

# Research topics

<b>Prof. univ. dr. BODEA CONSTANȚA- NICOLETA</b>	<i>Knowledge management. Intelligent systems</i>
	<i>IT project management</i>
	<i>Artificial intelligence approaches in MIS development. Ontologies</i>
<b>Prof. univ. dr. COCIANU CĂȚĂLINA-LUCIA</b>	<i>Digital image processing. Digital signal restoration and compression</i>
	<i>Pattern recognition</i>
	<i>Machine learning for data analysis and forecasting</i>
	<i>Neural networks</i>
	<i>Genetic algorithms and evolutionary programming</i>
<b>Prof. univ. dr. DÂRDALĂ MARIAN</b>	<i>Processing of multimedia resources</i>
	<i>Designing and implementing multimodal interfaces</i>
	<i>Data retrieval techniques in information systems</i>
	<i>Design and implementation of statistical analysis tools in GIS</i>
	<i>Elements of virtual reality in GIS</i>
<b>Prof. univ. dr. GHILIC MICU BOGDAN</b>	<i>Digital democracy</i>
	<i>Demotic and imotic</i>
	<i>Virtual organizations</i>
<b>Prof. univ. dr. LUNGU ION</b>	<i>IT solutions for handling large volumes of data</i>
	<i>Tools to assist the processes of achieving executive information systems</i>
	<i>ICT for business process analysis</i>
	<i>Decision Support Systems for renewable energy</i>
	<i>Methodologies and tools for Business Intelligence</i>

<b>Prof. univ. dr. MUNTEAN MIHAELA</b>	<i>Approaches to collaborative systems in knowledge based environments</i>
	<i>Business Intelligence in collaborative enterprise</i>
	<i>Business Intelligence with Social Media Integration</i>
	<i>Mixed approaches based on collaboration, knowledge management and business intelligence in order to support a smart organizational behavior</i>
	<i>Decision support systems based on large volumes of data - Support for Competitive Intelligence</i>
<b>Prof. univ. dr. NĂSTASE FLOAREA</b>	<i>IT system for the central public administration</i>
	<i>Interoperability applied in the health system</i>
	<i>Quality evaluation of e-business systems</i>
	<i>Security of e-business systems</i>
	<i>Audit of e-business systems</i>
	<i>Semantic technologies applied in electronic business</i>
<b>Prof. univ. dr. SMEUREANU ION</b>	<i>Business ontologies</i>
	<i>Design of a sustainable energy models</i>
	<i>E-learning technologies</i>
	<i>Management information systems</i>
<b>Prof. univ. dr. STOICA MARIAN</b>	<i>Resource management in cloud computing</i>
	<i>Modern paradigms in information management</i>
	<i>Information systems security in virtual organization of activities</i>
<b>Prof. univ. dr. VELICANU MANOLE</b>	<i>Databases - support for mobile devices</i>
	<i>The virtualization in database systems</i>
	<i>Databases in the Cloud Computing</i>
	<i>Optimization techniques in distributed systems</i>

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*Geographical Information Systems - support for sustainable development*

*Optimizing data analysis with business intelligence technologies*

*Solutions to optimize business processes using huge volumes of data - Big Data*

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*Automating the deployment of the business processes on public/private cloud environments*

*Balancing security and transparency in cloud environments*

*Application models deployed on Cloud Computing systems*

*Business models applied to cloud computing environments*

*Towards an analysis of the design principles used in building distributed/cloud infrastructures*

**Prof. univ. dr.  
ZOTA RĂZVAN**