

Activitatea științifică

Conf.dr.ing. Ioan Stefan SACALA

1. Lista publicațiilor științifice (2000-2018)

• Monografii, Capitle de carte(edituri internaționale)

1. Capitol de carte: “*Towards Digital Business EcoSystem Analysis*”, autori: Aurelian Mihai Stanescu, Lucian Ionescu, Vasile Georgescu, Mihnea Moiescu, Ioan Sacala publicat in: “*Towards Digital Business EcoSystem Analysis*” Handbook on Business Information Systems, World Scientific Publishing Co Pte Ltd (Singapore), 2010, ISBN10: 9812836055, pp. 607-638
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1. Carte: Calin Munteanu, Simona Iuliana Caramihai, Mihnea Moiescu, Ioan Stefan Sacala, “*Sisteme Dinamice cu Evenimente Discrete*”, Editura Printech, ISBN 978-606-521-199-5, 2011
2. Carte: Mihnea Alexandru Moiescu, Ioan Stefan Sacala, “*Managementul ciclului de viata al proiectelor*”, ISBN 978-606-23-0324-2, Editura Printech 2014, cod CNCIS 54
3. Carte: Ioan Stefan Sacala, Mihnea Alexandru Moiescu, “*Management de proiect pentru dezvoltarea sistemelor informatinale*” – ISBN 978-606-23-0325-9, Editura Printech 2014, cod CNCIS 54
4. Carte: Ioan Stefan Sacală si Mihnea Alexandru Moiescu, Sisteme de întreprindere bazate pe internetul viitorului – 100pg - ISBN 978-606-23-0887-2, Editura Printech 2018, cod CNCIS 54
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2. 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, pp. 5-24, ISSN 1842 – 3264, WOS:000294752000001
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 22. Georgiana Stegaru, Mihnea Moiescu, Ioan Sacala, 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,

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2. Lista granturilor si contractelor de cercetare (2000-2018)

• Granturi si contracte internationale

1. COST ACTION ES1206 Advanced Global Navigation Satellite Systems tropospheric products for monitoring severe weather events and climate (GNSS4SWEC), Director proiect UPB Ioan Stefan Sacala
2. COST ACTION CA15221 Advancing effective institutional models towards cohesive teaching, learning, research and writing development, Director proiect UPB Ioan Stefan Sacala
3. COST ACTION CA 16101 - MULTI-modal Imaging of FOREnsic SciEnce Evidence - tools for Forensic Science, Director proiect UPB Ioan Stefan Sacala
4. FP7-ICT-2009-4 - 248583 UpgradiNg ICT excellence by strengthening cooperation between research Teams in an enlarged Europe Acronim UNITE (director proiect Ricardo Goncalves, Autoritatea contractanta: Comisia Europeana), membru in echipa de implementare
5. Pi.4. FP7-ICT-2009.9.5 – 2010-2011 – Large-scale Integrating Project (IP)- 216256 COIN— COllaboration and INteroperability for networked enterprises in an Enlarged European Union Acronim COIN (director proiect Claudia Guglielmina, Autoritatea contractanta: Comisia Europeana), membru in echipa de implementare
6. Pi.5. POSDRU/ 53084 2010 – 2013 ComHighTech - Cresterea competitivității întreprinderilor prin perfectionarea si specializarea resurselor umane în domeniul noilor tehnologii, într-o societate bazată pe cunoastere si pentru o dezvoltare durabilă, director de proiect Prof.dr.ing Ioan Dumitrache, membru in echipa de implementare

• Granturi si contracte nationale

1. PN-II-PT-PCCA-2013: Platforma robot versatila, inteligenta, portabila cu sisteme de control in retele adaptive pentru roboti de salvare, Contract nr. 9 /2014 / mr PT699/8.9.2014 , Tip proiect: - PN-II-PT-PCCA-2013-4-2009, Director proiect UPB Ioan Stefan Sacala
2. Proiect cu mediul de afaceri „Control bratului robotic in tunelul aerodinamic subsonic de la sediul INCAS”, Contract nr. 24.104 din 18.12.2014, Director de proiect: Prof.dr.ing. Ioan

- Dumitrache, Universitatea Politehnica Bucuresti - Centrul pentru Pregatirea Resurselor Umane, Responsabil proiect : Ioan Stefan Sacala
3. Proiect cu mediul de afaceri „Interfatarea bratului robotic existent la sediul INCAS cu tunelul aerodinamic si realizarea unei interfete de masura si monitorizare a parametrilor statiei de preparare a aerului”, Contract nr. 23989/28.11.2016, Director de proiect: Prof.dr.ing. Ioan Dumitrache, Universitatea Politehnica Bucuresti - Centrul pentru Pregatirea Resurselor Umane, Responsabil de proiect: Ioan Stefan Sacala
 4. CEEX INFOSOC 2006-2008 “REtea @-colaborativă pentru cercetarea efectelor poluanților din MEDIU asupra sănătății, în cadrul unor metasisteme complexe” Acronim: REMEDIU 138/2006 (director proiect Aurelian Mihai Stanescu, UPB, membru in echipa de implementare
 5. PNCDI2 – Parteneriate 81011/2007 “Metode Si Software Pentru Calculul Si Definirea Configuratiei Aeronavelor Subsonice In Faza De Pre-Concept, Adaptate Lucrului Colaborativ In Intreprinderi Aeronautice Largite” Acronim: CASCADNET membru, director proiect Mihai Neamtu, INCAS, Responsabil UPB Prof.dr.ing Ioan Dumitrache, CNMP) , membru proiect
 6. PNCDI2 – Parteneriate 81022/2007 Tehnologii avansate pentru proiectarea si testarea echipamentelor de navigatie in medii complexe Acronim: TANACO (membru, director proiect Tiberius Tomoioga, Responsabil UPB, Aurelian Stanescu, CNMP), membru proiect
 7. POSCCE - Asistență tehnică pentru susținerea activității de control la fața locului a proiectelor finanțate în cadrul Axei 2 – POS CCE, prin achiziționarea de servicii de consultanță și expertiză”, Director de proiect Mihai Hancu Safege, membru proiect
 8. POSDRU Excelență în cercetare prin burse doctorale și postdoctorale (ExcelDOC), Cod Contract: 132397, Proiect cofinanțat din Fondul Social European prin Programul Operațional Sectorial pentru Dezvoltarea Resurselor Umane 2007 – 2013, membru proiect
 9. ANCS proiect suport - COIN—COLlaboration and INteroperability for networked enterprises in an Enlarged European Union Acronim COIN (membru, director proiect Aurelian Mihai Stanescu, autoritatea contractanta: ANCS), membru proiect
 10. POSCCE: Cresterea performantelor tehnice ale dispozitivului Electronic Doctor si Infiintarea facilitatilor de productie pentru acesta, S.C. DENTICARE IMPLANTOLOGY CENTER SRL Bucuresti POSCCE Operațiunea 2.3.3, contract nr 94 7/31/2013, Director de proiect Dr. Bogdan Vladila, membru proiect

3. Lista brevetelor obtinute in 2000-2018:

• Brevete internationale

1. 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"
2. 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
3. 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
4. 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

• Brevete nationale

1. Vladareanu L, Munteanu R I, Sireteanu T, Dumitrache I, Iliescu M, Cononovici B S, Vladareanu V, Munteanu R A, Melinte O, Gal Ionel-Alexandru, Barbu V, Munteanu M S, Mitroi D, Moisescu M, Chenaru O, Ionel M, Sacala I S, Florea G. “Method and device for hybrid speed-position control with applications in intelligent control platforms”. Patent Number: RO131780-A0. Derwent Primary Accession Number: 2017-272243.