

Curriculum Vitæ

Name: Maria Vanina Martinez
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A. Studies:

1. **Ph.D. Student in Computer Science, University of Maryland College Park.**
 - **Supervisor:** Dr. V.S. Subrahmanian
 - **Area of Interest:** Artificial Intelligence
 - i. Inconsistency Management
 - ii. Reasoning under Uncertainty
 - iii. Knowledge Representation and Reasoning
 - iv. Cultural Modeling
 - v. Defeasible Reasoning
 - **Expected Date of Graduation:** Summer 2011
 - **Graduate Cumulative GPA:** 3.888
2. **Master of Science in Computer Science, University of Maryland College Park, December 2008.**
3. **“Licenciada” in Computer Science, year 2005.**

GPA: 9.50 / 10.00 points - GPA (4.0 scale): 3.8
Thesis title: Communication among BDI Agents: A Proposal for bearing Argumentation-based Negotiation (in Spanish, Grade: 10/10) Department of Computer Science and Engineering Universidad Nacional del Sur, Bahía Blanca, Argentina.
The Licenciatura is a five year program comprising 25 courses (all Computer Science and Mathematics, two are elective), an English sufficiency exam, and a thesis.

B. Peer-reviewed Publications

1. Maria Vanina Martinez, Cristian Molinaro, V.S. Subrahmanian, and Leila Amgoud: “A General Framework for Reasoning about Inconsistency”, *Artificial Intelligence Journal*, *under review*.
2. Gerardo I. Simari, Maria Vanina Martinez, Amy L. Sliva, and V.S. Subrahmanian: “Focused Most Probable World Computations in Probabilistic Logic Programs”, *Annals of Mathematics and Artificial Intelligence*, *under review*.
3. Maria Vanina Martinez and Anthony Hunter: “Incorporating classical logic argumentation into policy-based inconsistency management in relational databases”, *The Uses of Computational Argumentation*, AAAI Fall Symposium 2009.
4. Amy L. Sliva, V.S. Subrahmanian, Maria Vanina Martinez, and Gerardo I. Simari: “CAPE: Automatically Predicting Changes in Group Behavior”, in *Mathematical Methods in Counterterrorism*, N. Memon, J. D. Farley, D. L. Hicks, and T. Rosenorn, Eds. Springer-Verlag, 2009, pp. 247—263.

5. Avigdor Gal, Maria Vanina Martinez, Gerardo I. Simari, and V.S. Subrahmanian: "Aggregate Query Answering under Uncertain Schema Matching." In Proceedings of the 25th International Conference on Data Engineering (ICDE 2009), Shanghai, China, March 2009.
6. Gerardo I. Simari, Maria Vanina Martinez, Amy Sliva, and V.S. Subrahmanian: "Scaling Most Probable World Computation in Probabilistic Logic Programs." In Proceedings of the 2nd International Conference on Scalable Uncertainty Management (SUM 2008), pp. 372-385, Lecture Notes in Artificial Intelligence, vol. 5291, Springer Berlin/Heidelberg.
7. John Dickerson, Maria Vanina Martinez, Diego Reforgiato, and V.S. Subrahmanian: "CIG: Cultural Islands and Games." In Proceedings of 2nd International Conference on Computational Cultural Dynamics, College Park, USA, September 2008.
8. Maria Vanina Martinez, Francesco Parisi, Andrea Pugliese, Gerardo I. Simari and V.S. Subrahmanian: "Inconsistency Management Policies." In Proc. 11th Int. Conference on Principles of Knowledge Representation and Reasoning, Sydney Australia, September 2008.
9. Vanina Martinez, Gerardo I. Simari, Amy Sliva, and V.S. Subrahmanian: "CONVEX: Similarity-based Algorithms for Forecasting Group Behavior." IEEE Intelligent Systems, vol. 23, no. 4, pp. 51-57, Jul/Aug 2008.
10. V. Martinez, G. Simari, A. Sliva and V.S. Subrahmanian: "The SOMA Terror Organization Portal (STOP): Social Network and Analytic Tools for the Real-Time Analysis of Terror Groups." In Proc. 2008 First Intl. Workshop on Social Computing, Behavioral Modeling and Prediction, Phoenix. April 1-2, 2008.
11. V.S. Subrahmanian, V. Martinez and D. Reforgiato: "Multimedia Presentation Databases.", In Encyclopedia of Temporal Databases (eds. T. Ozsu and L. Liu), Springer Verlag.
12. Samir Khuller, Maria Vanina Martinez, Dana Nau, Gerardo Simari, Amy Sliva, and V.S. Subrahmanian: "Computing Most probable Worlds of Action Probabilistic Logic Programs: Scalable Estimation for $10^{30,000}$ worlds." Annals of Mathematics and Artificial Intelligence, vol. 51, no. 2-4, pp. 295-331, December 2007.
13. Maria Vanina Martinez, Andrea Pugliese, Gerardo Simari, V.S. Subrahmanian, and Henri Prade: "How Dirty is Your Relational Database? An Axiomatic Approach." Ninth European Conference on Symbolic and Quantitative Approaches to Reasoning under Uncertainty (ECSQARU 2007), pp.103 - 114. October – November, 2007. Lecture Notes in Artificial Intelligence, vol. 4724, Springer Berlin / Heidelberg, ISBN: 978-3-540-75255-4.
14. Samir Khuller, Maria Vanina Martinez, Dana Nau, Gerardo Simari, Amy Sliva, and V.S. Subrahmanian: "Finding Most Probable Worlds of Probabilistic Logic Programs." International Conference on Scalable Uncertainty Management (SUM 2007), pp. 45-59, October 2007. Lecture Notes in Artificial Intelligence, vol. 4772, Springer Berlin / Heidelberg, ISBN: 978-3-540-75407-7.
15. Amy Sliva, Maria Vanina Martinez, Gerardo I. Simari, & V.S. Subrahmanian: "SOMA Models of the Behaviors of Stakeholders in the Afghan Drug Economy: A Preliminary Report", First International Conference on Computational Cultural Modeling (ICCCD 2007), pp. 78-86 August 27- 28, 2007. AAAI Press, ISBN: 978-1-57735-342-3.
16. V.S. Subrahmanian, Massimiliano Albanese, Maria Vanina Martinez, Dana Nau, Diego Reforgiato, Gerardo I. Simari, Amy Sliva, Octavian Udrea, Jonathan Wilkenfeld: "*CARA: A Cultural-Reasoning Architecture*," IEEE Intelligent Systems, vol. 22, no. 2, pp. 12-16, Mar/Apr, 2007.
17. Sonia V. Rueda, Maria Vanina Martinez: "*A Framework for Deliberation and Negotiation among BDI Agents*". Journal of Computer Science and Technology, vol.5 , No. 4, December 2005, pp 34-341.

C. Research Positions:

1. Graduate Research Assistant in the University of Maryland Institute for Advanced Computer Studies (UMIACS) under the supervision of Dr. V. S. Subrahmanian (August 2006-present).

2. Member of the Laboratory for Computational Cultural Dynamics (LCCD) in the University of Maryland Institute for Advanced Computer Studies (UMIACS). August 2005 – Present.
3. Member of the Artificial Intelligence Research and Development Laboratory (LIDIA) in the Department of Computer Science and Engineering, Universidad Nacional del Sur (Bahia Blanca, Argentina). August 2002 – August 2005.

D. Teaching Positions

1. Teaching Assistant in the Problem Analysis and Comprehension preparation course for freshmen. Department of Computer Science and Engineering, Universidad Nacional del Sur (2003, 2004, and 2005).
2. Undergraduate Teaching Assistant in the following courses:
 - Problem Solving and Algorithms (from 2001 to 2002)
 - Elements of Programming (2002)
 - Fundamentals of Computer Science (2003)
 - Logic for Computer Science (from 2004 to 2005)
 - Database Theory and Design (2004)
 - Programming Languages (2005)
3. Teacher at “Escuela de la Ciudad” elementary school for the third grade computer lab (from 2004 to 2005).

E. Scholarships

1. Gannon Summer GRA Award for first year Ph.D. students pursuing a research project, granted by the Department of Computer Science, University of Maryland College Park, for Summer 2007. Project Proposal: “*Tractable Methods for Predicting an Opponent’s Most Probable Actions.*”
2. Block Fellowship in recognition of academic excellence and contributions to the field of Computer Science, awarded by the Department of Computer Science, University of Maryland College Park, for the 2006-2007 and 2007-2008 academic years.
3. Full tuition remission for the Ph.D. in computer Science Program in the Department of Computer Science at the University of Maryland College Park, awarded by this institution beginning Fall 2006.
4. Initial research scholarship, awarded by the “Universidad Nacional del Sur” university, for the year 2005.

F. Graduate Courses

1. **Creativity Support Tools** – Given by Dr. Vibha Sazawal, in the Department of Computer Science, University of Maryland College Park, Spring 2008. Grade: A.
2. **Sentiment Analysis** – Given by Dr. V.S. Subrahmanian, in the Department of Computer Science, University of Maryland College Park, Spring 2008. Grade: A+.
3. **Complexity Theory** – Given by Dr. William Gasarch, in the Department of Computer Science, University of Maryland College Park, Fall 2007. Grade: A.
4. **Empirical Research Methods for Computer Science** – Given by Dr. Adam Porter, in the Department of Computer Science, University of Maryland College Park, Fall 2007. Grade: A.
5. **Computational Geometry** – Given by Dr. David Mount, in the Department of Computer Science, University of Maryland College Park, Spring 2007. Grade: A.
6. **Advanced Topics in Information Processing: Probabilistic Reasoning in Artificial Intelligence and Databases** – Given by Dr. VS Subrahmanian, in the Department of Computer Science, University of Maryland College Park, Spring 2007. Grade: A+.

7. **Artificial Intelligence Planning** – Given by Dr. Dana Nau, in the Department of Computer Science, University of Maryland College Park, Spring 2007. Grade: B.
8. **Advanced Topics in Information Processing: Cognitive Science and Artificial Intelligence** – Given by Dr. Donald Perlis, in the Department of Computer Science, University of Maryland College Park, Fall 2006. Grade: A.
9. **Advanced Topics in Information Processing: Sensors and Mobile Data Tracking** – Given by Dr. Nick Roussopoulos, in the Department of Computer Science, University of Maryland College Park, Fall 2006. Grade: A-.
10. **Advanced Topics in Programming Languages: How to do Research** – Given by Dr. Clyde Kruskal, in the Department of Computer Science, University of Maryland College Park, Fall 2006. Grade: Approved.
11. **Advanced Topics in Multi-agent Systems and Applications** – Given by Dr. Alejandro J. García, in the Department of Computer Science and Engineering of the “Universidad Nacional del Sur” university, year 2005. Grade: 10/10.
12. **Foundations of Argumentative Systems** – Given by Dr. Guillermo R. Simari, in the Department of Computer Science and Engineering of the “Universidad Nacional del Sur” university, year 2005. Grade: 10/10.
13. **Meta-Level Aspects of Argumentation** – Given by Dr. Anthony Hunter, in the Department of Computer Science and Engineering of the “Universidad Nacional del Sur” university, year 2005. Grade: 10/10.
14. **Development of Internet Applications** – Given by Dr. Alejandro Zunino, in the Department of Computer Science and Engineering of the “Universidad Nacional del Sur” university, year 2005. Grade: 10/10.

G. Other Courses

1. Attendance to the seminar “Secure Communications in the Internet” – given by Lic. Javier Echaiz, on July 6th 2004, “Universidad Tecnológica Nacional Facultad Regional Bahía Blanca” university.
2. Attendance to a LaTeX seminar – given by Dr. Marcelo Falappa, (duration: 10 hours) organized by the Student Center of Computer Science, “Universidad Nacional del Sur” university, during November 2002.
3. Attendance to the course “Introduction to Generic Functional Programming” given by Dr. Alberto Pardo (duration: 15 hours), during the 16th School of Information Sciences, organized by the Department of Computer Science of the Faculty of Exact and Natural Sciences of the “Universidad de Buenos Aires” university, between July 22 and 27, 2002.
4. Attendance to the course “Analysis of the Complexity of Algorithms” given by Dr. Alfredo Viola (duration: 15 hours), during the 16th School of Information Sciences, organized by the Department of Computer Science of the Faculty of Exact and Natural Sciences of the “Universidad de Buenos Aires” university, between July 22 and 27, 2002.
5. Attendance to the seminar “Security in Networks and Internet”, given between July 1 and 10, 2002 (duration: 12 hours), organized by the Student Branch of the IEEE, Department of Electric Engineering, Universidad Nacional del Sur.
6. Attendance to the seminar “Collision Detections in Virtual Environments” – given between September 26 and 29, 2001 (duration: 11 hours), organized by the Student Branch of the IEEE, Department of Electric Engineering, Universidad Nacional del Sur, university.
7. Attendance to the seminar “MSDN OnSite: Actualization Seminar of Microsoft Technology in .NET Architecture”, given on December 12th, Department of Engineering and Computer Science, Universidad Nacional del Sur, university.

H. Other Peer-reviewed Publications in Local Conferences and Workshops

1. Sonia V. Rueda, Maria Vanina Martinez: “Interaction among BDI Argumentative Agents: A Dialogue Games approach.” Proceedings of the IX Argentine Conference on Computer Science (CACIC 2005), pp. 955-966. Concordia, Entre Rios, Argentina.

2. Sonia V. Rueda and Maria Vanina Martinez: "*An Interaction Language for Argumentation-based Negotiation*", Proceedings of the VII Workshop of Researchers in Computer Science (WICC 2005), pages 499-503. Universidad de Río Cuarto, Córdoba, Argentina.
3. Sonia V. Rueda, Maria Vanina Martinez and Guillermo R. Simari: "*Specifying Agent Interaction Protocols*". Proceedings of the VII Workshop of Researchers in Computer Science (WICC 2005), pages 489-493. Universidad Nacional de Río Cuarto, Córdoba, Argentina.

I. Other Relevant Information

1. Participated in the Doctoral Consortium held in conjunction with the 11th International Conference on Principles of Knowledge Representation and Reasoning (KR 2008), Sydney, Australia, September 16-19, 2008.
Mentor: Dr. Anthony Hunter (University College London, London, UK).
2. Served as a member of the Program Committee for the Third International Conference on Computational Cultural Dynamics (ICCCD 2009).
3. Member of the Editorial Board of "Handbook of Research on Culturally-Aware Information Technology: Models and Perspectives" editor Dr. Emmanuel G. Blanchard, Mc Gill University, and Dr. Daniele Allard, Dalhousie University, publisher IGI Global (To appear end 2009).
4. Served as a member of the Program Committee for the 11th Ibero-American Conference on AI (IBERAMIA 2008), Lisbon, Portugal.
5. Languages:
 - a. Spanish: Native Language.
 - b. English:
 - i. TOEFL (Score: 108/120) - November 4, 2005.
 - ii. 6th. Seniors Level completed at "Asociación Bahiense de Cultura Inglesa", year 1998.
 - c. Modern Greek, Level I. Professor Mario Ritacco, Department of Humanities, Universidad Nacional del Sur. Attendance.
 - d. German: First Level completed (Grade: 8/10) at "Sociedad Alemana Bahía Blanca", year 2001.

College Park, Maryland, USA, November 2009