

<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>	ivan.jureta@fundp.ac.be
<i>Date of birth:</i>	March 26, 1981		German (beginner)	<i>Secondary email:</i>	ivan@jureta.net
<i>Place of birth:</i>	Belgrade (Serbia)			<i>Web:</i>	www.jureta.net
<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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## CURRENT POSITION

*October 2008 – Now* Postdoctoral fellow / Chargé de recherche FNRS  
Fonds de la Recherche Scientifique – FNRS (Belgian national research fund).

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## RESEARCH AIMS/INTERESTS

The principal aim is to construct, refine, and empirically test novel conceptualizations, mathematical models, and methodologies for decision making in design/engineering decision settings characterized by unavailable/incomplete quantitative estimates of probability and/or utility and the availability of variously imprecise, vague, incomplete, conflicting, and unstable/changing qualitative decision information and advice from potentially non-expert stakeholders. The second aim is to generalize relevant results to non-design/non-engineering decision settings having the said characteristics. The third aim is to form an interdisciplinary research group focused on this topic at the Louvain School of Management. The final aim is to introduce relevant results into curricula of undergraduate and graduate students at the Louvain School of Management, and potentially other faculties, such as computer science (in relation to software engineering) and/or medicine (in relation to diagnostic procedures).

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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
<i>September 2004 – June 2005</i>	CEMS Master in International Management <i>Summa cum laude (no ranking was available)</i> London School of Economics and Political Science & Université 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 (Summa cum laude, 1st in class)</i> Louvain School of Management Université de Louvain (UCL)

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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.

**RESEARCH COOPERATION**

- May 2007, May 2008, November 2008,  
January 2009, December 2009      Research in cooperation with Prof. John Mylopoulos  
University of Trento, Italy & University of Toronto, Canada
- October 2007      Research in cooperation with Prof. Katia Sycara  
Carnegie Mellon University, USA

**LECTURES BOTH AUTHORED AND HELD**

- September 2009-December 2009      *EIMI-B311 Decision making & requirements engineering*  
Department of Business Administration, Louvain School of Management,  
University of Namur  
*New and original lecture, which I held to 3<sup>rd</sup> year bachelor and 1<sup>st</sup> year master students  
(Information Management) at the Dept. of Business Administration. The lecture follows  
my monograph on the analysis and engineering of advice.*

**MONOGRAPHS**

*Analysis and Design of Advice*

**Ivan J. Jureta**

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 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. Part of the monograph served as the main text for students of the EIMI-B311 lecture (see above).

**SELECTED PEER-REVIEWED SCIENTIFIC PUBLICATIONS**

- Journals*
5. A Core Ontology for Requirements  
**Ivan J. Jureta**, John Mylopoulos, Stephane Faulkner  
Accepted for publication in: Applied Ontology.
  4. Clear Justification of Modelling Decision for Goal-Oriented Requirements Engineering  
**Ivan J. Jureta**, Stephane Faulkner, Pierre-Yves Schobbens  
Requirements Engineering Journal, 13(2), 2008.
  3. Continually Learning Optimal Allocations of Web Services to Tasks  
Youssef Achbany, **Ivan J. Jureta**, Stephane Faulkner, Francois Fous  
IEEE Transactions on Services Computing, 1(3), 2008.
  2. A Comprehensive Quality Model for Service-Oriented Systems  
**Ivan J. Jureta**, Caroline Herssens, Stephane Faulkner  
Software Quality Journal, 17(1), 2008.
  1. Multi-Agent Patterns for Deploying Online Auctions  
**Ivan J. Jureta**, Stephane Faulkner, Manuel Kolp  
International Journal of Intelligent Information Technologies, 2(3), 2006
- International Conferences*
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**  
International Conference on Web Engineering (ICWE 2010), Vienna, Austria
17. Normative Management of Web Service Level Agreements  
Caroline Herssens, Stephane 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, Stephane 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, Stephane Faulkner  
IEEE Int. Conf. on Requirements Engineering (RE 2008), Barcelona, Spain. **Best paper award.**
14. Context-Driven Autonomic Adaptation of SLA  
Caroline Herssens, Stephane 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**, Stephane Faulkner  
IEEE International Conference on Services Computing (SCC 2008), Honolulu, Hawaii
12. Engineering Pluripotent Information Systems  
**Ivan J. Jureta**, Stephane 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**, Stephane 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**, Stephane Faulkner  
International Conference on Autonomic Computing (ICAC 2008), Chicago, Illinois
9. Tracing the Rationale behind UML Model Change through Argumentation  
**Ivan J. Jureta**, Stephane Faulkner  
Conceptual Modeling - ER 2007, 26th Int. Conference on Conceptual Modeling, Auckland, NZ
8. Clarifying Goal Models  
**Ivan J. Jureta**, Stephane 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**, Stephane 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**, Stephane 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**, Stephane 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**, Stephane Faulkner, Youssef Achbany, Marco Saerens  
Int. Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS 2007), Honolulu, Hawaii
3. A More Expressive Softgoal Conceptualization for Quality Requirements Analysis  
**Ivan J. Jureta**, Stephane Faulkner, Pierre-Yves Schobbens  
Conceptual Modeling - ER 2006, 25th International Conference on Conceptual Modeling, Tucson, Arizona
2. Justifying Goal Models  
**Ivan J. Jureta**, Stephane 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**, Stephane 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, Stephane Faulkner  
Intelligent Information Technologies and Applications, IGI Global
  2. An Agent-Oriented Enterprise Model for Early Requirements Engineering  
**Ivan J. Jureta**, Stephane Faulkner, Manuel Kolp  
Handbook of Ontologies for Business Interaction, IDEA Group Publishing
  1. Formalizing Agent-Oriented Enterprise Models  
**Ivan J. Jureta**, Stephane Faulkner, Manuel Kolp  
Agent-Oriented Information Systems III (AOIS-2005 Revised Selected Papers)
- International Workshops*
6. Timing Nonfunctional Requirements  
**Ivan J. Jureta**, Stephane 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 Multi-Agent Systems  
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**, Stephane 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**, Stephane 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**, Stephane 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**, Stephane 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

### *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 AT UNIVERSITIES

March 2010	<i>From Decision Analysis to Techne, and Back</i> Institut d'informatique University of Namur
December 2009	<i>From Decision Theory to Techne, and Back</i> Dipartimento di Ingegneria e Scienza dell'Informazione University of Trento
November 2008	<i>Revisiting the Core Ontology, Problem, and Resolution Framework in Requirements Engineering</i> Department of Computer Science University of Toronto
October 2007	<i>Quality Management on the Semantic Web</i> The Robotics Institute Carnegie Mellon University
May 2007	<i>A Comprehensive Approach to the Specification and Analysis of Nonfunctional (Quality) Characteristics and their Relationships</i> Dipartimento di Ingegneria e Scienza dell'Informazione University of Trento
February 2007	<i>Continually Learning Optimal Service Compositions</i> Institut de Recherches Interdisciplinaires et de Développements en Intelligence Artificielle (IRIDIA) Université Libre de Bruxelles
April 2006	<i>Argumentation, Justification, and Clarification in Quality Requirements Analysis</i> Institut d'Administration et de Gestion (IAG) Université de Louvain
September 2005	<i>An Organizational Perspective on Goal-Oriented Information Systems Engineering</i> Faculté des Sciences Appliquées / Ecole Polytechnique Université Libre de Bruxelles

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## ACADEMIC REFERENCES

Prof. John Mylopoulos (jm@cs.toronto.edu)  
Department of Computer Science, University of Toronto

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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## CONSULTING

I advise small and medium-sized firms on e-business strategies, mainly in the Balkans. About 500.000 people use daily the websites/web applications that I have helped conceptually and visually design (source: Google Analytics, March 2010). These include B92.net, which was consistently and since the second half of the 1990s the most visited news portal in South-East Europe, recognized for its role in promoting human rights and democratic principles. Another notable project is B92.fm, the online radio arm of the B92organization. When we launched it in 2007, B92.fm offered then unprecedented openness of access to music from major record labels online and was on par in terms of content and functionality with major international competitors, yet was engineered and developed for a fraction of the cost.

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## **CONSULTING AWARDS AND NOTABLE MENTIONS**

- NetDiver Food for Imagination Award for jureta.com (2002)
- I. Vartanian. "Now Loading...Aesthetic of Web Design". Gingko Press/DesignXchange Japan, 2001.

For creative direction, as part of the B92 web team (b92.net)

- Best information-centered website - NIS Petrol Webfest (2007)
- Best Website in the Region - IT Globus, from PC World Magazine (2005)
- Best information-focused website, PC Press Magazine (2005)
- Best in category: New Media, UEPS Award (2005) (Awarded by a regional association of advertising agencies.)
- Best in category: New Media, SPRA Award (2005) (Awarded by a regional association of public relations professionals and agencies.)
- Best IT Product in the Region, PC World Magazine (2003)

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## **SECTOR EXPERIENCE**

News & media, Ecommerce, NGO, Government.

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## **CONSULTING REFERENCES**

Available on request.

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## **OTHER**

TOEFL score: 118/120