

## LISTA LUCRĂRILOR ȘTIINȚIFICE

### Carti

Gorgan D., **Melenti C.** (ed): *Prelucrarea grafica paralela si distribuita pe structura grid a datelor geografice si de mediu, vol 2* (engl. Parallel and distributed graphical processing on Grid structure of geographic and environment data), ISBN: 978-973-713-092-1, Ed Mediamira, 2006, pp. 232 (cod CNCSIS 162)

Gorgan D., **Melenti C.** (ed): *Prelucrarea grafica paralela si distribuita pe structura grid a datelor geografice si de mediu (engl. Parallel and distributed graphical processing on Grid structure of geographic and environment data), vol 1*, ISBN: 978-973-713-091-4, Ed Mediamira, 2005, pp. 253 (cod CNCSIS 162)

**Melenti C.:** *Noțiuni de bază în grafica pe calculator*, ISBN: 973-99539-9-9, Ed. VM, 2001

### Capitol de carte

**C. Melenti**, *De la papirus la cartea electronică*, capitol in *Experiență umană. Imagine artistică. Creativitate vizual-plastică*. Editua Dacia 2003, ISBN 973-35-1771-2, pag 328-335

### Articole

1. **C. Melenti**, I.L. Magyar, *Mapping Heavy Metal Contamination by Kriging in Valea Sesei Tailing Pond, Romania*, 15th SGEM Conference, Albena, Bulgaria, in *Informatics, Geoinformatics and Remote Sensing Conference Proceedings*, vol.I, DOI10.5593/sgem2015B21, pp.715-723.
2. **C. Melenti**, I.L. Melenti, *Ontology Use for Risk Identification*, in 2012 5th Romania Tier 2 Federation Grid, Cloud & High Performance Computing Science (RO-LCG), p. 82-85, 2012.
3. M. Mihăescu, S. Cherata, D. Vilcu, C. Vilcu, A. Terec, **C. Melenti** - *An Interactive System for the Grammatical Analysis of Written Texts in Romanian* - ACAM Automated Computers Applied Mathematics, vol. 19, no. 3, pp. 4-12, 2011.
4. L. C. Hedesiu, **C. Melenti** - *Sistem e-learning adaptat pe student*, in ROCHI2010 - Conferinta Nationala de Interactiune Om-Calculator, vol. 1, no. 1, 2010.
5. **C. Melenti**, A.C. Nicu, *Sistem suport pentru învățarea limbii române*, In *Proceedings of ROCHI 2009*, ed. MATRIX ROM (cod CNCSIS 39), București, ISSN 1843-4460, pag. 135-136
6. **C. Melenti**, *Paradigme actuale pentru dezvoltarea societății de mâine. Cartea electronică*, Simpozionul Preuniversitaria ediția a XIX-a, 2008, ISSN 1842-7618, Editura Casei Corpului Didactic Cluj
7. D. Macoviciuc, L. Melenti, **C. Melenti**, A. Imbroane, *Ontologii de mediu. Studiu de caz pentru monitorizarea vegetației*. Simpozionul Preuniversitaria ediția a XIX-a, 2008, ISSN 1842-7618, Editura Casei Corpului Didactic Cluj
8. A. Balag, **C. Melenti**, *Regasirea imaginilor pe baza culorii. Muzeu virtual de artă plastică*, Simpozionul Preuniversitaria ediția a XIX-a, 2008, ISSN 1842-7618, Editura Casei Corpului Didactic Cluj
9. V. Băcu, D. Gorgan and **C. Melenti**. "Satellite image processing by MedioGrid Software Platform", Conti'2008 - The 8th International Conference on Technical Informatics. 2008., vol. 53(67) No. 1 / March 2008 - Transactions on Automatic Control and Computer Science, pag 57-63
10. **Melenti C.**, Imbroane A.M., Gorgan D., Melenti I.L., *Extragerea informatiilor semantice*



- privind vegetația din imaginile satelitare*. Editia aniversara - 50 de ani a Seminarului de cercetari interdisciplinare "Tiberiu Popoviciu", 24-27 sept. 2008, Cluj-Napoca, pag 99-105
11. Imbroane, **C. Melenti** and D. Gorgan. "*Mineral Explorations with Landsat Images Ratios*". Proceedings of the SYNASC 2007, Workshop on Grid Computing Applications Development (GridCAD). 2007. pp. 335-340
  12. **C. Melenti** and D. Gorgan. "*Cultura culorii în proiectarea interfețelor utilizator*". Volumul de lucrari al Conferintei Nationale de Interactiune Om-Calculator – RoCHI2007. 2007. pp. 123-128
  13. D. Gorgan, O. Muresan, V. Bâcu, **C. Melenti** and D. Safta. "*Satellite Image Processing by MedioGRID Platform Kernel*". 16th International Conference on Control Systems and Computer Science. 2007. pp. 142-149.
  14. Gorgan D., **Melenti, C.**, Bacu, V., Muresan, O., *Imagery Based Processing over Grid*. Proceedings of the SE-GRID Workshop on Scientific and Educational Grid Applications, 16 November 2007, Iasi. ISSN 1843-7257, pp. 421-426.
  15. Gorgan D., **Melenti, C.**, Imbroane, A., Bacu, V., Muresan, O., Barbantan, R., *Modelarea si prelucrarea distribuita a datelor spatiale geografice si de mediu*. Prezentare la al 12-lea Simpozion GIS de Sisteme informatice geografice utilizate în gestiunea teritoriului, 3-5 Octombrie 2007, Cluj-Napoca.
  16. Gorgan D., Bâcu, V., Muresan, O., **Melenti, C.**, *Satellite Imagery Classification by Process Description Graphs*. HiPerGRID Workshop at the 16th International Conference on Parallel Architectures and Compilation Techniques (PACT), Brasov, Romania, September 15-19, 2007 (in press).
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  18. **C. Melenti**, D. Safta and D. Gorgan. "*PIMS – Multispectral Image Processing Tool for Semantic Information Detection Based on Vegetation Indices*". Proceedings of the SYNASC 2006, Workshop on Grid Computing Applications Development (GridCAD2006). 2006. pp. 279-288.
  19. **Melenti C.**, Bacu V., Safta D., Gorgan D.: *GREENLAND - Clasificarea zonelor de vegetatie bazata pe arhitectura GRID*. Simpozionul Mediul-Cercetare, Protectie si Gestiune "Environment & Progress 2006", Editia a VI-a, 28-29 Oct 2006, Cluj-Napoca
  20. Gorgan D., **Melenti C.**: *GRID Structure Based Processing of Geographical and Environment Data*. GEO Welcomes FP7 Conference, Constanta, 15 September, 2006
  21. **Melenti C.**, Gorgan D.: *Clasificarea imaginilor satelitare*, Prelucrarea grafica paralela si distribuita pe structura grid a datelor geografice si de mediu, vol 2, ISBN: 978-973-713-092-1, Ed Mediamira, 2006, pp. 29-47
  22. **C Melenti**, A. Imbroane, Prelucrari primare pe imaginile satelitare, Prelucrarea grafica paralela si distribuita pe structura grid a datelor geografice si de mediu, vol 2, ISBN: 978-973-713-092-1, Ed Mediamira, 2006, pp 81-88
  23. E. Todoran, F.M. Boian, **C. Melenti**, N. Papaspyrou, *Continuations for remote object control*, Studia Universitatis Babes-Bolyai Informatica, vol.50, 2005, pag. 21-36 .
  24. **C Melenti**, A. Imbroane, *Prelucrarea imaginilor satelitare*, in Prelucrarea grafica paralela si distribuita pe structura grid a datelor geografice si de mediu, vol 1, ISBN: 978-973-713-091-4, Ed Mediamira, 2005, pag. 42-50
  25. Ordean M., **Melenti C.**, Gorgan D.: *MEDIOGRID System in Meteorological and Environment Applications*. International Conference on Advances in the Internet, Processing, Systems and Interdisciplinary Research, IPSI - 2005 Amalfi, Italy, 17-20 Feb, 2005, pp: 203-207, ISBN: 86-7466-117-3  
<http://www.sti.nasa.gov/Pubs/star/star0520.pdf>
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27. D. Ienei, V. Trifa, I. Sbârciu, C. **Melenti**, O. Gui, Personalized information retrieval system in the art higher education, in Proceedings of SIELMEN 2003, Chişinău, vol I, ISBN 9975-9771-0-3, pag. 241-243
  28. **C. Melenti**, *De la papirus la cartea electronică*, in Acta Universitatis Bogdan Vodă, seria Oeconomica, vol 3, 2002, ISSN 2582-5205, pag. 87-92
  29. I. Sbârciu, M. Baciuc, C. Melenti, O. Gui, D. Ienei, D. Chiorean - *Color Use in Graphical Interface Design*, Proceedings of the 8th International Conference on Optimization of Electrical and Electronic Equipments, OPTIM 2002, Brasov, Romania.
  30. V. Trifa, I. Sbârciu, M. Baciuc, **C. Melenti**, O. Gui – *Expert system on colors generating for web design*, The 17-th International Symposium on Naval and Marine Education, Nav-Mar-Edu, Constanta, 2001, proceedings ISBN 973-85070-0-6
  31. O. Gui, **C. Melenti**, F. Karoly – *Robot control based on visual information*, The 17-th International Symposium on Naval and Marine Education, Nav-Mar-Edu, Constanta, 2001, proceedings ISBN 973-85070-0-6
  32. **C. Melenti** – *Color Management System in Computer Graphics*, the 7-th National Conference in Graphics and Technical Geometry, Grafica 2000, Craiova

*Chebu*



## LISTA PROIECTELOR de cercetare si dezvoltare institutionala

### Director de proiect

1. **2000-2002: e-Book** a new educational means, Contract CNCSIS-IDEI ID 991, Project Director Cornelia Melenti, , University of Art and Design, Cluj-Napoca

### Responsabil de proiect

1. **2007-2010: SINTEGRO** – An Interactive system for the grammatical analysis of written Romanian texts. Theoretical model and implementation technology, Contract PNII – 11-022/2007, Project Director Emma Tamaianu-Morita, Babes-Bolyai University, 2000-2002
2. **2006-2009: SIASTRO** - Software System For The Phrase Analysis Of Romanian Texts. Theoretical Foundations And Implementation, Contract CEEEX 86/2007, Project Director Emma Tamaianu-Morita, Babes-Bolyai University
3. **2005-2008: Mediogrid** – Parallel and distributed processing on Grid of geographical and environmental data, Contract CEEEX 19/2005, Project Director: D. Gorgan, Tech. Univ. Cluj-Napoca.
4. **2004: Infoart**, Contract Leonardo Da Vinci 2, Mobility to Globus Infografik, Germany
5. **2003-2004: eArt** Centre for Continuous Education for Adults, Contract Phare, Project Director Mircea Baciu, University of Art and Design, Cluj-Napoca

### Membru in colectiv proiect:

1. **2014-2016: PECSA**, "Experimental Computer Services Platform for Scientific and Entrepreneurial Development", PN-II-PT-PCCA-2013-4-1976,
2. **2013-2016: BIGEARTH**, "Flexible Processing of Big Earth Data over High Performance Computing Architectures", CDI-STAR project, funded by the Romanian Space Agency (ROSA), 2013-2016
3. **2013-2015: IASON**, "Fostering sustainability and uptake of research results through Networking activities in Black Sea & Mediterranean areas", European FP7 project,
4. **2009-2013: ENVIROGRIDS**, "Black Sea Catchment Observation and Assessment System supporting Sustainable Development", European FP7 project, 2009-2013
5. **2009-2012: mEDUCATOR**, "Multi-type Content Repurposing and Sharing in Medical Education", eContentplus/ Digital Content and Cognitive Systems Programme, 2009-2012
6. **2008-2010: SEE-GRID-SCI**, "SEE-GRID eInfrastructure for regional eScience", European FP7 project, 2008-2010
7. **2007-2009: Global-Comp** – Models, Semantics, Logics and Technologies for Global Computing, Contract PNII – 11-052/2007, Project Director: E. Todoran, Tech. Univ. Cluj-Napoca
8. **2004-2007: iTrace**, Interactive Tracing and Graphical Annotation in Pen-based E-Learning, Minerva Project, Project Director: D. Gorgan, Tech. Univ. Cluj-Napoca.
9. **2001-2003: Image resources in new media**, Contract CNCSIS-IDEI, Project Director Feleki Karoly, , University of Art and Design, Cluj-Napoca

