

# Professor Dr. Eng. Florica Moldoveanu

## List of scientific publications (2000-2016)

### Monographs, book chapters (international publications)

1. Moldoveanu, Alin and Moldoveanu, Florica and Asavei, Victor. Highly Scalable Server Architecture for Massive Multi-player 3D Virtual Spaces. WSEAS Press, vol. II, pp. 272--277, 2009
2. D. Gheorghiu, L. Ștefan, A. Rusu (2013). E-Learning and the process of studying in virtual contexts, book chapter in M. Ivanovic and L. Jain (eds.), Studies in Computational Intelligence, Volume 528: e-Learning: Paradigms and applications. Agent – based approach, Springer, 2013, ISBN: 978-3-642-41964-5
3. V. Asavei, F. Moldoveanu, A. Moldoveanu, A. Egner, A. Morar (2013). Multi GPGPU Optimizations for 3D MMO Virtual Spaces (extended version) - in Advances in Intelligent Systems and Computing 187, p. 453-462, ISBN 978-3-642-32547-2, ISSN 2194-5357, Editor I. Dumitrache, Published by Springer-Verlag, Berlin, 2013
4. Moldoveanu, Alin and Moldoveanu, Florica and Asavei, Victor and Egner, Alexandru and Morar, Anca. From HTML to 3DMMO - A Roadmap Full of Challenges. Chapter in Advances in Intelligent Systems and Computing (I. Dumitrache). Springer-Verlag, vol. 187, ISBN 978-3-642-32547-2, ISSN 2194-5357, pp. 379 -- 392, 2013

### Monographs, book chapters (national publications)

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2. Moldoveanu, Florica and Mocanu, Irina. Elemente de grafica pe calculator- Laboratory book. Printech, pp. 1--161, 2000
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6. Moldoveanu, Alin and Moldoveanu, Florica and Asavei, Victor. Méga Musée Virtuel. Academia Romana, ISBN 978-2-915913-24-8, pp. 189--193, 2009
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8. A. Moldoveanu, F. Moldoveanu, M.-I. Dascălu, A. Ioniță, O.-M. Ferche, V. Asavei, A. Morar (2014). UML Practic, Editura Matrix Rom (COD CNCSIS: 39), ISBN 978-606-25-0118-1
9. Bălan, O., Moldoveanu, A., Moldoveanu, F., Ferche, O. (2014). TRAVEE – Raportare la stadiul actual al domeniului. Abordare si obiective generale, Chapter in TRAVEE - studiu de caz - initierea unei cercetari ICT in recuperarea neuromotorie, Alin Moldoveanu (ed.), Editura Printech, ISBN 978-606-23-0349-5, p. 25--44
10. O. Bălan, A. Moldoveanu, F. Moldoveanu (2014). ICT for Visually Impaired, Printech, ISBN 978-606-23-0348-8
11. Moldoveanu, A., Moldoveanu, F., Dascalu, M., Ionita, A., Ferche, O., Asavei, V., Morar, A. (2014). UML Practic. Matrix Rom, ISBN 978-606-25-0118-1, p. 1--168, December 2014
12. Cruceat, A., Butean, D., Cioca, L., Butean, A. (2015). Detectarea poziției corporale corecte utilizând camera cu senzor de adâncime. Aplicație software experimentală, (Translation: Experimental software for detection of correct body posture using a depth camera sensor.) ISBN: 978-606-12-1082-4, Lucian Blaga University of Sibiu Publishing House

13. Trifanica, V., Butean, A. (2015). Sistem asistiv pentru persoanele cu probleme de vedere pentru perceperea culorilor prin vibrație folosind un gamepad (Translation: Assistive system for people with visually impaired, color perception and vibration using a gamepad), ISBN: 978-606-12-1083-1, Lucian Blaga University of Sibiu Publishing House, 2015
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### **Articles published in journals and conference proceedings volumes (ISI indexed)**

1. Goga, Nicolae and Moldoveanu, Florica. Test selections and Coverages. In Proceedings of Canadian Conference on Electrical and Computer Engineering - IEEE Canada 2004 (CCECE 2004). IEEE Publisher, vol. 2, pp. 707--710, 2004
2. Goga, Nicolae and Moldoveanu, Florica. Shading in a distributed environment. In Proceedings of 8th International Conference on Information Visualisation -IV04. IEEE Publisher, United Kingdom, pp. 1003--1006, July 2004
3. Goga, Nicolae and Moldoveanu, Florica. A distance coverage measure for bit boundary value analysis. In Proceedings of 2004 IEEE International Conference on Systems, Man and Cybernetics - SMC IEEE SMC 2004, The Hague, Netherlands. IEEE Publisher, vol. 1, pp. 973--977, October 2004
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9. Asavei, Victor and Ionita, Vlad and Moldoveanu, Florica and Moldoveanu, Alin. 3D Real-Time parallel volume rendering using NVIDIA CUDA for Medical Imaging. In DAAAM 2009. vol. 20, pp. 1483--1484, 2009
10. Cristescu, Sorin-Alexandru and Moldoveanu, Florica. An Agent-Oriented and Service-Oriented Architecture in Medicine. In DAAAM 2009. pp. 1767--1768, 2009
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12. Morar, Anca and Moldoveanu, Florica and Moldoveanu, Alin and Asavei, Victor and Egner, Alexandru. Computer Assisted Analysis of Orthopaedic Radiographic Images. In 9th WSEAS International Conference on SIGNAL PROCESSING. pp. 66--71, 2010
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## List of scientific projects (2000-2016)

### Research grants and contracts (international)

1. Sound of Vision (Natural sense of vision through acoustics and haptics), Horizon 2020, H2020-PHC-2014, cod proiect: 643636, 2015-2017, director: F. Moldoveanu, members: Grădinaru Alexandru, Petrescu Lucian Alexandru, Ștefan Livia, Bălan Florina-Oana, Butean Alexandru
2. HAI-OPS - Hospital Acquired Infection and Outbreak Prevention System, International project, Eurostars, applied research, ID. E!9831 - HAI-OPS, December 2015 - December 2018
3. DECAMP - Open Distributed European Virtual Campus on ICT Security ([www.myDECAMP.eu](http://www.myDECAMP.eu)), International project, ERASMUS +, September 2014 - August 2017
4. AESOP - A European and South African Partnership on Heritage and Past, International project, Erasmus Mundus, 2013 – 2017
5. QUESTOR - Quest for Reports, International project, Eureka, ID. E!5883, 2012 - 2014
6. VISUAL-D (Visualization of Patient Data for easy management of care processes), Eurostars E!6126, <http://www.eurekanetwork.org/project/-/id/6126> , 2011-2013, director de proiect F. Moldoveanu, membri: Egner Alexandru
7. MORIS FD - Medical Operational Risks Identification Service and Fraud Detection, International project, Eureka, ID. E!5884, 2011 – 2013
8. FCINT - Ontology-Based Service Composition Framework for Syndicating Building Intelligence, International project, POS-CCE, ID. ID 551 / SMIS 12038, June 2010 - December 2013
9. RELIS - Risk detection in laboratory Information Systems, International project, Eurostars , ID. E!5112, 2010 – 2012
10. EUGEN - Enterprise Unified Guideline Engine, International project, EUROSTARS, ID. E! 5119, 2010 – 2012
11. SMEnet - Establishment of Sustainable Collaborative SME Networks, International project, Grant Leonardo da Vinci, ID. LEO05-03154, 2008 – 2010
12. SMEnet - Establishment of Sustainable Collaborative SME Networks, International project, Grant Leonardo da Vinci, ID. LEO05-03154, 2008 – 2010
13. SMEcluster - Strategic Planning for Sustainable Clustering of Collaborative SMEs, International project, Grant Leonardo Da Vinci, ID. LEO05-03157, 2008 - 2010

### Research grants and contracts (national)

1. TRAVEE (Virtual Therapist with Augmented Feedback for Neuromotor Recovery), PNCDII- Partnerships, PN-II-PT-PCCA-2013-4-1580, 2014-2016, director de proiect F. Moldoveanu, membri: Ferche Oana-Maria
2. Sistem de formare si evaluare centrat pe student, online, la discipline fundamentale de licenta si masterat din invatamantul superior tehnic, National project, POSDRU, ID. ID 62485, 2010 – 2014
3. SABIMAS - Sistem Informatic avansat, bazat pe imagistica medicala, pentru producerea implanturilor personalizate dedicate artroplastiei de sold, National project, PN-II, 2008 – 2011

### Patents

1. [App. #20150023172]. Sorin A. Pistirica, Dan A. Calavrezo, Casimer M. DeCusatis, Keshav G.Kamble, “Congestion Profiling of Computer Network Devices”, USPTO: <http://patents.justia.com/patent/20150023172>, Jul 16 – 2013
2. [Patent #8891376]. Sorin A. Pistirica, Dan A. Calavrezo, Keshav G. Kamble, Mihail-Liviu Manolachi, “Quantized Congestion Notification—defence mode choice extension for the alternate priority of congestion points”, USPTO: <http://patents.justia.com/patent/8891376> , Oct 07 – 2013