Professor Theodor Borangiu, Ph.D.

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List of research grants and contracts (2000-2016)

⬤ International

1. Big Data, Analytics and Cloud for Digital Transformation on Manufacturing (DTM), IBM Faculty Awards National IBM Research Grant 2016, project coordinator

2. Migration in IBM Cloud of the Service System Modelling and Validation Platform (CloudSSyst), Research Grant IBM, 2014, project coordinator

3. Business Analytics for the Digital Enterprise with IBM Technologies (BA4DigEn), Research Grant IBM, 2014, project coordinator

4. IBM ILOG-based Business Intelligence Infrastructure and Competence Network (ILOG_BI4MES), Research Grant IBM, 2013, project coordinator

5. Empowering Romanian Research on Intelligent Information Technologies (ERRIC), EU grant FP7, REGPOT–2010–1, 2011-2013, Task force WP coordinator

6. Action en Région de Coopération Universitaire et Scientifique (ARCUS) - Transports Urbains et Périurbains, Grant Région Nord Pas de Calais, France, 2006-2007, scientific coordinator partner UPB

7. Gestion informatisée des flous de transport, Project ARCUS, Grant bilateral RO- FR (Nord Pas de Calais) 2006-2008, scientific coordinator partner UPB

8. Feature–based modelling and control of a robot vision system integrated in flexible manufacturing, Grant MERCATOR al Deutsche Forschungsgemeinschaft (DFG), 2002-2003, scientific director of the project

9. Master and Doctorate Program: Intelligent Robot Control and CIM Integration, Grant CNCSIS D174 World Bank, Round 4, 2000-2002, project director

● National

1. Strategic program promoting innovation in services through open, continuous education, (INSEED), contract POSDRU/86/1.2/S/57748, MECTI, 2010-2013, project director

2. Multi-agent manufacturing execution system development and total enterprise integration, Exploratory workshops program, contract PN-II-ID-WE-2012-4-025, UEFISCDI, 2012, project director

3. Strategic R&D program fostering innovation and growth in the service domain, R&D grant ANCS, contract. no. 207 CP/II/2010, ANCS, 2010-2011, project director

4. Inter-regional and transnational doctoral excellence program in the domains "Computers and Information Technology" and "System Engineering" for a knowledge-based economy (CATIIS), Structural Funds EU Project, Axis 1, DMI 1.5, 2010-2012, WP coordinator

5. Autonomous, intelligent robot-vision platforms for product qualification, sorting / processing / packing and quality inspection with holonic, service-oriented, feature-based control architecture (SOFHICOR), R&D grant PN II Program 4 Parteneriat, Contract CNMP, no. 11-042/2007, ANCS, 2007-2010, project director

6. Autonomous, self-learning adaptive control robot – CNC system integrated in a service-oriented architecture for object recovery from depth map images, R&D grant PN II Program IDEI, Contract no. 69/2007, PN II, contract CNCSIS 929, 2007-2010, project director

7. Advanced control platform and new information technologies CANTI, R&D grant MECI, 2006-2008 , Laboratory coordinator

8. Holonic manufacturing control platform with multiple robots and artificial vision for material conditioning (RVHOLON), R&D grant CEEX PN II, contract nr. 42/2006, ANCS, 2006-2008, project director

9. 7-d.o.f. universal mobile robot for constructions (RMUC 7), R&D grant CEEX MI, contract no. 11/2005, ANCS, 2005-2008, project director partner UPB

10. Modelling, design, and object-oriented implementing of adaptive control of multi-robot material conditioning systems, using the holonic manufacturing concept, R&D grant IDEI, CNCSIS, 2006-2008 , project director

11. Virtual, intelligent, high-risk manufacturing processes in the machine building industry for vulnerability reduction and prevention of the consequences of industrial accidents, R&D rant CEEX MI-VIPROHARD, Contract no. 96/ 2006, ANCS, 2006-2008, project director partner UPB

12. Sharing learning and research resources (PRIC), R&D grant CEEX, contract no. 24/2005, ANCS, 2005-2008, project director partner UPB

13. Artificial vision-based device and robotic equipment identifying, locating and on line automatic inspecting products in quality control, sorting and in-line assembly, R&D grant RELANSIN, Contract MECI, 2004-2006, project director

14. Intelligent robot motion control system based on feedback of features extracted from images, for interphasic traceability of mechanical components, R&D grant CNCSIS, 2003-2005, project director

15. Reactive control procedure for mobile robots in unstructured working environments, R&D grant of the Romanian Academy, 2001-2003, project director

16. Visual inspection system with multiple linear cameras for integrated quality control and optimization of material processing in moving scenes, R&D contract 535 MECI, Program RELANSIN, 2000-2002, project director

17. Nonlinear Multivariable Control Algorithms and Implementation Techniques for Rigid Manipulators, R&D grant 32/1998 of the Romanian Academy, 1998-2000, project director

Bucharest, January 12, 2017