

UNIVERSITY OF CRAIOVA
RESEARCH CENTER FOR ARTIFICIAL INTELLIGENCE
www.rcai.eu

SHORT DESCRIPTION:

In accordance with the Statute of the Research Center for Artificial Intelligence (RCAI) and appropriate Research Strategy of the University of Craiova and in accordance with National Education Law and the Charter of the University of Craiova, scientific research mission of RCAI is to develop and promote innovation in computer science and knowledge transfer, to promote members both nationally and especially internationally and not least to achieve scientific and technological results, competitive nationally and globally.

Research directions:

- a. Multi-agent systems development and their application in process optimization knowledge and digital communication;
- b. Multidimensional data processing in Business Intelligence;
- c. Advanced algorithms with applications in Computer Science (parallel implementations, image processing).

SCIENTIFIC & TECHNICAL TEAM

- Coordinator of the research center:
Daniela Danciulescu, Ph.D., Associate Professor
Domain of interest: Economic Informatics, Business Intelligence
- Team members:
Permanent Members:
 1. Professor Adrian Rusu, Ph.D.,
Department of Computer Science, Rowan University, USA
Domain of interest: Computer Visualization, Digital Watermarking
 2. Associate Professor Cristian Kevorchian, Ph.D.,
Faculty of Mathematics and Computer Science,
Bucharest University, Romania
Domain of interest: Business Intelligence, Big Data Processing,
Data Mining
 3. Associate Professor Cristea Boboila, Ph.D.,
Department of Computer Science, University of Craiova
Domain of interest: Economic Informatics, Business Intelligence
 4. Lecturer engineer Gabriel Stoian, Ph.D.,
Department of Computer Science, University of Craiova
Domain of interest: Communication Networks, Multi-Agent
Systems



5. Lecturer Claudiu Ionuț Popîrlan, Ph.D.
Department of Computer Science, University of Craiova
Domain of interest: Multi-Agent Systems, Web Technologies
6. Lecturer Cristina Popîrlan, Ph.D.
Department of Computer Science, University of Craiova
Domain of interest: Advanced Algorithms, Numerical Analysis
7. Assistant Professor Irina Tudor (Preda), Ph.D.
Department of Computer Science, University of Craiova
8. Assistant Professor Cristian Dinu, Ph.D.
Department of Computer Science, University of Craiova



Associate Members:

1. Associate Professor Dumitru Ebâncă, Ph.D., University of Craiova
2. Associate Professor Mihai Perebinos, Technical University of Moldova,
Chisinau, Republic of Moldova
3. Ph.D. Mihai Istrate, Romania
4. Ph.D. Sorin Dincă, “Spiru Haret“ University, Romania
5. Ph.D. student Daniel Ebâncă, University of Craiova

SERVICES

- Name of the service: Optimization of Communication Networks
- Short description: Analysis of transmitted information and elaboration of metrics used for evaluation and comparing of communication infrastructures; Traffic modeling and generation; Testing, validation, and certification of communication devices/infrastructures; Using of intelligent techniques (intelligent agents, expert systems, knowledge bases, etc.) for analysis and diagnosis of communication networks.
- Specialist/Contact person: Dr. Gabriel Stoian (gstoian@ucv.ro), Dr. Claudiu Popirlan (popirlan@ucv.ro)
- Public access (contact address, cost, etc.): www.rcai.eu

- Name of the service: Big Data Analysis
- Short description: Development of frameworks, tools, applications for big data analysis and their transformation in intelligible information and targeted knowledge; Using of Business Intelligence for making decisions.
- Specialist/Contact person: Dr. Cristian Kevorkian (ck@fmi.unibuc.ro), Dr. Daniela Danciulescu (danadanciulescu@gmail.com)
- Public access (contact address, cost, etc.): www.rcai.eu

- Name of the service: Development of advanced algorithms
- Short description: Study and application of projection algorithms (study and acceleration of convergence of projection algorithms, modeling and analysis of images, reconstruction and restoration of images, image de-noising); using of parallelization techniques for reducing implementation costs when processed images are big.
- Specialist/Contact person: Dr. Cristina Popirlan (cpopirlan@ucv.ro), Dr. Dumitru Ebanca (dumitru@ucv.ro)
- Public access (contact address, cost, etc.): www.rcai.eu
- Name of the service: IT&C Consulting
- Short description: Consulting for software/hardware acquisition, Consulting for IT&C infrastructure optimization, Designing the IT&C infrastructure, Software Projects Management, Support procedures for periodic backup information, Development of software and hardware solutions according to company needs, Custom request software development services, QA services.
- Specialist/Contact person: Dr. Gabriel Stoian (gstoian@ucv.ro), Dr. Claudiu Popirlan (popirlan@ucv.ro)
- Public access (contact address, cost, etc.): www.rcai.eu

EQUIPMENTS

- Name/ Catalog name: IBM System x3650, 6 pcs. connected in a cluster
- Year of acquisition/production: 2008
- Producer: IBM
- Description: Intel® Xeon® Processor 5160, 16 GB RAM, RAID 5 4x73,4 GB
- Data sheet:
<http://www-07.ibm.com/systems/includes/content/x/hardware/rack/x3650/downloads/XSD02333USEN.pdf>
- Photo:



GENERAL CONTACT

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