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CIPRIAN CÂNDEA

Personal Data

Born date: January 15, 1976

Work experience

- present – General Manager at ROPARDO SRL <http://www.ropardo.ro>
- 2000 – transforming AIRG in Wittmann&Partner Computer Systems – company focusing on custom software development and on research & development for customers all-around of world
- 1999 – 2000. Faculty member: Teaching assistant for: “Automate adjust theory”, “System theory”
- 1999 – creating the AIRG in Sibiu, as a 100% private company with focus on research and development
- 1998 – 1998 Siveco SA, Bucharest, RO
Software Engineer
- 1996 – 2000 Cib – Sib SRL, Sibiu, RO - company, food production and distribution company (production unit and stores). Software development and maintenance of all applications necessary for this company (small ERP)
- 1994 – 1995 Software developer at S.C. “Compard” S.R.L. - Sibiu. Main project: work in the team who built a simulator for metallurgic industry.

Research Experience

Major Projects

- H2020 – MAYA - Multi-disciplinArY integrated simulAtion and forecasting tools, empowered by digital continuity and continuous real-world synchronization, towards reduced time to production and optimization (October 2015 – September 2018)
Representing company for: Project Manager / Software architect / Software engineer
- FP7 - Robo-Mate: Intelligent exoskeleton based on human-robot interaction for manipulation of heavy goods in Europe's factories of the future (September 2013 – August 2016)
Representing company for: Project Manager / Software architect
- FP7 Personalised Guidance Services for Optimizing lifestyle in teen-agers through awareness, motivation and engagement (December 2013 – May 2017) Grant agreement no: 610727
Representing company for: Project Manager / Software architect

- FP7 - Sustainable Mass Customization - Mass Customization for Sustainability (May 2010 – April 2013) - FoF.NMP.2010-2 Supply chain approaches for small series industrial production
Representing company for: Project Manager / Software architect
- FP7 - Virtual Factory Framework (September 2009 – February 2013) - Theme 4 - NMP - Nanosciences, Nanotechnologies, Materials and new Production Technologies
Representing company for: Project Manager / Software architect / Software engineer, Member in the VFF Steering Committee
- PN2 - Intelligent system for assisting decisions in advanced product and process planning and design (November 2008 – September 2011)
Representing company for: Project Manager / Software architect / Software engineer
- FP6 - Digital Factory for Human Oriented Production System (May 2006 – April 2009) - 2.5.9 Collaborative Working Environments
Representing company for: Project Manager / Software architect / Software engineer, Member in the DiFAC Steering Committee
- FP6 - Identity Based Tracking and Web Services for SMEs (June 2006 – May 2009) - ICT for Networked Businesses
Representing company for: Project Manager / Software architect / Software engineer
- PNCDI II - Integrated virtual platform for business management: a tool for increasing SMEs competitiveness (October 2007 – June 2009)
Project coordinator / Software architect
- Research of Excellence - Group decision support system in public administration and academic environment premises for decentralization and democratization of decision making system (October 2005 – May 2008)
Representing company for: Project Manager / Software architect / Software engineer
- Research of Excellence - Quality Management System for Higher Education Based on Knowledge and Learning Informatics Tools (August 2006 – July 2008)
Representing company for: Project Manager / Software architect / Software engineer
- FP6 - Knowledge Based Customized Services for Traditional Manufacturing Sectors Provided by a Network of High Tech SMEs (June 2004 – June 2007)
Representing company for: Project Manager / Software architect / Software engineer
- FP5 - Modular Plant Architecture G1RD-CT-2000-00298 (2002 – 2004)
Representing company for: Project Manager / Software architect / Software engineer
- INFOSOC 3- eUniv – Solutie e-Business solution for academic environment (2001 - 2002)
Member of Management Team



Activities in other projects:

- Team Leader / Software architect / Software engineer for project: Search Engine Agents (SEA), (2001 – 2003)
- Team Leader / Software architect / Software engineer for project: RoboCup between 1999 – 2002, participation at world RoboCup championship / simulation league
- Project Manager / Technical Architect for Wittmann&Partner into TelenurseID ENTITY Inco-Copernicus 4 Framework Project, DGXIII - Telematics in Health, Contract no. IN4029
- Team Leader for project: ICNP Synonyms Manager
- Team Leader for project: ICNP Browser

Events

- 2005 – participate to RoboCup edition held in Osaka with AIRG Sibiu Team and to RoboCup Workshop
- 2000 – Chairman at session Signal Processing and Industrial Electronic 2 at INES 2000 Conference, Portorose, Slovenia
- Organize the 4th EUROPEAN TELENURSE conference Sibiu 2000
- 2000 – participate to RoboCup European edition held in Amsterdam with AIRG Sibiu Team and to first European RoboCup Workshop
- 1999 – participate to RoboCup '99 edition held in Stockholm with Sibiu Team and to International Joint Conference on Artificial Intelligence 1999 (IJCAI)

Education

- 1999 – 2000 course of Master of Science in computer science (specialization: parallel and distributed systems) “Lucian Blaga” University Sibiu (diploma project entitled “Holon – Like Approach for Robotic Soccer”)
- 1994 – 1999 Faculty of Engineering “Lucian Blaga” University Sibiu (specialization: computer science)- diploma project entitled “RoboCup. Strategic Positioning”
- 1996 - training stage at RENNES University: "Microcircuits numeriques integres a grande echele"
- 1990-1994 “Avram Iancu” High School Sibiu, RO Mathematics and Information Technology specialization

Others

- Entrepreneurial competences, Process improvement manager, Negotiations skills, 2013, Bucuresti - People Investment S.R.L
- Project Management, 2013, Bucuresti - People Investment S.R.L

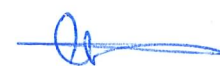


Professional Knowledge

- Advance knowledge on Business Administration
- Advance knowledge on Software Architecture Domain
- Advance knowledge on Project Management of Software Development Cycle
- Scripting and programming – Visual Studio .Net, C/C++, Java / J Script, Domino and Lotus Notes, Power Builder, SQL, HTML, X86 Assembler

Papers

- Candea, C. (2015). Personalized search system for re-ranking web search results. *Revista Română de Informatică și Automatică*, 25(1), 35–50. Retrieved from http://rria.ici.ro/ria2015_1/
- Zamfirescu B. C., Căndea C., Radu C., (2014), A stigmergic approach for social interaction design in collaboration engineering In *Neurocomputing - Bridging Machine learning and Evolutionary Computation (BMLEC) Computational Collective Intelligence* (Ed. Sam Kwong and Qingfu Zhang), Vol. 146, 25 December 2014, Pp. 151, (doi:10.1016/j.neucom.2014.04.061)
- Căndea G.S., Kifor C. V., Căndea C., (2014), Knowledge Repository for FMEA Related Knowledge, *ACTA Universitatis Cibiniensis*, Volume 64, Issue 1, pp.10-16, 11/2014 (DOI: 10.2478/aucts-2014-0003)
- Zamfirescu C.B., Căndea C. (2013), *On Interacting with Collective Knowledge of Group Facilitation*. International Conference, ICCCI 2013. In book: *Computational Collective Intelligence. Technologies and Applications*, pp.255-265 (doi: 10.1007/978-3-642-40495-5_26)
- Radu C., Căndea C., Căndea G.S., Zamfirescu C.B., (2013): Towards a Cloud-Based Group Decision Support System. *Recent Developments in Computational Collective Intelligence 2014*, Springer 2014 Studies in Computational Intelligence ISBN 978-3- 319-01786-0 (p 187-196).
- Zamfirescu C.B., Căndea C., (2012) A Stigmergic Guiding System to Facilitate the Group Decision Process, *IEEE International Conference on Data Engineering (ICDE)*, Washington, DC, USA.
- Căndea C., Căndea G. S, Radu C., Terkaj W., Sacco M., Suci O., (2012)- A practical Use of the Virtual Factory Framework, 14th International Conference on Modern Information Technology in the Innovation Processes of Industrial Enterprises, MITIP 2012.
- Căndea C., Căndea G. S., Filip F. G., (2012) iDecisionSupport – Web-based Framework for Decision Support Systems, 14th IFAC Symposium on Information Control Problems in Manufacturing, INCOM 2012.
- Căndea G. S., Căndea C., Zgripcea C. (2011). Knowledge capitalization into Failure Mode and Effects Analysis in *Proceedings of the Proceedings of DET2011, 7th International Conference on Digital Enterprise Technology*, Athens, Greece.



- Căndea C., Georgescu A. V., Kifor C.V., Căndea G. S., (2010). Workflow-Based Decision Support for Failure Mode and Effects Analysis in Proceedings of the LSS 2010 IFAC Symposium
- Căndea C., Căndea G. S., (2010). "i-Portal and Factory Hub" Chapter in DiFac Book, Elsevier, ISBN 978-1-84996-171-4.
- Căndea C., Georgescu A. V., Căndea G. S., (2009), iPortal, Management framework for mobile-business, International Conference on manufacturing Science and education - MSE 2009- Sibiu.
- Kifor C. V., Oprean C., Lobonț L., Căndea C., Zerbis M., (2008) Decision Support System for Higher Education Institutions. Part 2. System Implementation at LBUS, 1st International Conference on Engineering and Business Education (ICEBE) Wismar.
- Georgescu A.V., Căndea C., Zamfirescu C.B., (2007), iGDSS – Software Framework for Group Decision Support Systems. Proc. of The Good, The Bad and The Unexpected Conference, The User and Future of Information and Communication Technologies, A trans-disciplinary conference organized by COST Action 298 "Participation in the Broadband Society" Moscow, Russian Federation, 23-25 May 2007.
- Moisil I., Oprean, C., Kifor C.V., Căndea, C. (2007), e-Edu-Quality - Software Tools for Quality Management in Higher Education, Proceedings of the 2007 WSEAS International Conference, Tenerife, Spain, ISBN 978 - 960 - 6766 - 22 - 8, pag. 266 - 271, 2007.
- Oprean C., Moisil I., Căndea C., (2002), eUniv: an e-business solution for a university academic environment. In proceedings of 3rd Global Congress on Engineering Education, pp. 363-366, Glasgow, Scotland, United Kingdom, ISBN 0732622018.
- Căndea C., Hu H., Iocchi L., Nardi D., Piaggio M., (2001), Coordination in multi-agent RoboCup teams. In Elsevier Science B.V., Robotic and Autonomous Systems 36, pp. 67-86.
- Zamfirescu, C.B., Căndea C., Luca S.I. (2001). On Integrating Agents Into GDSS. In F.G. Filip, I. Dumitrache and S.S. Iliescu (Eds.) Preprints of the 9th IFAC / IFORS / IMACS / IFIP/ Symposium on Large Scale Systems: Theory and Applications. Bucharest, Romania, p. 231-236. ICI Press, ISBN 973-98407-8-7.
- Bărbat B., Căndea C., Zamfirescu C.B., (2001), Holons and Agents in Robotic Teams. A Synergistic approach. In proceedings of ENAIS'2001, Dubai, pp. 654 – 660, ISBN: 3-906454-25-8.
- Căndea C., Staicu M., Vintan L., (2000), Automatic Synthesis of Branch Prediction Schemes through Genetic Programming. In Proceedings of CONTI'2000: Fourth International Conference on Technical Informatics, Timisoara, Romania.
- Căndea C., Staicu M., Zamfirescu C.B., (2000), SEA: An agent-based system for modelling and searching the Web. In: Proc. Of the 4th IEEE International

conference on Intelligent Engineering Systems, pp. 103-106, Portoroz, Slovenia.

- Căndeă C., Staicu M., Bărbat B., (2000), Holon - Like Approach for Robotic Soccer, in Proceedings of the RoboCup European Workshop 2000 on (CD), Amsterdam, Holland.
- Iozon G. S., Căndeă C., (1999). RoboCup '99. Level and Trend, in Proceedings of the International Conference Beyond 2000, pp. 61 – 64, Sibiu, Romania
- Căndeă C., Oancea M., Volovici D., (1999). Emulating real soccer, in Proceedings of the International Conference Beyond 2000, pp. 35 – 38, Sibiu, Romania.

**Professional
interests:**

- Entrepreneurship in IT Software industry
- Software development process / Custom software development
- Software agents and Multi-agent systems (MAS)
- Artificial intelligence (i.e. neural networks, machine learning)
- Internet search improvement
- Decision Support Systems
- e-Commerce
- Process planning in industrial processes

