

CURRICULUM VITAE

PERSONAL INFORMATION



Name **Dr. Emilia Georgeta Cimpian**

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Nationality Romanian

Date of birth [20, 06, 1979]

WORK EXPERIENCE

Dates (from –to) July 2009 - Present

Name and address of employer
 seekda GmbH
 Grabenweg 68
 6020 Innsbruck
 Austria

Type of business or sector e-Tourism

Occupation or position held Researcher

Main activities and responsibilities

- Contributor to SOA4All and Service-Finder European projects
- Project acquisition

Dates (from –to) July 2009 – October 2009

Name and address of employer
 Semantic Technology Institute International
 Amerlingstrasse 19/35
 A-1060 Vienna
 Austria

Type of business or sector Research

Occupation or position held Tutor (for SemSphere)

Main activities and responsibilities
 Development of course material
 Tutor for Semantic Technologies

Dates (from –to)	February 2006 – December 2010
Name and address of employer	Semantic Technology Institute (STI) Innsbruck, Universität Innsbruck (http://www.sti-innsbruck.at/), former known as Digital Enterprise Research Institute Innsbruck (DERI) ICT - Technologie Park Innsbruck 2nd Floor Technikerstraße 21a 6020 Innsbruck Austria
Type of business or sector	Research
Occupation or position held	Researcher
Main activities and responsibilities	<ul style="list-style-type: none"> • Project coordinator for the SemBiz FIT-ITproject • STI contact and effort coordinator for ASG European project • Work Package Leader for the SUPER European project • Contributor to DIP, ASG, SemanticGov, KnowledgeWeb, and SUPER European projects • Projects acquisition <ul style="list-style-type: none"> • Work on my PhD
Dates (from –to)	January 2004 - January 2006
Name and address of employer	Digital Enterprise Research Institute (DERI) Ireland, National University of Ireland, Galway (http://www.deri.ie) IDA Business Park, Lower Dangan, Galway, Ireland
Type of business or sector	Research
Occupation or position held	Junior Researcher
Main activities and responsibilities	<ul style="list-style-type: none"> • Contributor to DERI Lion Science Foundation Ireland Project and DIP European Union Project
Dates (from –to)	March 2003 - August 2003
Name and address of employer	Knowledge-Based Engineering Department at Daimler Chrysler AG Research & Technology Centre, Berlin, Germany
Type of business or sector	Research
Occupation or position held	Scholarship
Main activities and responsibilities	<ul style="list-style-type: none"> • Work on my master thesis - the thesis analyses the interoperability and information interchangeability among knowledge-representation systems • Java Development - extending a Protégé a based tool with an XML import/export plug-in

EDUCATION AND TRAINING	
Dates (from-to)	2005 – November 2010
Title of qualification awarded	PhD Student
Principal subjects/occupational skills covered	Thesis subject: The thesis is focusing on Semantic Web Services interoperability, in particular the reconciliation of behavioural mismatches. For this, the heterogeneity problems that can occur during the interaction of the services are first identified and classified. Furthermore, two prototypes able to cope with the identified heterogeneity problems were developed..
Name and type of organisation providing education and training	National University of Ireland, Galway (http://www.nuigalway.ie/)
Dates (from-to)	1998 – 2003
Title of qualification awarded	Diploma Engineer (Dipl. Ing.)
Principal subjects/occupational skills covered	<ul style="list-style-type: none"> • Mathematics (Analysis, Algebra etc.) • Computer Science (OO Programming , Logic Programming, Databases, Operating Systems, Artificial Intelligence, Computers Architectures, Data Structures and Algorithms, Computer Networks, etc.)
Name and type of organisation providing education and training	Technical University of Cluj-Napoca, Romania (http://www.utcluj.ro/) Computer Science department
PERSONAL SKILLS AND COMPETENCES	
MOTHER TONGUE(S)	Romanian
OTHER LANGUAGE(S)	English
▪ Reading Skills	Excellent
▪ Writing Skills	Excellent
▪ Verbal Skills	Excellent
	German
▪ Reading Skills	B1 Level
▪ Writing Skills	B1 Level
▪ Verbal Skills	B1 Level

	French
▪ Reading Skills	Basic
▪ Writing Skills	Basic
▪ Verbal Skills	Basic
ORGANISATIONAL SKILLS AND COMPETENCES	<ul style="list-style-type: none"> • Project coordinator for the SemBiz FIT-IT project • Responsible person from LFUI's part in ASG project • Work package leader in SUPER European project • Deliverable leader in SemBiz, SUPER, DIP, and DERI Lion projects
COMPUTER SKILLS AND COMPETENCES	<p>Programming Languages and Modeling Environments</p> <ul style="list-style-type: none"> • Java related frameworks and technologies • Logic Programming Languages • BPMN, BPEL • Ontology Engineering Tools (for example Protégé, WSMO Studio) • SQL • XML and related technologies (XSD, DOM, SAX) • HTML/DHTML <p>Software Systems</p> <ul style="list-style-type: none"> • Software development and administration tools - Eclipse • SVN, CVS, SQL Navigator • Database systems (development, administration) - e.g. MySQL, SQL Server • Operating systems - MS Windows 98/NT/2000/XP • Office software - Adobe Acrobat, MS Office Word, Excel, PowerPoint, Access and Outlook • LaTeX • MS Visio <p>Computer Networks</p> <ul style="list-style-type: none"> • Basic knowledge of direct Internet and TCP/IP based system architecture using HTTP, FTP, SMTP etc. <p>Certifications:</p> <ul style="list-style-type: none"> • Semantic Technology Specialist • Semantic Technology Professional • Academy Trainer (for semantic technologies)
DRIVING LICENCE(S)	Category B, Acquired in 1997

ADDITIONAL INFORMATION	Research Interests: Process Mediation, Business Process Modeling, Business Process Management, Service Oriented Architecture, Semantic Web Services, Semantic Data Integration, Ontologies
ANNEXES	Annex A: Career-related Activities Annex B: Publications

Annex A: Career-related Activities

Involvement in projects

- 2009 – 2010: "Service Oriented Architectures for All (SOA4All)" EU Project FP7-215219, <http://www.soa4all.eu/>
- 2006 - 2009: "Semantics Utilized for Process management within and between Enterprises (SUPER)", EU Project FP6-026850, <http://www.ip-super.org/>
- 2006 - 2008: "Semantic Business Process Management for flexible dynamic value chains"; FIT-IT Project 812525, <http://www.sembiz.org/>
- 2006 - 2007: "Providing Integrated Public Services to Citizens at the National and Pan-European level with the use of Emerging Semantic Web Technologies (SemanticGov)", EU IST STREP Project FP6-2004-IST-4-02751, <http://www.semantic-gov.org/>
- 2006 - 2007: "Knowledge Web", EU Network of Excellence (NoE) Project IST-2004-507482 KWEB,, <http://knowledgeweb.semanticweb.org/>
- 2006 - 2007: "Adaptive Services Grid (ASG)", EU Project FP6-IST-2.3.2.3-004617, <http://asg-platform.org/cgi-bin/wiki/view/Public/WebHome>
- 2004 - 2005: "DIP- Data, Information, and Process Integration with Semantic Web Services", EU Integrated Project, no. FP6 - 507483, <http://dip.semanticweb.org/>
- 2004 - 2005: "DERI Lión" Science Foundation Ireland Project, under grant No. SFI/02/CE1/I131, <http://lion.deri.ie/>

Memberships

- "Conceptual Models for Services (CMS)", Working Group, <http://cms-wg.sti2.org/>
- "Web Service Modeling Ontology (WSMO)" Working Group, <http://www.wsmo.org/>
- "Web Service Execution Environment (WSMX)" Working Group, <http://www.wsmx.org/>
- Oasis "Semantic Execution Environment (SEE)" Technical Committee, <http://www.oasis-open.org/committees/semantic-ex>

Tutorials Presented:

- M. Stollberg, E. Cimpian, L. Cabral, J. Domingue: Semantic Web Services, *21st National Conference on Artificial Intelligence (AAAI 2006)*, Boston, MA (USA).
- E. Cimpian, O. Shafiq, M Stollberg, M. Zaremba, D. Roman, L. Cabral, J. Domingue: Semantic Web Services; State of Affairs, *1st Asian Semantic Web Conference (ASWC2006)*, Beijing, China.
- E. Cimpian, T. Haselwanter, M. Kerrigan, A. Mocan, O. Shafiq, A. Sirbu, M. Zaremba: Semantic Web Service Systems and Tools, *180 Days of DERI Innsbruck*, Innsbruck, Austria, June 30, 2006.
- D, Berardi, C. Bussler, L. Cabral, E. Cimpian, J. Domingue. M. Mecella, M. Morgan, M. Stollberg, K. Sycara, M. Zaremba: Semantic Web Services Tutorial, *2nd Annual European Semantic Web Conference (ESWC 2005)*, Heraklion, Crete May 29 - June 1, 2005.

Annex B: Publications

PhD Thesis:

- E. Cimpian: Message based Semantic Process Mediation, October 2010.

Book Chapters:

- A. Mocan, E. Cimpian, C. Bussler: Data and Process Mediation in Semantic Web Services. In Dimitrios Georgakopoulos and Michael Papazoglou (eds.), *Service-Oriented Computing*, MIT Press, 2009, ISBN: 0262072963, 9780262072960.
- E. Cimpian H. Meyer, D. Roman, A. Sirbu, N. Steinmetz, S. Staab, Ioan Toma: Ontologies and Matchmaking. In Dominik Kuroepka, Steffen Staab, Peter Tröger and Mathias Weske (eds.), *Semantic Service Provisioning*, 2008, Springer, ISBN: 978-3-540-78617-7.
- A. Mocan, E. Cimpian, D. Fensel: Mediation. In Dieter Fensel, Mick Kerrigan, Michal Zaremba (eds.), *Implementing Semantic Web Services*, 2008, Springer, ISBN: 978-3-540-77019-0.

Selected Papers:

- Adrian Mocan, Mick Kerrigan, Emilia Cimpian: Applying Reasoning to Instance Transformation. *International Workshop on Ontologies: Reasoning and Modularity*, June 2008, Tenerife, Spain.
- Z. Zhou, B. Sapkota, E. Cimpian, D. Foxvog, L. Vasiliu, M. Hauswirth and P. Yu: Process Mediation Based on Triple Space Computing. In *Proceedings of The 10th Asia-Pacific Web Conference*, April 2008, Shenyang, China.
- A. Mocan, E. Cimpian: An ontology-based data mediation framework for semantic environments. *International Journal on Semantic Web and Information Systems (IJSWIS)*, 3(2), 66-95, April-June, 2007.
- T. Vitvar, A. Mocan, M. Kerrigan, M. Zaremba, M. Zaremba, M. Moran, E. Cimpian, T. Haselwanter, D. Fensel: Semantically-enabled Service Oriented Architecture: Concepts, Technology and Application. *Journal of Service Oriented Computing and Applications*, Springer London, 2007, issn: 1863-2386.
- Z. Yan, E. Cimpian, M. Zaremba, M. Mazzara: BPMO: Semantic Business Process Modeling and WSMO Extension. In *Proceedings of the IEEE International Conference on Web Services 2007 (ICWS2007)*, July, 2007, Salt Lake City, Utah, USA.
- E. Cimpian: Process Mediation in Semantic Web Services, *KnowledgeWeb PhD symposium, The 4th European Semantic Web Conference (ESWC 2007)*, June 2007, Innsbruck, Austria.
- Z. Yan, M. Mazzara, E. Cimpian, A. Urbanec: Business Process Modeling: Classification and Perspective. The 1st International Conference on Business Process and Services Computing (BPSC2007), Leipzig, Germany, September 2007.
- O. Shafiq, M. Moran, E. Cimpian, A. Mocan, M. Zaremba, D. Fensel: Investigating Semantic Web Service Execution Environments: A comparison between WSMX and OWL-S tools, *The 2nd International Conference on Internet and Web Applications and Services (ICIW2007)*, May 13-19, 2007, Morne, Mauritius.
- Mocan, E. Cimpian, M. Kerrigan: Formal Model for Ontology Mapping Creation, *The 5th International Semantic Web Conference (ISWC 2006)*, November 2006, Athens, USA.
- Mocan, M. Zaremba, M. Moran, E. Cimpian: Filling the Gap Extending Service Oriented Architectures with Semantics, *Second IEEE International Symposium on Service-Oriented Applications, Integration and Collaboration (SOAIC-2006)*, October 2006, Shanghai, China.
- E. Cimpian, A. Mocan, M. Stollberg: Mediation Enabled Semantic Web Services Usage, *1st Asian Semantic Web Conference (ASWC2006)*, September 2006, Beijing, China.
- M. Stollberg, E. Cimpian, A. Mocan, D. Fensel: A Semantic Web Mediation Architecture, *Canadian Semantic Web Working Symposium (CSWWS 2006)*, June 2006, Quebec city, Canada.
- E Cimpian, A. Mocan: WSMX Process Mediation Based on Choreographies, *1st International Workshop on Web Service Choreography and Orchestration for Business Process Management*, September 2005, Nancy, France.
- E. Cimpian, M. Kerrigan: WSMX Process Mediation, *Second WSMO Implementation Workshop*, June 2005, Innsbruck, Austria. (position paper).

- Mocan, E. Cimpian: Mappings Creation Using a View Based Approach, *First International Workshop on Mediation in Semantic Web Services*, December 2005, Amsterdam, the Netherlands.
- E. Cimpian: Process Mediation Using Choreographies, CDH Seminar, December 2005, Galway, Ireland.
- Haller, E. Cimpian, A. Mocan, E. Oren, C. Bussler: WSMX - A Semantic Service-Oriented Architecture, *International Conference on Web Services (ICWS 2005)*, 2005, Orlando, Florida, USA.
- L. Vasiliu, S. Harand, E. Cimpian: The DIP Project: Enabling Systems & Solutions for Processing Digital Content with Semantic Web Services, *European Workshop on the Integration of Knowledge, Semantics and Digital Media Technology*, November 2004, London, UK.
- Adrian Mocan, Emilia Cimpian, Michal Zaremba, Christoph Bussler: Mediation in Web Service Modeling Execution Environment (WSMX), *Information Integration on the Web (iiWeb2004)*, August 2004, Toronto, Canada.
- Emilia Cimpian, Adrian Mocan, Radu Popovici, Horatiu Tarcea: KBQL: A Query Language for Protege Based Ontologies, *Automation, Quality and Testing, Robotics, Junior Branch*, 2002, Cluj-Napoca, Romania.