

CURRICULUM VITAE

PERSONAL INFORMATION



Name Adrian Mocan
Address 75, Dr. StumpfStrasse, 6020, Innsbruck, Austria
Telephone Office: +43 512 507 96843
Mobile: +43 676 905 7516
Fax +43 512 507 9872
e-Mail ady_me@yahoo.com, adrian.mocan@sti2.at
Nationality Romanian
Date of birth [11, April, 1980]

WORK EXPERIENCE

Dates (from –to)	January, 2008 - present
Name and address of employer	Semantic Technology Institute (STI) Innsbruck, Universität Innsbruck ICT - Technologie Park Innsbruck 2nd Floor Technikerstraße 21a 6020 Innsbruck Austria
Type of business or sector	Research
Occupation or position held	Junior Researcher
Main activities and responsibilities	<ul style="list-style-type: none">• Finalizing my PhD thesis• Workpackage leader and responsible person from STI side for the SHAPE (http://www.shape-project.eu/) project• Workpackage leader and responsible person from STI side for the SemanticGov (http://www.semantic-gov.org) project• Contributor to SemanticGov, SHAPE and Super (http://www.ip-super.org) European Union projects• Leader of the <i>Mediation Working-group</i> in STI Innsbruck
Dates (from –to)	February, 2006 – December, 2007

Name and address of employer	Digital Enterprise Research Institute Innsbruck, Universität Innsbruck ICT - Technologie Park Innsbruck 2nd Floor Technikerstraße 21a 6020 Innsbruck Austria
Type of business or sector	Research
Occupation or position held	Junior Researcher
Main activities and responsibilities	<ul style="list-style-type: none"> • Working on my PhD thesis • Workpackage leader and responsible person from LFUI side for the SemanticGov (http://www.semantic-gov.org) project • Contributor to SemanticGov, Super (http://www.ip-super.org) and KnowledgeWeb (http://knowledgeweb.semanticweb.org) European Union projects • Leader of the <i>Mediation Working-group</i> in DERI Innsbruck
Dates (from –to)	January, 2004 – January, 2006
Name and address of employer	Digital Enterprise Research Institute Ireland (DERI), National University of Ireland, Galway 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"> • Working on my PhD thesis • Contributor to DERI Lón Science Foundation Ireland Project and DIP (http://knowledgeweb.semanticweb.org) European Union Project
Dates (from –to)	2003 (March – August)
Name and address of employer	Knowledge-Based Engineering Department at Daimler Chrysler AG's Research & Technology Center, Berlin, Germany
Type of business or sector	Research
Occupation or position held	Scholarship
Main activities and responsibilities	<ul style="list-style-type: none"> • Working on my Master Thesis • Java Development – extending a Protégé a based tool with a visualizing plug-in for “Stepwise Constraint Processing along the Engineering Process Chain”
EDUCATION AND TRAINING	
Dates (from-to)	2004-present
Title of qualification to be awarded	PhD (expected graduation date: October 2008)

Principal subjects/occupational skills covered	<p><i>Thesis title:</i> “Ontology-Based Data Mediation for Semantic Environments”</p> <p><i>Thesis short abstract:</i> The thesis focuses on a set of strategies and enhancements of the classical approach towards ontology mapping tools and run-time mediation components. It also proposes a formal model that unifies the conceptual models of the design-time and run-time tools, improving and making more explicit the process of translating the domain expert inputs (placed in a graphical interface) to the logical formalism that is to be executed by the run-time tool.</p>
Name and type of organization providing education and training	National University of Ireland, Galway
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 – Computer Science Department
Dates (from-to)	1994-1998
Title of qualification awarded	Assistant Program Analyst
Principal subjects/occupational skills covered	<ul style="list-style-type: none"> • General knowledge (mathematics, physics, computer science, etc.) • Computer Programming (Pascal, C++)
Name and type of organisation providing education and training	“Emanuil Gojdu” High School, Oradea, Romania
PERSONAL SKILLS AND COMPETENCES	
MOTHER TONGUE(S)	Romanian
OTHER LANGUAGE(S)	English
▪ Reading Skills	Excellent
▪ Writing Skills	Excellent
▪ Verbal Skills	Excellent
	German

▪ Reading Skills	Basic
▪ Writing Skills	Basic
▪ Verbal Skills	Basic
ORGANIZATIONAL SKILLS AND COMPETENCES	<ul style="list-style-type: none"> • Workpackage and deliverable leader in SemanticGov project • Leader of the <i>Mediation Working-group</i> in DERI Innsbruck
COMPUTER SKILLS AND COMPETENCES	<p><i>Programming Languages and Environments</i></p> <ul style="list-style-type: none"> • Java related frameworks and technologies • Logic Programming Languages (e.g. Prolog) • Ontology Languages (WSML, OWL, RDF/RDF-S) • Web Services (Axis) • SQL • XML and related technologies (XSD, DOM, SAX) • HTML/DHTML • Scripting languages – bash, JavaScript, etc. <p><i>Software Systems and Tools</i></p> <ul style="list-style-type: none"> • Software development and administration tools – Eclipse, JBuilder from Borland • CVS, SQL Navigator • Database systems (development, administration) – e.g. MySQL, SQL Server • Operating systems – Linux (administration, programming, maintenance), MS Windows 98/NT/2000/XP • Office software – Adobe Acrobat, MS Office – Word, Excel, PowerPoint, Access and Outlook • LaTeX • MS Visio <p><i>Computer Networks</i></p> <p>Basic knowledge of direct Internet and TCP/IP based system architecture using DHCP, DNS, SNMP, POP3 / IMAP4, HTTP, FTP, SMTP etc.</p>
DRIVING LICENCE(S)	Category B. Acquired 1998
ADDITIONAL INFORMATION	<p>Research Interests</p> <p>Data Mediation, Semantic Web Services, Service Oriented Architecture, Ontologies</p>
ANNEXES	<p>Annex A: Career-related Activities</p> <p>Annex B: Publications</p>

Annex A: Career-related Activities

Involvement in projects

- 2008: “Semantically-enabled Heterogeneous Service Architecture and Platforms Engineering (SHAPE), EU IST STREP Project FP7- 216408, <http://www.shape-project.eu/>
- 2006-2008: “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/>
- 2006-2008: “Semantics Utilized for Process management within and between Enterprises (SUPER)”, EU Project FP6-026850, <http://super.semanticweb.org/>
- 2006-2007: “Knowledge Web”, EU Network of Excellence (NoE) Project IST-2004-507482 KWEB, <http://knowledgeweb.semanticweb.org/>
- 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 Lion” Science Foundation Ireland Project, under grant No. SFI/02/CE1/I131

Memberships

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

Annex B: Publications

Book Chapters

- Jérôme Euzenat, **A. Mocan**, François Scharffe. Ontology Alignments: An Ontology Management Perspective. Book Chapter in Martin Hepp, Pieter De Leenheer, Aldo de Moor and York Sure (eds.), *Ontology Management*, 2007, Springer, ISBN: 978-0-387-69899-1
- M. Zaremba, M. Moran, **A. Mocan**, M. Kerrigan. Web Service Modeling Ontology. Book Chapter in Cardoso, J. and Amit Sheth (eds.), *Semantic Web Services, Processes and Applications*, 2006, Springer, ISBN: 0-38730239-5
- D. Roman, J. de Bruijn, **A. Mocan**, I. Toma, H. Lausen, J. Kopecky, D. Fensel, J. Domingue, S. Galizia, L. Cabral. Semantic Web Services - Approaches and Perspectives. Book Chapter in J. Davies, P. Warren, and R. Studer (eds.), *Semantic Web Technologies: Trends and Research in Ontology-based Systems*, June, 2006

Selected Workshop and Conference Papers

- **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, Michal Zaremba, Maciej 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.
- M. Kerrigan, **A. Mocan**, M. Tanler, D. Fensel: The Web Service Modeling Toolkit - An Integrated Development Environment for Semantic Web Services, *Proceedings of the 4th European Semantic Web Conference (ESWC), System Description Track*, June 2007, Innsbruck, Austria
- 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
- M. Kerrigan, **A. Mocan**, M. Tanler, W. Bliem: Creating Semantic Web Services with the Web Service Modeling Toolkit (WSMT), *Proceedings of the workshop on Making Semantics Work For Business (MSWFB) at the 1st European Semantic Technology Conference (ESTC)*, May 2007, Vienna, Austria

- X. Wang, T. Vitvar, **A. Mocan**, V. Peristeras, S. K. Goudos, K. Tarabanis: WSMO-PA: Formal Specification of Public Administration Service Model on Semantic Web Service Ontology, *Hawaii International Conference on System Sciences*, January 2007, Hawaii
- **A. Mocan**, E. Cimpian, M. Kerrigan: Formal Model for Ontology Mapping Creation, *The 5th International Semantic Web Conference (ISWC 2006)*, November 2006, Athens, USA
- **A. 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
- D. Roman, J. de Bruijn, **A. Mocan**, H. Lausen, C. Bussler, D. Fensel: WWW: WSMO, WSML, and WSMX in a Nutshell, *1st Asian Semantic Web Conference (ASWC2006)*, September 2006, Beijing, China
- E. Cimpian, **A. Mocan**, M. Stollberg: Mediation Enabled Semantic Web Services Usage, *1st Asian Semantic Web Conference (ASWC2006)*, September 2006, Beijing, China
- V. Peristeras, **A. Mocan**, T. Vitvar, S. Nazir, S. Goudos, and K. Tarabanis. Towards Semantic Web Services for Public Administration based on the Web Service Modeling Ontology (WSMO) and the Governance Enterprise Architecture (GEA). *5th International Conference on Electronic Government (EGOV 2006)*, Krakow, Poland, September 2006
- T. Vitvar, **A. Mocan**, and V. Peristeras. Pan-European E-Government Services on the Semantic Web Services, *Workshop on E-Government: Barriers and Opportunities*, May 2006, Edinburgh, Scotland
- M. Stollberg, E. Cimpian, **A. Mocan**, and D. Fensel. A Semantic Web Mediation Architecture. *Canadian Semantic Web Working Symposium (CSWWS 2006)*, June 2006, Québec city, Canada
- **A. Mocan** and E. Cimpian. Mapping Creation Using a View Based Approach. *1st International Workshop on Mediation in Semantic Web Services (Mediate 2005)*, December 2005, Amsterdam, Netherlands
- E. Cimpian and **A. Mocan**. WSMX Process Mediation Based on Choreographies. *1st International Workshop on Web Service Choreography and Orchestration for Business Process Management (BPM 2005)*, September 2005, Nancy, France
- K. Verma, **A. Mocan**, M. Zaremba, A. Sheth, and J. A. Miller: Linking Semantic Web Service Efforts, *In Proceedings of the ICWS 2005 Second International Workshop on Semantic and Dynamic Web Processes (SDWP 2005)*. Orlando, Florida, 2005.
- Haller, E. Cimpian, **A. Mocan**, E. Oren, and C. Bussler. WSMX - A Semantic Service-Oriented Architecture, *International Conference on Web Services (ICWS 2005)*, 12-15 July, 2005, Orlando, Florida, USA
- M. Moran and **A. Mocan**. Towards Translating between XML and WSML based on mappings between XML Schema and an equivalent WSMO Ontology. *2nd WSMO Implementation Workshop (WIW 2005)*, 6-7th June, 2005, Innsbruck, Austria