

LISTĂ LUCRĂRI ȘTIINȚIFICE

A. Teza de doctorat

(Titlul tezei, domeniul și anul susținerii)

1. Teza „Adaptation Dynamique de Services”, în co-tutelă între Universitatea Tehnică din Cluj-Napoca și Université de Savoie, Franța. Conducători științifici: prof. dr. ing. Costin Miron de la Universitatea Tehnică din Cluj-Napoca, prof. Michel Riveill de la Université de Nice Sophia-Antipolis, Franța și prof. Christian Martel de la Université de Savoie, Franța.
Domenii: Inginerie Electronica și Telecomunicații și respectiv Informatique.
Data susținerii: 12 noiembrie 2005.

B. Cărți și capitole din cărți

(Autorii, titlul cărții, editura, locul și anul publicării, nr. pagini, ISBN)

1. **Marcel Cremene**, Kuderna-Iulian Bența, „Dezvoltarea de Aplicații pentru Terminale Mobile”, Ed. Albastră, ISBN: 973-650-185-X, pagini: 138, Cluj Napoca, 2006.
2. Anca-Elena Rarău, **Marcel Cremene**, Kuderna-Iulian Bența, „Sisteme Senzitive la Context”, Editura Albastră, ISBN: 978-973-650-224-8, pagini: 178, Cluj-Napoca, 2008.
3. **Marcel Cremene**, Sorina Zăhan, „Inteligență artificială – Rețele Neuronale. Teorie și aplicații în Telecomunicații”, Ed. UT Press, ISBN: 978-973-662-466-7, pagini: 127, Cluj-Napoca, 2009.

C. Lucrări științifice indexate ISI/BDI (2000-2011)

(Autorii, titlul lucrării, conferința/revista, locul și data publicării, paginile, ISBN/ISSN, indexările)

Reviste CNCSIS A : 4

1. **Cremene M**, Riveill M, Martel C , „A service-context model allowing dynamical adaptation”, International Journal of Computers, Communications & Control (IJCCC), ISSN 1841 – 9836, E-ISSN 1841 – 9844, Publisher: Agora University Editing House - CCC Publications Volume: 1, pp. 163-169, Suppl. S Published: 2006.
2. Florin-Claudiu Pop, **Marcel Cremene**, Michel Riveill, Jean-Yves Tigli, Stephane Lavirotte, Mircea Vaida, „Natural Language based Service Composition”, International Journal of Computers, Communications & Control (IJCCC), ISSN 1841 – 9836, E-ISSN 1841 – 9844, Publisher: Agora University Editing House - CCC Publications, vol 5/2010.
3. **Marcel Cremene**, Michel Riveill, Anca Rarau, Costin Miron, Kuderna-Iulian Benta, Valeriu Todica, "Adaptation Mechanism based on Service-Context Distance for Ubiquitous Computing", International Journal of Computers, Communications & Control (IJCCC), ISSN 1841 – 9836, E-ISSN 1841 – 9844, Publisher: Agora University Editing House - CCC Publications, vol 1/2011.
4. Nicolae Crisan, Ligia Cremene, **Marcel Cremene**, "Software Components for Autonomous Design of Sierpinski-Gasket Fractal Antenna Radiation Pattern", International Journal of Computers, Communications & Control (IJCCC), ISSN 1841 – 9836, E-ISSN 1841 – 9844, Publisher: Agora University Editing House - CCC Publications, vol 5/2010.

Reviste internaționale indexate BDI : 5

1. **Marcel Cremene**, Michel Riveill, Christian Martel. "Autonomic Adaptation based on Service-Context Adequacy Determination" in *Electronic Notes in Theoretical Computer Science*, Elsevier, 189: 35-50, 2007. [DBLP]
2. **Marcel Cremene**, Michel Riveill, Christian Martel, Calin Loghin, Costin Miron, "Adaptation dynamique de services", CoRR cs.NI/0411056, 2004. [DBLP]
3. Mircea-Florin Vaida, Valeriu Todica, **Marcel Cremene**, „Service Oriented Architecture for Medical Image Processing” (short paper), *Int. Journal of CARS*, Volume 3-Supplement 1, Springer Berlin / Heidelberg, ISSN 1861-6410, pp: S406-S408, 2008.
4. Vaida M.-F, Todica V., **Cremene M.**, „Service Oriented Architecture for Medical Image Processing” (long paper), *Int. Journal of CARS*, Volume 3-Numbers 3-4, September 2008, Springer Berlin / Heidelberg, ISSN 1861-6410, pp: 363-369, 2008.
5. Kuderna-Iulian Bența, **Marcel Cremene** and Amalia Hoszu, "Training the Behaviour Preferences on Context Changes", *International Journal of EASST*, *Electronic Communications of the EASST*, vol. 28, 2010.

Reviste CNCSIS B+ : 6

1. **M. Cremene**, F.C. Pop, S. Lavirotte, J.-Y. Tigli, „Natural Language based User Interface for On-demand Service Composition”, *Studia Universitatis, Informatica, Babes Bolyai*, special issue KEPT'2009, vol. I, pp.45-49, 2009. [CNCSIS B+]
2. **M. Cremene**, O. Sabou, D. Pallez, T. Baccino, „Eye-tracking data exploration within interactive genetic algorithms”, *Studia Universitatis, Informatica, Babes Bolyai*, special issue KEPT'2009, vol. I, pp.123-128, 2009. [CNCSIS B+]
3. **Marcel Cremene**, Alin Drimus, Jean-Yves TIGLI, Stephane Lavirotte, Gaëtan REY, Michel RIVEILL, Costin Miron, Mircea Vaida, "Relevant Context Discovery for Pervasive Services Involving User Control", *Acta Tehnica Napocensis*, vol. 50, nr. 2/2009, pp.37-42, 2009. [CNCSIS B+]
4. **Marcel Cremene**, Michel Riveill, Christian Martel, „Unanticipated Dynamic Adaptation of Context-Aware Services”, *Acta Tehnica Napocensis*, Volume 49, Number 1/2008, pp. 30-35, ISSN: 1221-6542, 2008. [CNCSIS B+]
5. Ligia Chira Cremene, **Marcel Cremene**, Nicolae Crisan, Tudor Palade, „Multiple-Input Adaptive Combiner-Equalizer for Wireless Communications”, *Acta Tehnica Napocensis*, Volume 49, Number 4/2008, pp., ISSN: 1221-6542, 2008. [CNCSIS B+]
6. Florin-Claudiu Pop, Marcel Cremene, Mircea-Florin Vaida, "Workflow based Service Composition using Genetic Algorithms", *Acta Tehnica Napocensis*, Vol 51, nr. 2 / 2010, pp. 26, link: <http://users.utcluj.ro/~atn/Numbers.htm>

Conferințe indexate ISI Proceedings (Web of Knowledge) : 8

1. Florin-Claudiu Pop, **Marcel Cremene**, Mircea-Florin Vaida, Michel Riveill, „Natural language service composition with request disambiguation”, *ICSOC'2010* (20% procent de acceptare). http://icsoc10.disi.unitn.it/accepted_papers.htm
2. Florin Pop, **Marcel Cremene**, Michel Riveill, Mircea Vaida, „On-demand dynamic service composition based on natural language requests”, *WONS 2009 The Sixth International Conference on Wireless On-demand Network Systems and Services*, February 2-4, Snowbird, Utah, USA, 2009. [Web of Knowledge, IEEE eXplore]

3. **Cremene, M.**; Riveill, M.; Miron, C., „Adaptation platform for autonomic context-aware services”, Automation, Quality and Testing, Robotics, 2008. AQTR 2008. IEEE International Conference on Volume 1, 22-25 May 2008 Page(s):298 – 303, Digital Object Identifier 10.1109/AQTR.2008.4588756, 2008. {procent acceptare: ~ 50% } [IEEE eXplore]
4. A. Rarau, K.-I. Benta, **M. Cremene**. Multifaceted based language for pervasive services with deterministic and fully defined behavior. In Proceedings of IEEE International Conference on Pervasive Services, Istanbul, Turkey, July 2007. [IEEE eXplore]
5. **Marcel Cremene**, Michel Riveill. "Service-context unified knowledge representation for autonomic adaptation" in Proceedings of the Sixth International and Interdisciplinary Conference on Modeling and Using Context, Roskilde University, Denmark, Springer Verlag, 20-24, 2007. {procent acceptare: ~ 32% } [DBLP, Springer]
6. **Marcel Cremene**, Michel Riveill. "Service-Context Knowledge-based Solution for Autonomic Adaptation" in Proceedings of the 4th International Conference on Autonomic and Trusted Computing (ATC-07), Hong Kong, China, Springer Verlag, Hong Kong, China, 11-13, 2007. {procent acceptare: ~ 25% } [DBLP, Springer]
7. Iulian Benta, **Marcel Cremene**, "Electronic Secretary for Educational Environments", Proceeding of The 4th International Conference RoEduNet Romania, "Education/Training and Information/Communication Technologies - ROEDUNET'05, Sovata, Tg. Mures, May 20-22, ISBN 973-7794-26-5, 2005.
8. **Marcel Cremene**, Ligia Chira, "Collaborative Agenda for Educational Environments", Proceeding of The 4th International Conference RoEduNet Romania, "Education/Training and Information/Communication Technologies - ROEDUNET'05, Sovata, Tg. Mures, May 20-22, ISBN 973-7794-26-5, 2005.

Conferințe indexate în alte BD (care nu apar în ISI Web of Science) : 6

1. Kuderna-Iulian Benta, **Marcel Cremene**, Valeriu Todica, „Towards an Affective Aware Home”, In Proceedings of the 7th international Conference on Smart Homes and Health Telematics: Ambient Assistive Health and Wellness Management in the Heart of the City, Tours, France, July 01 - 03, pp. 74-81, Lecture Notes in Computer Science, volume 5597, ISSN: 978-3-642-02867-0, Ed. Springer, 2009. [DBLP, Springer, ISI Proceedings]
2. **Marcel Cremene**, Jean-Yves Tigli, Stéphane Lavirotte, Florin-Claudiu Pop, Michel Riveill, Gaëtan Rey, „Service Composition based on Natural Language Requests”, acceptat spre publicare in Proceedings of IEEE SCC 2009, International Conference on Services Computing, Bangalore, India, 2009. [DBLP, IEEE eXplore]
3. Kuderna-Iulian Benta, **Marcel Cremene**, Nicoleta Ramona Gibă, Ulises Xolocotzin Eligio, Anca Rarău, “Secondary Emotions Deduction from Context”, CISSE 2008, <http://cisse2008.org/schedule.aspx>, in curs de publicare ca „book chapter” in Editura Springer, 2009. [Springer]
4. Kuderna-Iulian Benta, **Marcel Cremene**, Ramona Giba, Ulises Xolocotzin Eligio, Anca Rarau, „Secondary Emotions Deduction from Context”, CISSE'08, USA, cu publicare in Springer Book, 2008. [Springer]
5. Kuderna-Iulian Benta, Anca Rarau, **Marcel Cremene**, „Ontology Based Affective Context Representation”, EATIS 2007, ISBN 978-1-59593-598-4, 14-17 mai, Faro, Portugalia, 2007. [DBLP, ACM]
6. **M. Cremene**, M. Riveill, and Iulian Benta. „Data distribution platform for multimedia mobile applications”. In proceedings of the Secondes Journées Francophones: Mobilité et Ubiquité, 31 mai-3 juin, 2005. {procent acceptare: ~ 40% } [ACM Portal]

D. Lucrări științifice publicate in reviste și volume de conferințe cu referenți (neindexate) (2000 - 2011 – selecție de 20 de articole):

(Autorii, titlul lucrării, conferința/revista, locul și data publicării, paginile, ISBN/ISSN)

Reviste : 1

1. **Marcel Cremene**, Sorina Zahan, Iulian Benta, Razvan Padurean, "Improving Dynamic Personalisation Using A Neuro-Fuzzy System For Wireless Applications", ECIT 2002, 17-20 July, Iasi, Romania, 2002 si Revista de Inventică – special edition, vol.7, nr. 38, an XII – 2002, ISSN 1210-3084, edit. Institutul National de Inventica Iasi, 2002.

Conferințe : 11

1. Denis Pallez, Marcel Cremene, Thierry Baccino, Ovidiu Sabou, "Analyzing human gaze path during an interactive optimization task", IUI'2010, Hong-Kong, China. link: <http://links.cse.msu.edu:8000/iui/program.html>
2. **Marcel Cremene**, Michel Riveill, Christian Martel, "Towards Unanticipated Dynamic Service Adaptation", Third International Workshop on Coordination and Adaptation Techniques for Software Entities (WCAT'06), Nantes, France, held in conjunction with ECOOP '06, July 2006.
3. Beñ a Iulian, **Cremene Marcel**, Simona Bernat, "M-learning platform, Software platform for mobile learning", Quality Teaching for Quality Learning: Education for Critical Thinking, Cluj-Napoca mai, 2005.
4. **Marcel Cremene**, Michel Riveill, Christian Martel, "Description Model for Nomadic Access Services", ECIT- ROSYCS 2004, <http://www.infoiasi.ro/~rosyacs/>, 21-23 July 2004, Iasi, Romania, p. 12-21, 2004.
5. **Marcel Cremene**, Chira Ligia, Calin Loghin, Beñ a Iulian, "mMVC - an Architecture Design Pattern for Mobile Applications", ECIT-ROSYCS 2004, <http://www.infoiasi.ro/~rosyacs/>, 21-23 July 2004, Iasi, Romania, pp. 81 – 90, 2004.
6. Iulian Beñ a, Padurean Răzvan, **Marcel Cremene**, "Multimedia m-learning using mobile phones", Poster, <http://www.mobilearn.org/mlearn2004/index.htm>, MLEARN 2004, Rome, Italy, 2004.
7. **Marcel Cremene**, Iulian Benta, Ligia Chira, Calin Loghin, "Student Evaluation Management Service with Nomadic Acces", ETC 2004, Timisoara, Roumanie, Octobre, 2004.
8. Iulian Beñ a, Padurean Răzvan, **Marcel Cremene**, "Mood based services in location aware mobile environment", INES 2004, Cluj-Napoca, 2004.
9. S. Zahan, J. Bigham, **M. Cremene**, I. Benta, "Service Provider Intelligent Decision System for a Free 3G Market", ECIT 2002, 17-20 July, Iasi, Romania, 2002.
10. Sorina Zăhan, Ruxandra Bogdan, **Marcel Cremene**, "Computer Assisted Diagnosis of Cardiac Heart Disease", IPMU 2002, 1-5 July, Annency, France, vol. 2, pp. 727 - 732, 2002.
11. Sorina Zăhan, **Marcel Cremene**, Iulian Benta, "Software Application for Creation and Deployment of New Services over Wireless Networks", IEEE ICT 2001, 4-7 june, Bucarest, vol. 1, p. 244 - 247, 2001.

E. Brevete

1. "Metoda adaptiva de prelucrare unificata a semnalelor pentru receptoare radio", cerere OSIM, nr. a10002, deupusa la data de 15 februarie 2010.

F. Granturi/contracte de cercetare (2000-2011)

Director

1. Director echipă proiect **international** ECO-NET,
Perioadă contract: 2008 și 2009,
Cod EGIDE(Franța): 18826YM,
Tema: „Auto adaptation dynamique de services pour la personne handicapée”,
Parteneri: Franta, Republica Moldova,
Site web: <http://www.egide.asso.fr/jahia/Jahia/lang/en/accueil/appels/econet>
Buget: 2008 - 13.000 euro, 2009 – 9000 euro.
2. Director proiect PNCDI II tip „TE”, UEFISCDI,
Perioadă contract: 2010 – 2013,
Cod CNCISIS: 252, contract nr. 33/2010
Tema: „Mecanisme distribuite de compunere si adaptare a serviciilor, bazate pe algoritmi de optimizare multi-criteriala”,
Site web: <http://helios.utcluj.ro/te252/>
Buget total: 700.000 RON.
3. Director proiect PNCDI II tip „Idei”, UEFISCSU,
Perioadă contract: 2007, 2008, 2009 și 2010,
Cod CNCISIS: 1062/2007,
Tema: „Platforma de adaptare autonoma a serviciilor bazata pe un meta-model serviciu context”,
Site web: http://mercur.utcluj.ro/pn_II_idei_1062/
Buget total: 700.000 RON.
4. Director grant CNCISIS, tip AT,
Perioadă contract: 2007 și 2008,
Cod CNCISIS: 220/2007,
Tema: „Dezvoltarea unei platforme de adaptare dinamica si ne-anticipativa a serviciilor destinate sistemelor de comunicatii mobile”,
Site web: <http://194.102.64.7/GranturiFinalizate/>
Buget total: 150.000 RON.

Membru contracte

Internationale:

1. Proiectul de cercetare european IST-1999-11014, SHUFFLE, director echipă: Prof.dr.ing. Sorina Zăhan, începând din decembrie 2000 finalizat la sfârșitul lui septembrie 2002, buget: 120.000 euro.
2. Proiect bilateral PAI „Brâncușii”, EGIDE, Franța, cu titlul „Assemblage dynamique de services WEB pour l'accès personnalisé à une encyclopédie multimédia”, director echipă: Prof.dr.ing. Mircea Vaida, cod 08875UE, perioada 2004-2006.
3. Proiect de cercetare/dezvoltare cu firma „Zesium”, Germania, pe tema „WAP Push Server”, director contract: Sl.dr.ing. Romulus Terebes, cu începere din aprilie 2006, buget: 8000 euro.
4. Proiect bilateral PAI „Brancusi”, EGIDE, Franța, cu titlul „Plate-forme logicielle pour la scénarisation des applications collaboratives personnalisées”, director echipă: Prof.dr.ing. Mircea Vaida, cod 19608SE, 2009/2010.

Naționale:

1. Proiectul COMCORDIA în cadrul programului RELANSIN, contract numărul 466/5.01.2000, director Prof.dr.ing. Sorina Zăhan, finalizat în ianuarie 2002.
2. Proiect CNCISIS, „Integrarea Imagisticii Medicale în Societatea Informațională”, director Radu Ciupa,

director științific Prof.dr.ing. Mircea Vaida, cod A15-1055, buget 28.700 RON.

3. Proiect *fonduri structurale* POSDRU/5/1.5/S/1, tema “Studii doctorale în România – Organizarea Ș colilor Doctorale”, director echipă domeniul Inginerie Prof.Acad.dr.ing. Dorel Banabic.

Grad didactic, numele și prenumele
Conf.dr.ing. Marcel Cremene