitrache, Aurelian Mihai Stanescu, Towards the Development of Semantically Enabled Flexible Process Monitoring Systems, International Journal of Computer Integrated Manufacturing, DOI: 10.1080/0951192X.2015.1107914, WOS:000388918000009

4. Victor Vladareanu, Ioan Dumitrache, Luige Vladareanu, Ioan Stefan Sacala, Gabriela Tonț, Mihnea Alexandru Moisescu, Versatile Intelligent Portable Robot Control Platform based on Cyber Physical Systems Principles, STUDIES IN INFORMATICS AND CONTROL, ISSN: 1220-1766, IF 2014: 0.913, WOS: 000366543700005

5. Natalia Costetchi, Aurelian Mihai Stanescu, Mihnea Alexandru Moisescu, Ioan Stefan Sacala, Viorel Costin Banta, Focused -liquid enterprise system architecture to support e-health applications, UPB Scientific Bulletin, Series C, ISSN 1454-2331, Submission ID 3028

6. Ioan Stefan Sacala, Mihnea Alexandru Moisescu, Ioan Dumitrache Calin Aurel Munteanu, Simona Iuliana Caramihai, Cyber Physical Systems Oriented Robot Development Platform, Procedia Computer Science Volume 65, 2015, Pages 203–209, International Conference on Communications, management, and Information technology (ICCMIT'2015), doi:10.1016/j.procs.2015.09.110, WOS:000373831000023.

## 2016

1. Ioan Stefan Sacala, Mihnea Alexandru Moisescu, Ioan Dumitrache, Ricardo Jardim Goncalves, Integrating Digital Business EcoSystems with Internet of Things, 1st International Conference on Smart Learning Ecosystems and Regional Developments – 2016, Timisoara, Romania, 19-20 May 2016

2. Alix Vargas, Saumen Day, Andres Boza, Angel Ortiz, Bertram Ludäscher, Ioan Stefan Sacala, Mihnea Alexandru Moisescu, Decision-Making System and Operational Risk Framework for Hierarchical Production Planning, Control Engineering and Applied Informatics Journal, Vol.18, No.2 pp. 72-81, 2016, ISSN: 1454-8658, WOS:000384513100008

3. Sarraipa, J., Zdravković, M., Sacala, I., Marcelino-Jesus, E., Trajanović, M., Jardim-Goncalves, R. Concepts for Agriculture and Tourism Cyber-Physical Ecosystems. In: Konjović, Z., Zdravković, M., Trajanović, M. (Eds.) ICIST 2016 Proceedings Vol.1, pp.221-226, 2016

4. D. Repta, I. Sacala, A. Stanescu, I. Dumitrache, M. Moisescu, Automated Process Model Generation for Internet of Things oriented Enterprise Systems, 8th International Conference on Interoperability for Enterprise Systems and Applications, 29 March – 01 April 2016, Guimaraes, Portugal, ISSN:

5. Ioan Sacala, Mihnea Moisescu, Towards the Development of Interoperable Sensing Systems for the Future Enterprise, Journal of Intelligent Manufacturing, FEB 2016, Volume 27, Issue 1, pp. 33-54, Print ISSN 0956-5515, Online ISSN 1572-8145, DOI 10.1007/s10845-014-0900-0, Springer Eds, Impact Factor: 1,995, WOS: 000368727300003

6. Vargas Alix, Cuenca Llanos, Borza Andres, Sacala Ioan, Moisescu Mihnea, Towards the development of the framework for inter sensing enterprise architecture, Journal of Intelligent Manufacturing, FEB 2016, Volume 27, Issue 1, pp. 55-72, DOI: 10.1007/s10845-014-0901-z, Springer Eds, Impact Factor: 1,995, WOS:000368727300004

7. Mihnea Moisescu, Ioan Sacala, Ioan Dumitrache, A Cyber Physical Systems approach for robotic systems design, Proceedings of the Annual Symposium of the Institute of Solid Mechanics and Session of the Commission of Acoustics, SISOM 2015 Bucharest 21-22 May, Acta Electronica, Volume 57, Number 1-2, 2016, Special Issue, ISSN 2344-5637

## 2017

1. Dragos Repta, Mihnea Alexandru Moiescu, Ioan Stefan Sacala, Ioan Dumitrache, Aurelian Mihai Stanescu, Towards the Development of Semantically Enabled Flexible Process Monitoring Systems, International Journal of Computer Integrated Manufacturing, Taylor & Francis, Volume 30, Issue 1, pp. 96-108, DOI: 10.1080/0951192X.2015.1107914, 2017, WOS:000388918000009, ISSN: 0951-192X, IF 2016: 1.949
2. Bogdan Gabriel Sandu, Alexandru Mihnea Moiescu, Alexandru Mihai Tomulescu, Ioan Stefan Sacala, Forest fire preventing system: Requirements and challenges, 2017 International Young Engineers Forum YEF-ECE 2017, 5 May 2017, Caparica, Portugal, IEEE, DOI: 10.1109/YEF-ECE.2017.7935635, pp. 24-29, IEEE, WOS:000403407200005, ISBN: 978-1-5090-4639-3.
3. Repta, D., Sacala, I., Moiescu, M., Dumitrache, I., Stanescu, A. *Automated Process Recognition Architecture for Cyber-Physical Systems*. In: Zdravković, M., Konjović, Z., Trajanović, M. (Eds.) ICIST 2017 Proceedings Vol.1, pp.131-135, 2017
4. Mihnea Moiescu, Ioan Sacala, Ioan Dumitrache and Dragos Repta, Cyber Physical Systems Based Model-Driven Development for Precision Agriculture, Session IV - Special Session on *Model Driven and Simulation Engineering for the Future Enterprise*, International Symposium on *Model-driven Approaches for Simulation Engineering, MOD4SIM*, April 23-26, 2017 - Virginia Beach, VA (USA);
5. Feier Flavius, Silea Ioan, Angelescu Claudiu, Sacala Ioan Stefan, Moiescu Mihnea Alexandru, Sound Analysis System of Newborn Cry during Blood Draw with Cerebral Oximetry Monitoring, Control Engineering and Applied Informatics, Volume: 19, Issue 2, pp. 11-19, June 2017, WOS:000404695500002, ISSN: 1454-8658;
6. Dumitrache Ioan, Sacala Ioan Stefan, Moiescu Mihnea Alexandru, Simona Iuliana Caramihai, A Conceptual Framework for Modeling and Design of Cyber-Physical Systems, Journal of Studies in Informatics and Control, Volume 26, Issue 3, 2017, September 2017, pp. 325-334, DOI: 10.24846/v26i3y201708 ISSN: 1220-1766, Impact Factor 2016: 0,776, ISI proceedings WOS:000412715700008;
7. Ioan Dumitrache, Simona Iuliana Caramihai, Ioan Stefan Sacala, Mihnea Alexandru Moiescu, A Cyber Physical Systems Approach for Agricultural Enterprise and Sustainable Agriculture, International Workshop on Cyber Physical Systems, 21st International Conference on Control Systems and Computer Science, 29-31 May 2017, Bucharest, Romania, WOS:000449004400067
8. Ioan Sacala, Ioan Dumitrache, Mihnea Moiescu, Aurelian Mihai Stanescu, Simona Caramihai, Agricultural enterprise architecture based on cyber physical systems paradigm, 2017 International Conference on Engineering, Technology and Innovation (ICE/ITMC) 27-29 June 2017, IEEE, DOI: 10.1109/ICE.2017.8280031, ISBN: 978-1-5386-0774-9, WOS:000464318300171
9. Pop Eugen, Moiescu Mihnea, Sacala Ioan Stefan, A Cyber-Physical Systems Oriented Transaction Platform, 2017 21ST INTERNATIONAL CONFERENCE ON CONTROL SYSTEMS AND COMPUTER SCIENCE (CSCS), DOI: 10.1109/CSCS.2017.76, WOS:000449004400069

## 2018

1. Repta Dragos, Dumitrache Ioan, Sacala Ioan Stefan, Moiescu Mihnea, Stanescu Aurelian, Caramihai Simona, Automated process recognition architecture for cyber-physical systems, ENTERPRISE INFORMATION SYSTEMS Journal, Volume 12, Issue 8-9, pp. 1129-1148, Special Issue, ISSN: 1751-7575 DOI: 10.1080/17517575.2018.1521997, 2018, IF 2017: 1.68, WOS:000446349200011.
2. Repta, D., Sacala, I., Moiescu, M., Dumitrache, I. *Cyber - Physical Systems based Process Integration for Future Enterprise Systems*. In: Konjović, Z., Zdravković, M., Trajanović, M. (Eds.) ICIST 2018 Proceedings Vol.1, pp.164-168, 2018
3. Ioan Dumitrache, Simona Caramihai, Octavian Arsene, Mihnea Moiescu, Ioan Sacala, A new Framework for human perception modelling, Romanian Journal of Neurology, Vol XVII Suppl. 2, 2018, ISSN 1843-8148

4. Dragos Repta ; Mihnea Alexandru Moisescu ; Andrei Corneliu Nae ; Ioan Stefan Sacala ; Ioan Dumitrache, Towards Document Flow Discovery in e-Government Systems, , 2018 International Symposium on Electronics and Telecommunications (ISETC), Year: 2018, Page s: 1 - 4, IEEE Conferences, WOS:000463031500078
5. Stanescu, A. M., Repta, D., Moisescu, M. A., & Sacala, I. S. (2018, October). Future Enterprise beyond the Concurrent Enterprising Systems. In 2018 22nd International Conference on System Theory, Control and Computing (ICSTCC) (pp. 250-254). IEEE. WOS:000465109800041, doi: 10.1109/ICSTCC.2018.8540740
6. Huiru Zheng ; Jyotsna Talreja Wassan ; Mihnea Alexandru Moisescu ; Lacramioara Stoicu-Tivadar ; João Miranda ; Mihaela Crisan-Vida ; Ioan Stefan Sacala ; Almir Badnjevic ; Ivan Chorbev ; Boro Jakimovski , Multiscale Computing in Systems Medicine: a Brief Reflection 2018 IEEE International Conference on Bioinformatics and Biomedicine (BIBM) Year: 2018 Page s: 2190 - 2195, IEEE, WOS:000458654000374
7. Repta Dragos, Sacala Ioan Stefan, Moisescu Mihnea Alexandru, Dumitrache Ioan, Towards Document Flow Discovery in e-health Systems, 9<sup>th</sup> International Conference on Intelligent Systems (IS), 2018, pp. 267-271, IEEE Technol & Engn Management Soc, WOS:000469337900039, ISBN:978-1-5386-7097-2, DOI: 10.1109/IS.2018.8710557 .
8. Moisescu Mihnea Alexandru, Sacala Ioan Stefan, Dumitrache Ioan and Caramihai Simona, Predictive maintenance and robotic system design, Journal of Fundamental and Applied Sciences, 2018, Volume 10, Number 4S, pages 234—239, University of El Oued Publisher.

## 2019

1. Mihnea Alexandru Moisescu, Ioan Stefan Sacala, Bogdan Tiganoaia, Integrating Enterprise Systems with Future Internet Technologies, International Journal of Advances in Electronics and Computer Science (IJAEC)-IJAECs, Volume-6, Issue-1 ( Jan, 2019 ), pp: 67-72, ISSN(p): 2394-283.
2. Moisescu, Mihnea Alexandru, Ioan Stefan Sacala, Ioan Dumitrache, Simona Iuliana Caramihai, Bogdan Barbulescu, and Marius Danciuc. "A cyber-physical systems approach to cognitive enterprise." *Periodicals of Engineering and Natural Sciences* 7, no. 1 (2019): 337-342.
3. Moisescu, Mihnea Alexandru, Ioan Dumitrache, Bogdan Barbulescu, Ioan Stefan Sacala, Simona Iuliana Caramihai, and Marius Danciuc. "Cyber-Physical Systems Oriented Redundant Network Node." In *Proceedings of the 6th Conference on the Engineering of Computer Based Systems*, p. 11. ACM, 2019.
4. Moisescu, Mihnea Alexandru, Ioan Stefan Sacala, Ioan Dumitrache, Simona Iuliana Caramihai, Nicolae Constantin, Bogdan Barbulescu, and Marius Danciuc. "A Cyber-Physical Approach in Heterogeneous Communication Networks." In 2019 22nd International Conference on Control Systems and Computer Science (CSCS), pp. 616-621. IEEE, 2019, ISSN: 2379-0474, WOS: 000491270300105.
5. Pop Eugen, Gifu Daniela, Sacala Ioan Stefan, Moisescu Mihnea Alexandru, Caramihai Simona, Services Integration for Cyber Physical Systems, In 2019 22nd International Conference on Control Systems and Computer Science (CSCS), pp. 622-628. IEEE, 2019, ISSN: 2379-0474, WOS:000491270300106.
6. Dumitrache, Ioan, Simona Iuliana Caramihai, Mihnea Alexandru Moisescu, Ioan Stefan Sacala, Luige Vladareanu, and Dragos Repta. "A Perceptive Interface for Intelligent Cyber Enterprises." *Sensors* 19, no. 20 (2019): 4422, WOS:000497864700070, DOI: 10.3390/s19204422.
7. Ioan Dumitrache, Simona Iuliana Caramihai, Mihnea Alexandru Moisescu, Ioan Stefan Sacala, Neuro-inspired Framework for cognitive manufacturing control, IFAC PapersOnLine 52-13 (2019) 910–915, Elsevier Eds., DOI: 10.1016/j.ifacol.2019.11.311, WOS:000504282400154.
8. Ioan Stefan Sacala, Mihnea Alexandru Moisescu, Ioan Dumitrache, Simona Iuliana Caramihai, Nicolae Constantin, Bogdan Barbulescu, Marius Danciuc, Andrei Alexandru Calota, Redundant GSM and Satellite Data Transmission Device with Application in Telemedicine, The 7th IEEE International Conference on E-Health and Bioengineering - EHB 2019, Grigore T. Popa University of Medicine and Pharmacy, Iasi, Romania, November 21-23, 2019.
9. Caramihai Simona, Dumitrache Ioan, Moisescu Mihnea, Saru Daniela and Sacala Ioan, A Neuro-inspired Approach for a Generic Knowledge Management System of the Intelligent Cyber-Enterprise, In Proceedings of the 11th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management - Volume 2: KEOD, 367-374, 2019, Vienna, Austria, ISBN: 978-989-758-382-7

Lista lucrari prezentate conferinte fara ISBN(diferite de cele de mai sus):

1. „Dezvoltarea de micro si nano roboti petru diagnosticare si tratament in medicina” - Aurelian Mihai Stanescu, M Moiescu, I Sacala, PRIMA CONFERINTA INTERNATIONALA A EUROP\_RO, 2007 Bucuresti
2. Ioan Dumitrache, Aurelian Mihai Stanescu, Mihnea Moiescu, Ioan Sacala, PRESENT AND FUTURE TRENDS OF ROBOTICS AND MECHATRONICS IN ROMANIA – in Robotics and Mecatronics Conference 2008, Varna, Bulgaria
3. Ioan Dumitrache, Simona Iuliana Caramihai, Mihnea Alexandru Moiescu, Ioan Stefan Sacala, Precision Agriculture based on Internet of Things Principles, International Workshop on Cyber Physical Systems, IWOCPS, 5<sup>th</sup> edition, 26-27 May 2016, Romanian Academy, Bucharest, Romania
4. Ioan Dumitrache, Simona Iuliana Caramihai, Ioan Stefan Sacala, Mihnea Alexandru Moiescu, A conceptual framework for modeling and design of Cyber-Physical Systems, International Workshop on Cyber Physical Systems, IWOCPS, 5<sup>th</sup> edition, 26-27 May 2016, Romanian Academy, Bucharest, Romania

*Carti publicate:*

1. Calin Munteanu, Simona Iuliana Caramihai, Mihnea Moiescu, Ioan Stefan Sacala “Sisteme Dinamice cu Evenimente Discrete”, Editura Printech, ISBN 978-606-521-199-5.
2. Ioan-Stefan Sacala et al, „The COIN Book – Enterprise Collaboration and Interoperability”, Patrick Sitek, Sergio Guismeroli, Marco Conte, Kim Jansson and Iris Karvonen Editors, Verlag Mainz Eds, ISBN: 3-86130-713-8.
3. Carte: Mihnea Alexandru Moiescu, Ioan Stefan Sacala, “Managementul ciclului de viata al proiectelor”, ISBN 978-606-23-0324-2, Editura Printech 2014, cod CNCISIS 54
4. Carte: Ioan Stefan Sacala, Mihnea Alexandru Moiescu, “Management de proiect pentru dezvoltarea sistemelor informationale” – ISBN 978-606-23-0325-9, Editura Printech 2014, cod CNCISIS 54
5. Mihnea Alexandru Moiescu, Ioan Stefan Sacala, “Tendinte actuale in managementul proiectelor informatice”, ISBN 978-606-23-0886-5, Editura Printech 2018, 210 pagini, cod CNCISIS 54
6. Ioan Stefan Sacala, Mihnea Alexandru Moiescu “Sisteme de intreprindere bazate pe internetul viitorului”, ISBN 978-606-23-0887-2, Editura Printech 2018, 100 pagini, cod CNCISIS 54

*Capitole publicate:*

1. Aurelian Mihai Stanescu, Lucian Ionescu, Vasile Georgescu, Mihnea Moiescu, Ioan Sacala “Towards Digital Business EcoSystem Analysis” Handbook on Business Information Systems, World Scientific Publishing Company, 2010, ISBN10: 9812836055.

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