

<i>Last name:</i>	Jureta	<i>Citizenships:</i>	Belgian, Serbian	<i>Telephone:</i>	+32 494 394 104
<i>First name:</i>	Ivan	<i>Languages:</i>	French, English, Serbo-Croat	<i>Primary email:</i>	<a href="mailto:ivan.jureta@fundp.ac.be">ivan.jureta@fundp.ac.be</a>
<i>Date of birth:</i>	March 26, 1981		German (beginner)	<i>Secondary email:</i>	<a href="mailto:ivan@ivanjureta.com">ivan@ivanjureta.com</a>
<i>Place of birth:</i>	Belgrade (Serbia)			<i>Web:</i>	<a href="http://www.ivanjureta.com">www.ivanjureta.com</a>
				<i>Linkedin:</i>	<a href="https://www.linkedin.com/in/ivanjureta">linkedin.com/in/ivanjureta</a>
<i>Work address:</i>	Department of Business Administration (b.423) Louvain School of Management University of Namur B-5000 Namur, Belgium	<i>Home address:</i>	Scavée du Biéreau, 5, Apt.101 B-1348 Louvain-La-Neuve Belgium		

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## OVERVIEW

I am a postdoctoral researcher with the Belgian national research fund (Fonds de la Recherche Scientifique – FNRS, Brussels) and lecturer at the Department of Business Administration (part of the Louvain School of Management), University of Namur. My principal research interest is in method engineering and method automation, focusing on the elicitation, modeling and analysis of knowledge that human experts apply in problem solving and decision making, the engineering of ontologies and processes capturing that knowledge, and the automation of the said processes. This interest falls within the various research fields concerned with the transfer, preservation and automation of knowledge. I have published over 40 research papers on these topics within the fields of requirements engineering, business analysis, and conceptual modeling of information systems. In 2008, I received the Best research paper award at the 16th IEEE International Requirements Engineering Conference, and have since 2010 been elected member of the scientific committee at the same conference series. I am the author of the monograph “Analysis and Design of Advice” (Springer, 2011). I have been applying my research through involvement with several startups and consulting at CxO level and have held lead roles in Product Design for web and digital services that today serve more than 500.000 people every day.

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## CURRENT ACADEMIC POSITION

<i>October 2008 – Now</i>	Postdoctoral fellow / Chargé de recherches FNRS Fonds de la Recherche Scientifique – FNRS (Belgian national research fund). Postdoctoral position associated to the Department of Business Administration, University of Namur (Facultés Universitaires Notre-Dame de la Paix - FUNDP)
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## EDUCATION

<i>September 2005 – January 2008</i>	PhD Economics and Management Science Thesis title: “Essays in Information Management: Contributions to the Modeling and Analysis of Quality in Information Systems Engineering” [Available at: <a href="http://jureta.net/papers/jureta-phdthesis08.pdf">http://jureta.net/papers/jureta-phdthesis08.pdf</a> ] PReCISE Research Center in Information Systems Engineering Louvain School of Management, University of Namur (FUNDP)
<i>September 2004 – June 2005</i>	CEMS Master in International Management <i>Summa cum laude</i> London School of Economics and Political Science and Université catholique de Louvain
<i>September 2000 – June 2005</i>	Maîtrise en Sciences de Gestion (MSc Management Science) <i>La plus grande distinction avec les félicitations unanimes du jury</i> <i>(Summa cum laude, 1st in class)</i> Louvain School of Management, Université catholique de Louvain

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## ACADEMIC HONORS AND AWARDS

September 2008	Best paper award at the 16 <sup>th</sup> IEEE International Conference on Requirements Engineering (RE 2008), Barcelona, Spain.
October 2008 – October 2011	Fonds de la Recherche Scientifique – FNRS Postdoctoral Fellowship.
September 2006 – September 2008	Intercollegiate Center for Management Science (CIM/ICM) Doctoral Fellowship.
September 2006	Fonds de la Recherche Scientifique – FNRS Doctoral Fellowship.

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## RESEARCH COOPERATION

May 2007 – Now	Prof. John Mylopoulos University of Trento, Italy & University of Toronto, Canada
January 2009 – Now	Prof. Alexander Borgida Rutgers University, USA
September 2010 - Now	Dr. Angelo Susi Fondazione Bruno Kessler, Trento, Italy
October 2007 – January 2008	Prof. Katia Sycara Carnegie Mellon University, USA

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## COURSES AUTHORED AND HELD

September 2009 - December 2009 and September 2011 - December 2011	<i>EIMI-B311 (2009) / ELMIM423 (2011) Decision making &amp; requirements engineering</i> Department of Business Administration, Louvain School of Management, University of Namur <i>New and original course relating topics in ontology engineering, requirements engineering and decision theory in economics, which I held to 3<sup>rd</sup> year Bachelor and 1<sup>st</sup> year Master students (Information Management).</i>
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## SCIENTIFIC EVENTS INITIATED AND CHAIRED

<i>1<sup>st</sup> International Workshop on Modeling and Reasoning for Business Intelligence (MORE-BI 2011)</i>	Full-day workshop collocated with the 30 <sup>th</sup> Int. Conf. on Conceptual Modeling (ER2011) in Brussels. 22 full paper submissions from 64 authors in 14 countries on 4 continents; 7 accepted submissions; two industry keynotes (SAP and Altran). See <a href="http://morebusinessintelligence.com/">http://morebusinessintelligence.com/</a> for further information.
<i>2<sup>nd</sup> International Workshop on Modeling and Reasoning for Business Intelligence (MORE-BI 2012)</i>	To be held in October 2012. Full-day workshop collocated with the 31 <sup>st</sup> Int. Conf. on Conceptual Modeling (ER2012) in Florence.

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## SERVICE TO THE SCIENTIFIC COMMUNITY

Member of the scientific/program committees:

- 2012 IEEE Int. Requirements Engineering Conference (RE'12)
- 2012 International Conference on Advanced Information Systems Engineering (CAiSE'12)
- 2012 International Workshop on Usability and Accessibility focused Requirements Engineering (UsARE'12)
- 2011 IEEE Int. Requirements Engineering Conference (RE'11)
- 2010 Int. Workshop on The Web and Requirements Engineering (WeRE'10 at RE'10)

Invited reviewer for:

Journal of Data Semantics (Springer), Journal of Systems and Software (Elsevier), Information and Software Technology (Elsevier), Data & Knowledge Engineering (Elsevier), Software Quality Journal (Springer), Informatica (Slovenian Society Informatica).

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## STUDENT SUPERVISION

Current PhD students co-supervised with Prof. Stéphane Faulkner:

Bertrand Verlaine	Requirements engineering methods for service-oriented systems
Joseph Gillain	Decision-making methods for feature selection
Corentin Burnay	Empirical evaluation of requirements engineering conceptualizations
Sarah Bouraga	Requirements engineering methods for Business Intelligence systems

Past MSc students

Corentin Burnay	Experiments on non-monotonic reasoning in management decision making
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Current MSc students

Myriam Lanotte	Analysis of success factors of fraud detection decision-support systems
Olivier Rausch	Modeling and analysis of incentives in models of information system requirements
Nicolas Mertens	Requirements engineering for a home energy management decision-support system

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## PEER-REVIEWED SCIENTIFIC PUBLICATIONS

DBLP list: <http://www.informatik.uni-trier.de/~Ley/db/indices/a-tree/j/Jureta:Ivan.html>

Numeric impact summary:

Citations 333; H-index 11; last update January 6, 2012; source Google Scholar.

*Books*

1. *Analysis and Design of Advice*  
**Ivan J. Jureta**  
Springer, 2011.  
The increasing reliance on advice for the coordination of people within and outside firms is one of the major trends in the practice of management, as witnessed through the rise of the consulting industry in the second half of the 20<sup>th</sup> century. It is a trend that continues at present. This monograph discusses why such increasing reliance on advice in coordination was to be expected and why an understanding of how advice is being and can be analyzed and engineered is critical for all involved in the management, economics, and politics in contemporary society. To explain how advice is and can be engineered and analyzed the monograph introduces the general theories and methods of conceptual modeling and argumentation, which I explored and contributed to in all of my peer-reviewed publications. The monograph discusses how these theories and methods relate to the standard decision theories and methods offered in management science as ways to inform and guide decision making.

*Journals*

5. A Core Ontology for Requirements  
**Ivan J. Jureta**, John Mylopoulos, Stéphane Faulkner  
Applied ontology, 4(3-4): 169-244, 2009.
4. Clear Justification of Modelling Decision for Goal-Oriented Requirements Engineering  
**Ivan J. Jureta**, Stéphane Faulkner, Pierre-Yves Schobbens  
Requirements Engineering Journal, 13(2): 87-115, 2008.
3. Continually Learning Optimal Allocations of Web Services to Tasks  
Youssef Achbany, **Ivan J. Jureta**, Stéphane Faulkner, Francois Fous  
IEEE Transactions on Services Computing, 1(3): 141-154, 2008.
2. A Comprehensive Quality Model for Service-Oriented Systems  
**Ivan J. Jureta**, Caroline Herssens, Stéphane Faulkner  
Software Quality Journal, 17(1): 65-98, 2008.
1. Multi-Agent Patterns for Deploying Online Auctions  
**Ivan J. Jureta**, Stéphane Faulkner, Manuel Kolp  
International Journal of Intelligent Information Technologies, 2(3), 2006

*International Conferences*

24. Finding incremental solutions for evolving requirements  
Neil A. Ernst, Alexander Borgida, **Ivan J. Jureta**  
IEEE Int. Conf. on Requirements Engineering (RE 2011), Trento, Italy

23. Requirements Engineering for Self-Adaptive Systems: Core Ontology and Problem Statement  
Nauman A. Qureshi, **Ivan J. Jureta**, Anna Perini  
Int. Conference on Advanced Information Systems Engineering (CAiSE 2011), London, UK
22. Towards conceptual foundations of requirements engineering for services  
Bertrand Verlaine, **Ivan J Jureta**, Stéphane Faulkner  
IEEE Int. Conference on Research Challenges in Information Science (RCIS 2011), Guadeloupe, France
21. Establishing information system compliance: An argumentation-based framework  
Giampaolo Armellin, Annamaria Chiasera, **Ivan J. Jureta**, Alberto Siena, Angelo Susi  
IEEE Int. Conference on Research Challenges in Information Science (RCIS 2011), Guadeloupe, France
20. Requirements engineering for services: an ontological framework  
Bertrand Verlaine, **Ivan J Jureta**, Stéphane Faulkner  
ACM Symposium on Applied Computing (SAC 2011), TaiChung, Taiwan
19. Techne: Towards a New Generation of Requirements Modeling Languages with Goals, Preferences, and Inconsistency Handling  
**Ivan J. Jureta**, Alex Borgida, Neil Ernst, John Mylopoulos  
IEEE Int. Conf. on Requirements Engineering (RE 2010), Sydney, Australia
18. Reasoning with Optional and Preferred Requirements  
Neil Ernst, John Mylopoulos, Alex Borgida, **Ivan J. Jureta**  
Conceptual Modeling - ER 2010, 29th Int. Conference on Conceptual Modeling, Vancouver, Canada
17. Normative Management of Web Service Level Agreements  
Caroline Herssens, Stéphane Faulkner, **Ivan J. Jureta**  
International Conference on Web Engineering (ICWE2010), Vienna, Austria
16. Analysis of Multi-Party Agreement in Requirements Validation  
**Ivan J. Jureta**, John Mylopoulos, Stéphane Faulkner  
IEEE Int. Conf. on Requirements Engineering (RE 2009), Atlanta, Georgia
15. Revisiting the Core Ontology and Problem in Requirements Engineering  
**Ivan J. Jureta**, John Mylopoulos, Stéphane Faulkner  
IEEE Int. Conf. on Requirements Engineering (RE 2008), Barcelona, Spain. **Best paper award.**
14. Context-Driven Autonomic Adaptation of SLA  
Caroline Herssens, Stéphane Faulkner, **Ivan J. Jureta**  
Service-Oriented Computing - ICSOC 2008, Sixth International Conference, Sydney, Australia
13. A Framework for QoS Driven Selection of Services  
Caroline Herssens, **Ivan J. Jureta**, Stéphane Faulkner  
IEEE International Conference on Services Computing (SCC 2008), Honolulu, Hawaii
12. Engineering Pluripotent Information Systems  
**Ivan J. Jureta**, Stéphane Faulkner, Jean Vanderdonckt  
IEEE Int. Conference on Research Challenges in Information Science (RCIS 2008), Marrakech, Morocco
11. Capturing and Using QoS Relationships to Improve Service Selection  
Caroline Herssens, **Ivan J. Jureta**, Stéphane Faulkner  
Int. Conference on Advanced Information Systems Engineering (CAiSE 2008), Montpellier, France
10. Dealing with Quality Tradeoffs during Service Selection  
Caroline Herssens, **Ivan J. Jureta**, Stéphane Faulkner  
International Conference on Autonomic Computing (ICAC 2008), Chicago, Illinois
9. Tracing the Rationale behind UML Model Change through Argumentation  
**Ivan J. Jureta**, Stéphane Faulkner  
Conceptual Modeling - ER 2007, 26th Int. Conference on Conceptual Modeling, Auckland, NZ
8. Clarifying Goal Models  
**Ivan J. Jureta**, Stéphane Faulkner  
Conceptual Modeling - ER 2007, 26th Int. Conf. on Conceptual Modeling, Auckland, New Zealand
7. Dynamic Requirements Specification for Adaptable and Open Service-Oriented Systems  
**Ivan J. Jureta**, Stéphane Faulkner, Philippe Thiran  
Service-Oriented Computing - ICSOC 2007, Fifth International Conference, Vienna, Austria

6. Dynamic Requirements Specification for Adaptable and Open Service Systems  
**Ivan J. Jureta**, Stéphane Faulkner, Philippe Thiran  
15th IEEE International Conference on Requirements Engineering (RE 2007), New Delhi, India
5. Dynamic Web Service Composition within a Service-Oriented Architecture  
**Ivan J. Jureta**, Stéphane Faulkner, Youssef Achbany, Marco Saerens  
2007 IEEE International Conference on Web Services (ICWS 2007), Salt Lake City, Utah
4. Dynamic Task Allocation Within an Open Service-Oriented MAS Architecture  
**Ivan J. Jureta**, Stéphane Faulkner, Youssef Achbany, Marco Saerens  
Int. Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS 2007), Honolulu, HI
3. A More Expressive Softgoal Conceptualization for Quality Requirements Analysis  
**Ivan J. Jureta**, Stéphane Faulkner, Pierre-Yves Schobbens  
Conceptual Modeling - ER 2006, 25th International Conference on Conceptual Modeling, Tucson, AZ
2. Justifying Goal Models  
**Ivan J. Jureta**, Stéphane Faulkner, Pierre-Yves Schobbens  
14th IEEE Int. Conference on Requirements Engineering (RE 2006), Minneapolis/St.Paul, Minnesota
1. Patterns for Agent Oriented e-Bidding Practices  
**Ivan J. Jureta**, Stéphane Faulkner, Manuel Kolp, T. Tung Do  
Knowledge-Based Intelligent Information and Engineering Systems, 9th International Conference, KES 2005, Melbourne, Australia

*Book chapters*

3. An Agent-Oriented Perspective on E-Bidding Systems  
**Ivan J. Jureta**, Manuel Kolp, Stéphane Faulkner  
Intelligent Information Technologies and Applications, IGI Global
2. An Agent-Oriented Enterprise Model for Early Requirements Engineering  
**Ivan J. Jureta**, Stéphane Faulkner, Manuel Kolp  
Handbook of Ontologies for Business Interaction, IDEA Group Publishing
1. Formalizing Agent-Oriented Enterprise Models  
**Ivan J. Jureta**, Stéphane Faulkner, Manuel Kolp  
Agent-Oriented Information Systems III (AOIS-2005 Revised Selected Papers)

*International Workshops*

7. Towards Automated Alignment of Web Services to Requirements  
Bertrand Verlaine, Yves Dubois, **Ivan J. Jureta**, Stéphane Faulkner  
International Workshop on The Web and Requirements Engineering (WeRE 2010)
6. Timing Nonfunctional Requirements  
**Ivan J. Jureta**, Stéphane Faulkner  
2<sup>nd</sup> International Workshop on Requirements, Intentions and Goals in Conceptual Modeling (RIGiM);  
Conceptual Modeling - ER 2008, 27th Int. Conference on Conceptual Modeling, Barcelona, Spain
5. Automated Requirements-Driven Definition of Norms for the Regulation of Behavior in MAS  
Martin Kollingbaum, **Ivan J. Jureta**, Wamberto Vasconcelos, Katia Sycara  
Symposium on Behaviour Regulation in Multi-Agent Systems (BRMAS 2008)
4. An Ontology for Requirements  
John Mylopoulos, **Ivan J. Jureta**, Stéphane Faulkner  
RIGiM'07 Keynote by John Mylopoulos  
Conceptual Modeling - ER 2007, 26th Int. Conference on Conceptual Modeling, Auckland, NZ
3. Achieving, Satisficing, and Excelling  
**Ivan J. Jureta**, Stéphane Faulkner, Pierre-Yves Schobbens  
First International Workshop on Requirements, Intentions and Goals in Conceptual Modeling (RIGiM)  
Conceptual Modeling - ER 2007, 26th Int. Conference on Conceptual Modeling, Auckland, NZ
2. Allocating Goals to Agent Roles During MAS Requirements Engineering  
**Ivan J. Jureta**, Stéphane Faulkner, Pierre-Yves Schobbens  
Agent-Oriented Software Engineering VII, 7th International Workshop, AOSE 2006, Hakodate, Japan
1. An Agent-Oriented Meta-model for Enterprise Modelling  
**Ivan J. Jureta**, Stéphane Faulkner  
Seventh International Bi-conference Workshop on Agent-Oriented Information Systems (AOIS-2005)  
Conceptual Modeling - ER 2005, 24th Int. Conference on Conceptual Modeling, Klagenfurt, Austria

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## PRESENTATIONS HELD AT INTERNATIONAL CONFERENCES AND INTERNATIONAL WORKSHOPS

*Techne: Towards a New Generation of Requirements Modeling Languages with Goals, Preferences, and Inconsistency Handling*  
IEEE International Conference on Requirements Engineering (RE 2010), Sydney, Australia

*Revisiting the Core Ontology and Problem in Requirements Engineering*  
IEEE International Conference on Requirements Engineering (RE 2008), Barcelona, Spain

*Capturing and Using QoS Relationships to Improve Service Selection*  
Int. Conference on Advanced Information Systems Engineering (CAiSE 2008), Montpellier, France

*Tracing the Rationale behind UML Model Change through Argumentation*  
Conceptual Modeling - ER 2007, 26th Int. Conference on Conceptual Modeling, Auckland, New Zealand

*Clarifying Goal Models*  
Conceptual Modeling - ER 2007, 26th Int. Conference on Conceptual Modeling, Auckland, New Zealand

*A More Expressive Softgoal Conceptualization for Quality Requirements Analysis*  
Conceptual Modeling - ER 2006, 25th International Conference on Conceptual Modeling, Tucson, Arizona

*Justifying Goal Models*  
14th IEEE Int. Conference on Requirements Engineering (RE 2006), Minneapolis/St.Paul, Minnesota

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## SEMINARS HELD

*December 2011*                      *Guidelines for the design of formalisms for early-stage Requirements Eng. and Business Analysis*  
Institut d'informatique, University of Namur

*September 2011*                      *Introduction to the Techne family of formalisms*  
European Research Council meeting "Future of software evolution", Venezia, Italy

*March 2011*                              *Structure of requirements engineering frameworks*  
Dipartimento di Ingegneria e Scienza dell'Informazione, University of Trento

*November 2010*                      *Techne: Towards a New Generation of Requirements Modeling Languages with Goals, Preferences, and Inconsistency Handling*  
Department of Computer Science, University of Toronto

*November 2010*                      *Techne: Towards a New Generation of Requirements Modeling Languages with Goals, Preferences, and Inconsistency Handling*  
School of Information Technology, York University

*March 2010*                              *From Decision Analysis to Techne, and Back*  
Institut d'informatique, University of Namur

*December 2009*                      *From Decision Theory to Techne, and Back*  
Dipartimento di Ingegneria e Scienza dell'Informazione, University of Trento

*November 2008*                      *Revisiting the Core Ontology, Problem, and Resolution Framework in Requirements Engineering*  
Department of Computer Science, University of Toronto

*October 2007*                              *Quality Management on the Semantic Web*  
The Robotics Institute, Carnegie Mellon University

*May 2007*                                  *A Comprehensive Approach to the Specification and Analysis of Nonfunctional (Quality) Characteristics and their Relationships*  
Dipartimento di Ingegneria e Scienza dell'Informazione, University of Trento

*February 2007*                              *Continually Learning Optimal Service Compositions*  
Institut de Recherches Interdisciplinaires et de Développements en Intelligence Artificielle (IRIDIA), Université Libre de Bruxelles

April 2006

*Argumentation, Justification, and Clarification in Quality Requirements Analysis*  
Institut d'Administration et de Gestion (IAG), Université de Louvain

September 2005

*An Organizational Perspective on Goal-Oriented Information Systems Engineering*  
Faculté des Sciences Appliquées / Ecole Polytechnique, Université Libre de Bruxelles

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## **ACADEMIC REFERENCES**

Prof. John Mylopoulos (jm@cs.toronto.edu)

Dipartimento Ingegneria e Scienza dell'Informazione, University of Trento  
Department of Computer Science, University of Toronto

Prof. Alexander Borgida (borgida@cs.rutgers.edu)

Department of Computer Science, Rutgers University

Prof. Stéphane Faulkner (stephane.faulkner@fundp.ac.be)

Department of Business Administration, University of Namur

Prof. Marco Saerens (marco.saerens@uclouvain.be)

Information Systems Research Unit, Louvain School of Management, University of Louvain

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## **UNIVERSITY SPIN-OFF FUNDING RECEIVED**

229.000 EUR for ADMA Services (together with Prof. Stéphane Faulkner)

ADMA Services is a Walloon Region FIRST Spin-off project that aims to help companies improve products and how they make these products. The project aims to help companies develop new and optimize existing products and processes through the engineering of advice algorithms. An advice algorithm automates decision-making methods of human experts in order to automatically give advice to its users. Advice algorithms help companies to offer access to expert knowledge to their customers so as to improve customer experience, and/or distribute expert knowledge to their employees at otherwise impossible ease, cost efficiency, and scale.

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## **CONSULTING AWARDS AND NOTABLE MENTIONS**

- I. Vartanian. "Now Loading...Aesthetic of Web Design". Gingko Press/DesignXchange Japan, 2001.
  - For B92.net, Best information-centered website - NIS Petrol Webfest (2007)
  - For B92.net, Best Website in the Region - IT Globus, from PC World Magazine (2005)
  - For B92.net, Best information-focused website - PC Press Magazine (2005)
  - For B92.net, Best in category: New Media, UEPS Award (2005) (regional association of advertising agencies.)
  - For B92.net, Best in category: New Media, SPRA Award (2005) (Awarded by a regional association of PR professionals.)
  - For B92.net, Best IT Product in the Region, PC World Magazine (2003)
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## **SECTOR CONSULTING EXPERIENCE**

Sports, News & media, Ecommerce, NGO, Government.

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## **CONSULTING REFERENCES**

Available on request.

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## **OTHER**

TOEFL score: 118/120 (in 2007).