

LISTA COMPLETĂ DE LUCRĂRI

A. TEZA DE DOCTORAT

Analiza și vizualizarea datelor din imagini medicale (Analysis and Visualization of Data from Medical Images)

Universitatea Politehnica din București, 2012

B. CĂRȚI ȘI CAPITOLE DE CĂRȚI

[B-1] V. Asavei, F. Moldoveanu, A. Moldoveanu, A. Egner, A. Morar
Multi GPGPU Optimizations for 3D MMO Virtual Spaces (extended version-book chapter)
Advances in Intelligent Systems and Computing 187, 2013, ISBN 978-3-642-32547-2 , pag
453-462, ISSN 2194-5357, DOI: 10.1007/978-3-642-32548-9, WOS:000312752500032,
Editor I. Dumitrache, Published by Springer-Verlag, Berlin **(Editura internațională - capitol)**

[B-2] A. Moldoveanu, F. Moldoveanu, V. Asavei, A. Egner, A. Morar
From HTML to 3DMMO - A Roadmap Full of Challenges (extended version-book chapter)
Advances in Intelligent Systems and Computing 187, 2013, ISBN 978-3-642-32547-2 , pag
379-392, ISSN 2194-5357, DOI: 10.1007/978-3-642-32548-9, WOS:000312752500027,
Editor I. Dumitrache, Published by Springer-Verlag, Berlin **(Editura internațională - capitol)**

[B-3] Alin Moldoveanu, Corneliu Toader, Delia Cinteza, Florica Moldoveanu, Victor Asavei, Anca Morar
TRAVEE - studiu de caz - initierea unei cercetari ICT in recuperarea neuromotorie, volum
colectiv editat de Alin Moldoveanu, Capitolul „TRAVEE - RAPORTARE LA STADIUL
ACTUAL AL DOMENIULUI. ABORDARE ȘI OBIECTIVE GENERALE”
Editura Printech, ISBN 978-606-23-0349-5, pg. 25-44, 2014
(Editura națională - capitol)

[B-4] Alin Moldoveanu, Florica Moldoveanu, Maria Dascalu, Anca Ionita, Oana Ferche, Victor Asavei, Anca
Morar
UML Practic, Editura Matrix Rom, ISBN: 978-606-25-0118-1, 168 pg., 2014
(Editura națională - carte)

[B-5] Victor Asavei, Anca Morar, Alexandru Gradinaru, Oana Ferche, Lucian Petrescu
Elemente de grafica pe calculator – Material didactic de laborator. 2014
56 pagini., <http://cs.curs.pub.ro/2014/course/view.php?id=174>
(material didactic)

[B-6] Victor Asavei, Anca Morar, Oana Ferche, Lucian Petrescu
Sisteme de prelucrare grafica – Material didactic de laborator. 2014
44 pagini., <http://cs.curs.pub.ro/2014/course/view.php?id=147>
(material didactic)

[B-7] Florica Moldoveanu, Anca Morar
Tehnici de vizualizare a datelor volumetrice, Editura Politehnica Press, ISBN 978-606-515-801-6, 101 pag., 2018
(Editura nationala - carte)

[B-8] Florica Moldoveanu, Anca Morar, Victor Asavei
Prelucrarea imaginilor digitale (Îndrumar de laborator pentru cursul de Sisteme de Prelucrare Grafică), Editura Politehnica Press, ISBN 978-606-515-802-3, 64 pag., 2018
(îndrumar de laborator)

[B-7] Florica Moldoveanu, Anca Morar
Prelucrarea imaginilor în industrie, Editura Politehnica Press, ISBN 978-606-9608-17-3, , 2022
(Editura nationala - carte)

[B-9] Florica Moldoveanu, Alexandru Gradinaru, Anca Morar, Nicolae Goga.
Curs on-line: Security of e-Health systems, dezvoltat in cadrul programului Erasmus+ DECAMP, oferit studentilor de la cele 6 universitati europene din consortiumul proiectului DECAMP. Dezvoltat in 2017, sustinut in 2017, 2018,
<http://cs.curs.pub.ro/2017/course/view.php?id=220>
(suport de curs)

[B-10] Florica Moldoveanu, Anca Morar
Suport pentru cursul Tehnici de Vizualizare a datelor volumetrice și animație pe calculator: 2015-2018, <http://cs.curs.pub.ro/2017/course/view.php?id=212>
(suport de curs)

C. ARTICOLE / STUDII ÎN EXTENSO, PUBLICATE ÎN REVISTE DIN FLUXUL ȘTIINȚIFIC INTERNAȚIONAL PRINCIPAL

- [C-1] Egner A., Moldoveanu F., Goga N., Moldoveanu A., Asavei V., Morar A.
Customized Test Data Generator for HL7v3 based Healthcare Information Systems. Journal of Control Engineering and Applied Informatics, vol. 15, is. 3, pp. 78-86, ISSN: 1454-8658, 2013. **(Indexata ISI)**
- [C-2] Morar A., Moldoveanu F., Asavei V., Petrescu L., Moldoveanu A., Egner A.
GPGPU Based Non-photorealistic Rendering of Volume Data. Journal of Control Engineering and Applied Informatics, vol. 15, is. 1, pp. 45-52, ISSN: 1454-8658, 2013. **(Indexata ISI)**
- [C-3] Morar A., Moldoveanu F., Asavei V., Moldoveanu A., Egner A.
Multi-GPGPU Based Medical Image Processing in Hip Replacement. Journal of Control Engineering and Applied Informatics, vol. 14, is. 3, pp. 25-34, ISSN: 1454-8658, 2012. **(Indexata ISI)**
- [C-4] Mistelbauer M., Morar A., Varchola A., Scherthner R., Baclija I., Kochl A., Kanitsar A., Bruckner S, Groller E.
Vessel Visualization using curvicircular feature aggregation, Computer Graphics Forum, vol 32(3), pp. 231-240, June 2013. **(Indexata ISI – Q1/Q2)**
- [C-5] Petrescu L., Moldoveanu F., Morar A., Asavei V., Moldoveanu A.
Guarded Order Independent Transparency. UPB Scientific Bulletin, Series C: Electrical Engineering, vol. 77 (1), 2015, pp. 3-14, ISSN: 2286-3540 **(Indexata ISI)**
- [C-6] Harutyunyan, P , Moldoveanu, A , Moldoveanu, F , Balan, O , Morar, A , Dascalu, MI
A system for improving IT office employees health using an unconventional user interface, University of Bucharest Scientific Bulletin Series C-Electrical Engineering and Computer Science **(Indexata ISI)**
- [C-7] Morar A., Moldoveanu F., Moldoveanu A., Asavei V., Egner A.
CT Image Processing In Hip Arthroplasty. The Scientific Bulletin of University POLITEHNICA of Bucharest, Series C Electrical Engineering and Computer Science, vol. 75(3), pp. 3-14, ISSN: 2286-3540. 2013. **(Indexata BDI)**
- [C-8] Egner A., Moldoveanu F., Goga N., Moldoveanu A., Asavei V., Morar A.
Enhanced Communication Protocol For ISO-IEEE 11073-20601. U.P.B. Sci. Bull., Series C, Vol. 75, Iss. 2, pp. 3-16. ISSN 2286 – 3540. 2013. **(Indexata BDI)**

- [C-9] Morar, A. , Moldoveanu, F. , Moldoveanu, A. , Asavei, V. , Egner, A.
 Medical Image Processing in Hip Arthroplasty, WSEAS TRANSACTIONS on SIGNAL PROCESSING, Vol. 6, Issue 4, pp. 165-174, 2010, Print ISSN: 1790-5052, E-ISSN: 2224-3488. 2010. **(Indexata BDI)**
- [C-10] Bălan O., Moldoveanu A., Moldoveanu F., Morar A.,
 Assistive IT for Visually Impaired People. Journal of Information Systems & Operations Management, Vol.7 No.2- 2013, pp. 391-404. ISSN 1843-4711. 2013. **(Indexata național)**
- [C-11] Moldoveanu A., Morar A., Asavei V
 3DUPB - The Mixed Reality Campus: A glimpse at how mixed reality systems can shape the future. Revista Română de Interacțiune Om-Calculator 6 (1) 2013, pp. 35-56. ISSN 1843-4460. 2013. **(Indexata național)**
- [C-12] Taslitchi, C, Racovita, V, Moldoveanu, F , Moldoveanu, A , Morar, A, Garmacea, V,
 AUTOMATION OF LIBERAL PROFESSIONS BY APPLYING THE DYNAMIC MANAGEMENT OF DISTRIBUTED CASES CONCEPTS", UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN SERIES C-ELECTRICAL ENGINEERING AND COMPUTER SCIENCE, vol. 80(1), pp. 63-76, 2018 **(Indexata ISI)**
- [C-13] Petrescu L., Morar A., Moldoveanu F., Moldoveanu A.
 "GPU Sparse Ray-Traced Segmentation", IEEE Access, vol. 7, pp. 68511-68521, 2019 **(Indexata ISI – Q1/Q2)**
- [C-14] Iulia-Cristina STĂNICĂ, Alin MOLDOVEANU, Hesham Adnan ALABBASI, Florica MOLDOVEANU, Alexandru GRĂDINARU, Maria DASCĂLU, Anca MORAR, Victor ASAVEI, Mireille RĂDOI
 Evolving the Very Act of Reading with Sociocollaborative Dimensions - AR-Annotations over Physical Books, UPB Scientific Bulletin, vol 82 (2), 2020. **(Indexata ISI)**
- [C-15] Anca Morar ,Alin Moldoveanu ,Irina Mocanu ,Florica Moldoveanu ,Ion Emilian Radoi ,Victor Asavei ,Alexandru Gradinaru and Alex Butean
 A Comprehensive Survey of Indoor Localization Methods Based on Computer Vision, Sensors, vol 20 (9), 2020. **(Indexata ISI – Q1/Q2)**
- [C-16] Gabriel Mistelbauer, Anca Morar, Rüdiger Schernthaner, Andreas Strassl, Dominik Fleischmann, Florica Moldoveanu, M. Eduard Gröller
 Semi-automatic vessel detection for challenging cases of peripheral arterial disease, Computers in Biology and Medicine, Volume 133, 2021,104344, ISSN 0010-4825, <https://doi.org/10.1016/j.combiomed.2021.104344>. **(Indexata ISI – Q1/Q2)**
- [C-17] C. Lambru, A. Morar, F. Moldoveanu, V. Asavei and A. Moldoveanu
 Comparative Analysis of Real-Time Global Illumination Techniques in Current Game Engines," in IEEE Access, vol. 9, pp. 125158-125183, 2021, doi: 10.1109/ACCESS.2021.3109663. **(Indexata ISI – Q1/Q2)**

[C-18] Morar, A.; Băluțoiu, M.-A.; Moldoveanu, A.; Moldoveanu, F.; Butean, A
CultReal—A Rapid Development Platform for AR Cultural Spaces, with Fused Localization.
Sensors 2021, 21, 6618. <https://doi.org/10.3390/s21196618> (**Indexata ISI – Q1/Q2**)

[C-19] Lambru, C., Morar, A., Moldoveanu, F., Asavei, V., & Ivașcu, S
Hybrid global illumination: A novel approach combining screen and light space information.
UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN SERIES C-
ELECTRICAL ENGINEERING AND COMPUTER SCIENCE, 83(2), 3-20. (**Indexata ISI**)

[C-20] Lambru, C.; Moldoveanu, F.; Morar, A.; Asavei, V.; Moldoveanu, A
A Framework for Learning and Rapid Implementation of Real-Time Global Illumination
Methods. Appl. Sci. 2022, 12, 5654. <https://doi.org/10.3390/app12115654> (**Indexata ISI – Q1/Q2**)

[C-21] Andrei LĂPUȘTEANU, Anca MORAR, Alin MOLDOVEANU, Florica MOLDOVEANU, Maria-Anca
BĂLUȚOIU, Victor ASAVEI
VIRTUALIZED ACOUSTICAL MODELING, SIMULATION, AND AURALIZATION OF
A 3D ENVIRONMENT USING SONEL MAPPING", U.P.B. Sci. Bull., Series C, Vol. 84,
Iss. 1, 2022, pp. 1-18 (18 pagini) (**Indexata ISI – Q1/Q2**)

D. PUBLICATII IN EXTENSO, APARUTE ÎN LUCRARI ALE PRINCIPALELOR CONFERINTE INTERNATIONALE DE SPECIALITATE

[D-1] V. Asavei, F. Moldoveanu, A. Moldoveanu, A. Egner, A. Morar
Multi GPGPU Optimizations for 3D MMO Virtual Spaces (extended version for paper presented at the 18th International Conference on Control Systems and Computer Science) - in Advances in Intelligent Systems and Computing 187, pp. 453-462, ISBN 978-3-642-32547-2 , ISSN 2194-5357, Editor I. Dumitrache, Published by Springer-Verlag, Berlin. 2013 **(Indexata ISI)**

[D-2] Alin Moldoveanu, Florica Moldoveanu, Victor Asavei, Alex Egner, Anca Morar
Multi GPGPU Optimizations for 3D MMO Virtual Spaces (extended version for paper presented at the 18th International Conference on Control Systems and Computer Science) - in Advances in Intelligent Systems and Computing 187, pp. 453-462, ISBN 978-3-642-32547-2 , ISSN 2194-5357, Editor I. Dumitrache, Published by Springer-Verlag, Berlin. 2013 **(Indexata ISI)**

[D-3] Petrescu LA, Moldoveanu F, Moldoveanu A, Morar A, Asavei V.
Efficient Picking through Atomic Operations. CSCS 19 - The 19th International Conference On Control Systems And Computer Science, 29-31 May 2013, Bucharest, pp. 66-70, 978-0-7695-4980-4, Published by the IEEE Computer Society. 2013. **(Indexata ISI)**

[D-4] Balan O, Moldoveanu F, Morar A, Asavei V.
An Online Cloud Based Mobile Enabled 3D Human Body e-Learning Solution. Proceedings of the 10th International Scientific Conference on eLearning and Software for Education, 24-25 Apr 2014, Bucharest, Romania, pp. 45-52. **(Indexata ISI)**

[D-5] Butean VA, Moldoveanu A, Ovreiu E, Morar A, Egner A.
Multi GPGPU Optimizations for 3D MMO Virtual Spaces (extended version for paper presented at the 18th International Conference on Control Systems and Computer Science) - in Advances in Intelligent Systems and Computing 187, pp. 453-462, ISBN 978-3-642-32547-2 , ISSN 2194-5357, Editor I. Dumitrache, Published by Springer-Verlag, Berlin. 2013 **(Indexata ISI)**

[D-6] Harutyunyan P, Butean, A, Morar, A, Moldoveanu A, Moldoveanu, F.
"Improving Ergonomics for Sedentary Jobs Through Body-Posture Monitoring", Rethinking Education by Leveraging the eLearning Pillar of the Digital Agenda for Europe, Book Series eLearning and Software for Education, pp. 549-556, 2015. **(Indexata ISI)**

[D-7] Butean, A, Morar, A, Moldoveanu, A, Alexandru, M,
"From Classic Math School Books to Interactive Gamified eLearning", Rethinking Education by Leveraging the eLearning Pillar of the Digital Agenda for Europe, Book Series eLearning and Software for Education, pp. 146-152, 2015. **(Indexata ISI)**

[D-8] Postelnicu, R, Dascalu, MI, Bodea, CN, Morar, A, Moldoveanu A, Tesila, B, Mitrea, A, "IT-Supported Lifelong Learning Practices in Danube Region Countries", eLearning Vision 2020, 12th International Conference on eLearning and Software for Education, Bucharest, Romania, pp. 320-327, 2016. **(Indexata ISI)**

[D-9] Balan, O, Moldoveanu, A, Moldoveanu, F., Morar, A, "From Game Design to Gamification and Serious Gaming - How Game Design Principles Apply to Educational Gaming", eLearning Vision 2020, 12th International Conference on eLearning and Software for Education, Bucharest, Romania, pp. 334-341, 2016. **(Indexata ISI)**

[D-10] Petrescu Lucian, Morar Anca, Moldoveanu Florica, Moldoveanu Alin, "Kinect Depth Inpainting in Real Time", 39th International Conference on Telecommunications and Signal Processing, Vienna, pp. 697-700, 2016. **(Indexata ISI)**

[D-11] Morar, A, Moldoveanu, F, Moldoveanu, A, Balan, O, Asavei, V, "GPU Accelerated 2D and 3D Image Processing", Proceedings of the 2017 Federated Conference on Computer Science and Information Systems (FEDCSIS), 2017. **(Indexata ISI)**

[D-12] Morar, A, Moldoveanu, F, Petrescu, L, Balan, O, Moldoveanu, A, Time-consistent segmentation of indoor depth video frames, 2017 40th International Conference on Telecommunications and Signal Processing (TSP), 2017 **(Indexata ISI)**

[D-13] Balan, O, Moldoveanu, A, Moldoveanu, F, Morar, A, Ivascu, S, Perceptual Feedback Training for Improving Spatial Acuity and Resolving Front-Back Confusion Errors in Virtual Auditory Environments, 2017 40th International Conference on Telecommunications and Signal Processing (TSP), 2017. **(Indexata ISI)**

[D-14] Caraiman, S, Morar, A, Owczarek, M, Burlacu, A, Rzeszotarski, d, Botezatu, N, Herghelegiu, P, Moldoveanu, F, Strumillo, P, Moldoveanu, A, "Computer Vision for the Visually Impaired: the Sound of Vision System", 2017 IEEE International Conference on Computer Vision Workshops (ICCVW 2017), pp. 1480-1489, 2017. **(Indexata ISI)**

[D-15] L. Petrescu, A. Morar, F. Moldoveanu, V. Asavei, "Real Time Reconstruction of Volumes from Very Large Datasets using CUDA", Proceedings of the 15th International Conference on System Theory, Control and Computing, pp. 462-466, Sinaia, 2011 **(Indexata IEEE)**

- [D-16] A. Morar, F. Moldoveanu, E. Gröller,
"Image Segmentation Based on Active Contours without Edges", Proceedings of the 8th International Conference on Intelligent Computer Communication and Processing, Cluj, 2012. **(Indexata IEEE)**
- [D-17] Racovita A, Morar A, Balan O, Moldoveanu F, Moldoveanu A
"Near Infrared for Tissue Analysis", International Conference on Control Systems and Computer Science, Buharest, 2017. **(Indexata ISI, IEEE)**
- [D-18] Ciobanu A, Morar A, Moldoveanu F, Petrescu L, Ferche O, Moldoveanu O,
"Real-Time Indoor Staircase Detection on Mobile Devices", International Conference on Control Systems and Computer Science, Buharest, 2017. **(Indexata ISI, IEEE)**
- [D-19] Baronea C, Cojocaru A, Francu M, Morar A, Asavei V
"Comparison between Incompressible SPH Solvers", International Conference on Control Systems and Computer Science, Buharest, 2017. **(Indexata ISI, IEEE)**
- [D-20] V. Asavei, F. Moldoveanu, A. Moldoveanu, A. Egner, A. Morar
GPGPU for Cheaper 3D MMO Servers. Proceedings of the 9th WSEAS International Conference on Telecommunications and Informatics: Session Information Science and Applications, Catania, Italia, 29-31 Mai 2010. pp. 238-243, ISBN: 978-954-92600-2-1, ISSN: 1790-5117. 2010. **(Indexata BDI)**
- [D-21] Morar, A. , Moldoveanu, F. , Moldoveanu, A. , Asavei, V. , Egner, A.
Computer assisted analysis of orthopedic radiographic images, Proceedings of the 9th WSEAS International Conference on Signal Processing, pp. 66-71, Catania, 2010, ISSN: 1790-5117. 2010. **(Indexata BDI)**
- [D-22] Moldoveanu ADB, Asavei V., Moldoveanu F., Morar A., Egner A., Boiangiu C
Turning Nearshoring into a Success – Managing Technical Background Differences. Annals of DAAAM for 2010 & Proceedings of the 21st International DAAAM Symposium, pp. 0471-0472, ISBN 978-3-901509-73-5, ISSN 1726-9679, Editor B. Katalinic, Published by DAAAM International, Vienna, Austria 2010. **(Indexata BDI)**
- [D-23] Morar A, Moldoveanu F, Moldoveanu A, Asavei V, Boiangiu C, Egner A.
Computer Assisted Analysis of 2D/3D Medical Images. Proceedings of the 21st International DAAAM Symposium/ 4th European DAAAM International Young Researchers and Scientists Conference, pp. 1273-1274, Zadar, 2010, ISSN: 1726-9679. 2010. **(Indexata BDI)**
- [D-24] Egner AI, Moldoveanu F, Moldoveanu ADB, Asavei V, Morar AA, Boiangiu CA.
Testing the interoperability of HL7-based applications using TTCN-3. Annals of DAAAM for 2010 & Proceedings of the 21st International DAAAM Symposium, pp. 1279-1280. ISBN

978-3-901509-73-5, ISSN 1726-9679, Editor B. Katalinic, Published by DAAAM International, Vienna, Austria 2010. **(Indexata BDI)**

[D-25] C. Boiangiu, D. Rosner, A. Olteanu, A. Morar
"Automatic Slanted Edge Target Validation in Large Scale Digitization Projects",
Proceedings of the 21st International DAAAM Symposium/ 4th European DAAAM
International Young Researchers and Scientists Conference, pp. 131-132, Zadar, 2010
(Indexata BDI)

[D-26] Asavei, V., Moldoveanu, A. D. B., Moldoveanu, F., Boiangiu, C. A., Morar, A. - A., Egner, A. I.
Innovative 3D MMO Servers Architectures Based on GPGPU, Annals of DAAAM for 2010
& Proceedings of the 21st International DAAAM Symposium, ISBN 978-3-901509-73-5,
ISSN 1726-9679, pp. 649-650, Editor B. Katalinic, Published by DAAAM International,
Vienna, Austria 2010. **(Indexata BDI)**

[D-27] Morar, A, Moldoveanu, F, Petrescu, L, Moldoveanu, A,
"Real Time Indoor 3D Pipeline for an Advanced Sensory Substitution Device", ICIAP 2017:
Image Analysis and Processing - ICIAP 2017 pp 685-695 **(Indexata BDI)**

[D-28] Morar A., Moldoveanu A., Moldoveanu F., Asavei V, Petrescu L., Balan O., Negoii I., Hostiuc S.
Human-Computer Interfaces Based on Augmented Virtual Reality and Image Processing in
Minimally Invasive Surgery. Proceedings RoCHI 2013 : 10th Romanian Human-Computer
Interaction Conference, 2-4 September 2013, Cluj-Napoca, Romania, ISSN 2344-1690, pp.
101-106 . editată de RoCHI (ACM SIGCHI Romania). 2013. **(Indexata național)**

[D-29] Bălan O., Moldoveanu A., Moldoveanu F., Morar A.
Virtual Reality in Medicine - Achievements, Challenges and Trends, ROCHI National
Conference on Computer-Human Interaction, Cluj-Napoca, September 2-3, pp 91-95. ISSN
2344-1690. editată de RoCHI (ACM SIGCHI Romania). 2013. **(Indexata național)**

[D-30] Morar A., Moldoveanu F., Moldoveanu A., Asavei V., Egner A..
Computer Assisted Insertion of Prostheses Based on Medical Images. Proceedings of the 18th
International Conference on Control Systems and Computer Science, pp.636-641, Bucharest,
2011, ISSN: 2066 - 4451. 2011.

[D-31] Egner A., Moldoveanu F., Moldoveanu A., Asavei V., Morar A.
Automated generation of TTCN-3 type set used for testing of healthcare applications. CSCS
18 - The 18th International Conference On Control Systems And Computer Science, 24-27
May 2011, Bucharest, vol II, pag 794-799, ISSN 2066-4451, Editura Politehnica Press. 2011.

[D-32] R. Taarel, I. Mocanu, O. Balan, A. Morar, A. Moldoveanu,
"MAINTAINING HEALTHY LIFESTYLE FOR ELDERLY PEOPLE THROUGH SERIOUS
GAMES", March, 2017, International Technology, Education and Development Conference
(**indexata ISI**)

[D-33] Cosma C, Moldoveanu A, Moldoveanu F, Morar A, Taslitchi C, Balan O
"Treating Acrophobia with the Help of Virtual Reality", International Scientific Conference
eLearning and Software for Education, Bucharest, 2017, pp. 458-464.

[D-34] Taarel R, Mocanu I, Balan O, Morar A, Moldoveanu A
"Active Gaming to Promote Physical Activity for Elderly People", International Conference
on Education and New Learning Technologies, 2017. (**indexata ISI**)

[D-35] Balan O, Moldoveanu F, Morar A, Asavei V.
Experiments on Training the Sound Localization Abilities: a Systematic Review. Proceedings
of the 10th International Conference on eLearning and Software for Education, Book series:
eLearning and Software for education, 24-25 Apr 2014, Bucharest, Romania, pp. 24-41,
ISSN: 2066-026X, Editor: Roceanu, (**indexata ISI**)

[D-36] Moldoveanu A, Ivascu S, Stanica I, Dascalu M, Lupu R, Ivanica G, Balan O, Caraiman S,
Ungureanu F, Moldoveanu F, Morar A
"Mastering an advanced sensory substitution device for visually impaired through innovative
virtual training", Consumer Electronics - Berlin (ICCE-Berlin), Proceedings of the IEEE 7th
International Conference on, 2017, pp. 120-125, ISBN:978-1-5090-4014-8, ISSN: 2166-
6814, editor: IEEE, 345 E 47TH ST, NEW YORK, NY 10017 USA (**indexata ISI**)

[D-37] Morar, A, Moldoveanu, F, Petrescu, L, Moldoveanu, A
"Real Time Indoor 3D Pipeline for an Advanced Sensory Substitution Device", Proceedings
of ICIAP 2017: Image Analysis and Processing - ICIAP 2017, Edited by: Battiato, S; Gallo,
G; Schettini, R; Stanco, F, pp 685-695. doi: 10.1007/978-3-319-68548-9_62, part of Lecture
Notes in Computer Science, book series LNCS vol 10485, ISBN: 978-3-319-68548-9, Editor:
Springer, Cham (**indexata ISI**)

[D-38] BĂLAN, Oana; TĂEREL, Rareș-Mihai; NEDELICU, Mircea; MOLDOVEANU, Alin; ASAVEI,
Victor; MORAR, Anca; DASCĂLU, Maria-Iuliana
"Design and Development of a Serious Game for Treating Acrophobia", PROCEEDINGS OF
THE 14TH INTERNATIONAL SCIENTIFIC CONFERENCE ELEARING AND
SOFTWARE FOR EDUCATION: ELEARING CHALLENGES AND NEW HORIZONS,
VOL 2, pp. 182-186, DOI: 10.12753/2066-026X-18-095, Edited by: Roceanu, I; Ionita, AD;
Dascalu, MI; Moldoveanu, A; Radu, C; Matu, ST; Colibaba, AC, Buharest, Romania, 2018.
(**indexata ISI**)

[D-39] Moldoveanu, F, Ciobanu, A, Morar, A, Moldoveanu, A; Asavei, V
Real-time segmentation of depth map frames on mobile devices, 2019 22ND
INTERNATIONAL CONFERENCE ON CONTROL SYSTEMS AND COMPUTER
SCIENCE (CSCS), pp. 280-287, Book Series: International Conference on Control Systems
and Computer Science CSCS, 2019. (**indexata ISI**)

- [D-40] Ivascu, S ; Moldoveanu, A ; Moldoveanu, F; Morar, A; Balan, O,
"Virtual Interaction for Visually Impaired and Sighted People", NEW TECHNOLOGIES AND REDESIGNING LEARNING SPACES, VOL I, Edited by:Roceanu, I; Belgian, D; Stefan, IA; Moldoveanu, A; Matu, ST, Book Series: eLearning and Software for Education, Pages: 209-214, 2019. **(indexata ISI)**
- [D-41] Balutoiu, MA; Gradinaru, A; Moldoveanu, A; Moldoveanu, F; Morar, A; Nazare, AK; Radoi, M
LibQuest - Revitalize Libraries and Reading Through Gamification, NEW TECHNOLOGIES AND REDESIGNING LEARNING SPACES, VOL I
Edited by:Roceanu, I; Belgian, D; Stefan, IA; Moldoveanu, A; Matu, ST, Book Series: eLearning and Software for Education, Pages: 173-180, DOI: 10.12753/2066-026X-19-023, 2019. **(indexata ISI)**
- [D-42] Jullia Cristiana Romina BIRSAN ; Florica Moldoveanu ; Alin Moldoveanu ; Maria-Iuliana Dascalu ; Anca MORAR
Key Technologies for Indoor Positioning Systems, 2019 18th RoEduNet Conference: Networking in Education and Research (RoEduNet), 2019. **(indexata ISI)**
- [D-43] Andreea Sicaru ; Anca Morar ; Alin Moldoveanu ; Florica Moldoveanu ; Mariana Mocanu
Computer Gaming for the Visually Impaired -- Status and Perspectives, 2018 IEEE 14th International Conference on Intelligent Computer Communication and Processing (ICCP), 2018. **(indexata ISI)**
- [D-44] Balutoiu, MA; Gradinaru, A; Moldoveanu, A; Moldoveanu, F; Morar, A; Nazare, AK; Radoi, M
LibQuest - Revitalize Libraries and Reading Through Gamification, NEW TECHNOLOGIES AND REDESIGNING LEARNING SPACES, VOL I
Edited by:Roceanu, I; Belgian, D; Stefan, IA; Moldoveanu, A; Matu, ST, Book Series: eLearning and Software for Education, Pages: 173-180, DOI: 10.12753/2066-026X-19-023, 2019. **(indexata ISI)**
- [D-45] Jullia Cristiana Romina BIRSAN ; Florica Moldoveanu ; Alin Moldoveanu ; Maria-Iuliana Dascalu ; Anca MORAR
Key Technologies for Indoor Positioning Systems, 2019 18th RoEduNet Conference: Networking in Education and Research (RoEduNet), 2019. **(indexata ISI)**
- [D-46] Anca Morar, Maria Anca Băluțoiu, Alin Moldoveanu, Florica Moldoveanu, Alex Butean, Victor Asavei
Evaluation of the ARCore Indoor Localization Technology", 2020 19th RoEduNet Conference: Networking in Education and Research (RoEduNet), 2020 **(indexata ISI)**
- [D-47] Lambru, C, Moldoveanu, F, Morar, A, Asavei, V
Area Lights Voxelization for Light Propagation Volumes, GRAPP: Proceedings of the 17th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications, VISIGRAPP, pp. 212-219, 2022, DOI: 10.5220/0010841600003124 **(indexata ISI)**

[D-48]

Lambriu, A. Morar, F. Moldoveanu and V. Asavei

Temporal Sampling for Real-Time Global Illumination," 2021 25th International Conference on System Theory, Control and Computing (ICSTCC), 2021, pp. 75-80, doi: 10.1109/ICSTCC52150.2021.9607159. (**indexata IEEE**)