

CURRICULUM VITAE

- 1. First name:** Ion Eugen
- 2. Last Name:** Ganea
- 3. Date and place of birth:** 17.04.1979, Plenita, Dolj
- 4. Nationality:** Romanian
- 5. Marital status:** Unmarried

6. Education

University/Postgraduate/Doctorate

| | | | |
|---|---|--|--|
| Institution name | University of Craiova Faculty of Automatics, Computers and Electronics Software Engineering | University of Craiova Faculty of Automatics, Computers and Electronics Postgraduate Software Engineering | University of Craiova Faculty of Automatics, Computers and Electronics Ph.D. studies |
| Period: from (mm,yyyy) to (mm, yyyy) | October 1997-June 2002 | October 2002-June 2003 | October 2003-November 2010 |

- 7. Scientific Title:** Engineer, computers specialization

8. Professional experience and teaching /academic

| | | |
|---------------------|---|---|
| Period: | 2002-2004 | 2004-present |
| Place: | Craiova | Craiova |
| Institution: | University of Craiova Faculty of Automatics, Computers and Electronics, Software Engineering Department | University of Craiova Faculty of Automatics, Computers and Electronics, Software Engineering Department |
| Position: | Assistant | Assistant |
| Description: | Domain: Object Oriented Programming, Artificial Intelligence, Visual Programming Environments, Expert Systems, Formal Languages, Compiler Design. | Domain: Object Oriented Programming, Artificial Intelligence, Visual Programming Environments, Expert Systems, Formal Languages, Compiler Design. |

9. Current job and position: University of Craiova, Faculty of Automatics, Computers and Electronics, Software Engineering Department;
Position: Assistant

10. Work experience: 8 years

11. Other languages: English, French

12. Published papers:

12.1. Books:

Brezovan, M., **Ganea, E.** (2007) Elements of visual programming using Visual C++ and MFC library. Publisher SITECH, Craiova, ISBN 978-973-746-475-0 (159 pages)

12.2. Presented papers in specialized journals:

Ganea, E., Mocanu, M. (2003) An Introduction to Image Analysis, Annals of the University of Craiova, Vol. 1, Computers, 2003, pages 119 - 125.

Ganea E., Brezovan M., Ganea S. (2004). Case Tool for Quality Evaluation of C# Programs, Annals of the University of Craiova, Vol. 2, 2004, pages 53 – 58.

Ganea, E., Brezovan, M., Ganea, S., (2005) Image Segmentation Algorithms, Else Software Journal, no. 24, Craiova.

Wotawa, F., Nica, M., **Ganea, E.** (2005) Program Analysis Using Hypergraph Decomposition, Else Software, Publisher Sitech, Craiova.

Brezovan, M., **Ganea, E.** (2007) Object-Oriented High Level Petri Nets as a Formal Language for Modeling and Design Multi-Agent Systems, The International Symposium on Intelligent and Distributed Computing (IDC'2007).

Ganea, E., Brezovan, M., Ganea, S., (2007) A Seismic Data Analysis Method using Fuzzy Neural Nets, Annals of the University of Craiova.

Ganea, E., Brezovan, M., Ganea, S., (2007) Shape recognition using neural nets methods and texture attributes, Else Software, Publisher Sitech, Craiova.

Brezovan, M., **Ganea, E.**, (2008) Interpreted Object Oriented High Level Petri Nets, Annals of the University of Craiova, Vol. 5, Computers, pages 1 - 7.

Ganea, E., Brezovan, M., (2009) The Image Processing and Semantic Interpretation of Information Extracted for an Independent Domain, Annals of the University of Craiova. Series: Automation, Computers, Electronics and Mechatronics.

Ganea, E., Brezovan, M. (2010) An Object Oriented Graph Approach for Image Representation and Query Based on Content, In: International Journal of Computer Science and Applications, Vol. 7(3), pp. 45-60, ISSN: 0972-9038 [Scopus, INSPEC, DBLP, WorldCat]

12.3. Papers presented in conferences specialized volumes:

Ganea, E., Mocanu, M., Image (2003). Shape Recognition, SINTES'11, The International Symposium on System Theory, Automation, Robotics, Computers, Informatics, Craiova, Romania, Computers.

Ganea, E., Brezovan, M., Ganea, S., (2005). Character Recognition Using Neural Networks, SINTES'12, The International Symposium on System Theory, Automation, Robotics, Computers, Informatics, Craiova, Romania, Computers.

Ganea, E., Brezovan, M., Ganea, S., (2007) Seismic Image Processing for Facies Detection using Textural Attributes and Neural Nets, The International Symposium on System Theory, Automation, Robotics, Computers, Informatics, Electronics and Instrumentation (SINTES 13), 18 - 20 of October, Craiova, Romania.

Stanescu, L., Burdescu, D., Brezovan, M., Stoica, C., **Ganea, E.** (2007). An Integrated System for Querying the Medical Digital Collections, 16th International Conference on Information Systems Development, Galway, Ireland. ISD Theory, Practice, and Education. Springer-Verlag: New York, ISBN 978-0387304038.

Ganea, E., Brezovan, M. (2009) An Object-Oriented Approach for Image Processing and Semantic Query based on Content, Proceedings of the International Multi-conference on Computer Science and Information Technology, The 2nd International Symposium on Multimedia – Applications and Processing (MMA'09), October, Poland, ISSN: 1896-7094, [DBLP, IEEE Xplore]

Brezovan, M., Burdescu, D.D., **Ganea, E.**, Stanescu, L. (2009) Normalized Curve Signatures for Shape Representation and Retrieval, Proceedings of the 2009 International Conference on Image Processing, Computer Vision, and Pattern Recognition (ICCV'09), July, Las Vegas, USA, pp. 158-165, [Inspecc, DBLP, IEEE Xplore]

Burdescu, D.D., Brezovan, M., **Ganea, E.**, Stanescu, L. (2009) A New Method for Segmentation of Images Represented in a HSV Color Space, In: Advanced Concepts for Intelligent Vision Systems, Lecture

Notes in Computer Science, vol. 5807, Springer, pp. 606-616, ISSN: 0302-9743 [DBLP, SpringerLink]

Mihai, G., Stanescu, L., Burdescu, D.D., Brezovan, M., **Ganea, E.**, Stoica Spahiu, C., A Modern Tool for Viewing the Learning Resources, Hybrid Learning and Education, Lecture Notes in Computer Science, Vol. 5685, 2009, ISBN: 978-3-642-03696-5 [DBLP]

Brezovan, M., Burdescu, D.D., **Ganea, E.**, Stanescu, L. (2010), An Adaptive Method for Efficient Detection of Salient Visual Object from Color Images, Proceedings of the 20th International Conference on Pattern Recognition (ICPR), Istanbul, 2010, ISBN: 978-0-7695-4109-9, [IEEE Xplore]

Ganea, E., A Unified Approach for Image Segmentation and Annotation to Storage and Retrieval based on Content, Proceedings of the 2nd International Conferences on Advances in Multimedia, Athens, pp. 84-89, ISBN: 978-1-4244-7277-2, [IEEE Xplore]

Brezovan, M., Burdescu, D.D., **Ganea, E.**, Stanescu, L. (2010) Boundary-Based Performance Evaluation of a Salient Visual Object Detection Algorithm, Proceedings of the International Conference on Image Processing, Computer Vision, & Pattern Recognition (ICCV 2010), Las Vegas Nevada, USA, [DBLP]

Ganea, E., Brezovan, M. (2010) Graph Object Oriented Databases for Semantic Image Retrieval, In: Lecture Notes in Computer Science, Vol. 6295, pp. 563-566, ISSN: 0302-9743, DOI: 10.1007/978-3-642-15576-5_46 [SpringerLink].

Ganea, E., Brezovan, M., An Hypegraph Object-Oriented Model for Image Segmentation and Annotation, Proceedings of the International Multiconference on Computer Science and Information Technology, IMCSIT2010, International Multiconference on Computer Science and Information Technology, 18-20 October 2010, Wisła, Poland, pp. 695 – 701, ISSN: 1896-7094, [IEEE Xplore]

Ganea, E., Burdescu, D.D., Brezovan, M., Stanescu, L., Stoica, C. (2010) A System for Image Processing to Automatic Annotation, ICCGI2010, The Fifth International Multi-Conference on Computing in the Global Information Technology, September 20-25, 2010 - Valencia, Spain, ISBN: 978-1-4244-8068-5, pp. 87 – 92, [IEEE CSDL, IEEE Xplore]

Andreea Iancu, Bogdan Popescu, Marius Brezovan, **Ganea, E.** (2010) Region-based Measures for Evaluation of Color Image Segmentation, Proceedings of the International Multiconference on Computer Science and Information Technology, IMCSIT2010, International Multiconference on Computer Science and Information Technology, 18-

20 October 2010, Wisła, Poland, pp. 695 – 701, ISSN: 1896-7094, [IEEE Xplore]

Mihai, G., Stanescu, L., Burdescu, D.D., Doringa, A., Brezovan, M., **Ganea, E.**, A Comparison of Three Graph-Based Image Segmentation Algorithms, International Conference on Image Processing, Computer Vision, and Pattern Recognition, IPCV 2010, Las Vegas Nevada, USA, CSREA Press 2010, [DBLP]

Brezovan, M., Burdescu, D.D., Ganea, E., Stanescu, L., High-Level Petri Nets with Object-Orientation – A High-Level Petri Net Model Allowing Multiple Inheritance and Multiple Polymorphism, In: Studies in Computational Intelligence, Springer, Vol. 315, 2010, pp. 219-228, [DBLP, SpringerLink]

13. Grants and research contracts:

| Project | Position | Period: from ... to... |
|---|-----------------|-------------------------------|
| E-Commerce Supermarket System, Program Eureka Project 2754/2003 | researcher | 2003 - 2004 |
| Multimedia Database Content-Base Retrieval Algorithms Complexity Analysis - Beneficiary: Romanian Academy, Grant no.169/2003 | researcher | 2003 - 2004 |
| Distributed Multimedia Database for Medical Imagistics, Contract no. 33062 / 24.06.2004 | researcher | 2004 - 2005 |
| Using Petri networks For object-oriented Modeling and Simulation Flexible Manufacturing Systems, C.N.C.S.I.S. contract | researcher | 2005 - 2007 |
| Methods based on neural networks for pattern recognition using texture feature, C.N.C.S.I.S. contract | Project manager | 2007 - 2008 |
| New methods based on Petri networks and object-oriented semantic image processing techniques, used for monitoring and supervision of intelligent, flexible manufacturing systems, C.N.C.S.I.S., PN II - IDEI contract | researcher | 2008 - 2011 |

14. Membership of professional associations: Romanian Society of Control Engineering and Technical Informatics (SRAIT); Multimedia Applications Development Research Center, University of Craiova.

15. Other skills (coordination, specializations, disciplines, laboratories): Programming C/C++, Java, Databases, Object-oriented programming, Visual programming environments, Artificial intelligence, Expert systems, Formal languages, Compiler design, Embedded application development, Image processing.

16. Other entries:

Socrates/Erasmus Scholarship: March 2001 - May 2001 Technological Education Institute of Piraeus, Athens, Greece.

17. Managerial experience: CNCSIS Project Manager.

Date
01-10-2010

Asist. Eng. Eugen Ganea