

# Luis Tari

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## EDUCATION

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*Arizona State University (ASU), Tempe, Arizona*

**Ph.D. in Computer Science**

**Expected: May 2009**

Dissertation title: "A framework for the integration of information retrieval and natural language processing with application in the genomics domain"

*Arizona State University (ASU), Tempe, Arizona*

**M.S. in Computer Science**

**2003**

Thesis title: "Learning AnsProlog Rules"

*The University of Texas at El Paso (UTEP), El Paso, Texas*

**B.S. in Computer Science, Cum Laude**

**2001**

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## PUBLICATIONS

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### Refereed Articles

Luis Tari, Jörg Hakenberg, Graciela Gonzalez, Chitta Baral. *Querying Parse Tree Database of Medline Text to Synthesize User-specific Biomolecular networks*. Pacific Symp. on Biocomputing (PSB'09), 2009 (accepted).

Luis Tari, Chitta Baral, Seungchan Kim. *Fuzzy c-means clustering with prior biological knowledge*, Journal of Biomedical Informatics, 2008 (in press).

Graciela Gonzalez, Luis Tari, Anthony Gitter, Robert Leaman, Shawn Nikkila, Ryan Wendt, Amanda Zeigler, Chitta Baral. *Integrating knowledge extracted from biomedical literature: normalization and evidence statements for interactions*, Proceedings of the Second BioCreative Challenge Evaluation Workshop, 2007.

Graciela Gonzalez, Juan C. Uribe, Luis Tari, Colleen Brophy, Chitta Baral. *Mining Gene-Disease Relationships from Biomedical Literature: Weighting Protein-Protein Interactions and Connectivity*, Pacific Symp. on Biocomputing (PSB'07), 12:28-39, 2007.

Chitta Baral, Luis Tari. *Using AnsProlog with Link Grammar and WordNet for QA with deep reasoning*, Proceedings of the 9th International Conference in Information Technology (ICIT 2006): 125-128, 2006.

Seungchan Kim, Younghee Tak, Luis Tari. *Mining Gene Expression Profiles with Biological Prior Knowledge*, Life Science Systems and Applications Workshop, IEEE/NLM. 2006.

Luis Tari, Chitta Baral, Saadat Anwar. *A Language for Modular Answer Set Programming: Application to ACC Tournament Scheduling*. Answer Set Programming Workshop, 2005.

Chitta Baral, Hasan Davulcu, Mutsumi Nakamura, Prabhdeep Singh, Luis Tari, Lian Yu. *Collaborative Curation of Data from Bio-medical Texts and Abstracts and Its integration*, Data Integration in Life Sciences (DILS 2005): 309-312.

Luis Tari, Chitta Baral, Partha Dasgupta. *Understanding the Global Properties of Functionally-Related Gene Networks Using the Gene Ontology*, Pacific Symposium on Biocomputing (PSB'05), 2005.

Alberto Bertoni, Giuliano Grossi, Alessandro Provetti, Vladik Kreinovich, Luis Tari. *The Prospect for Answer Sets Computation by a Genetic Model*, Assoc. for the Advancement of Artificial Intelligence (AAAI) Workshop on Answer Set Programming, 2001.

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### Other Articles

- Luis Tari, Phan Huy Tu, Barry Lumpkin, Robert Leaman, Graciela Gonzalez and Chitta Baral. *Passage relevancy through semantic similarity*, Proceedings of the 2007 Text Retrieval Conference (TREC) Genomics track, NIST, 2007.
- Chitta Baral, Juraj Dzifcak and Luis Tari. *Towards overcoming the knowledge acquisition bottleneck in Answer Set Prolog applications: embracing natural language inputs*, Invited paper, Proceedings of International Conference on Logic Programming, 2007.
- Luis Tari, Graciela Gonzalez, Robert Leaman, Shawn Nikkila, Ryan Wendt, Chitta Baral. *ASU at TREC 2006 Genomics Track*, Proceedings of the 2006 Text Retrieval Conference (TREC) Genomics track, NIST, 2006.
- Lian Yu, Syed Toufeeq Ahmed, Graciela Gonzalez, Brandon Logsdon, Mutsumi Nakamura, Shawn Nikkila, Kalpesh Shah, Luis Tari, Ryan Wendt, Amanda Zeigler and Chitta Baral. *Genomic information retrieval through selective extraction and tagging by the ASU-BioAI Group*, Proc. of the Text Retrieval Conference (TREC) Genomics track, NIST, 2005.
- Jim Estipona, Luis Tari, Xin Zhang. *Sporadic breast cancer gene expression signature*. WNAR Student Paper, 2004.

### Work in progress (under review)

- Luis Tari, Phan Huy Tu, Jörg Hakenberg, Yi Chen, Tran Cao Son, Graciela Gonzalez, Chitta Baral. *Information extraction as database problem*. Submitted to Conference on Innovative Data Systems Research (CIDR'09).
- Jörg Hakenberg, Luis Tari, Graciela Gonzalez, Ulf Leser, Chitta Baral. *YAPPIE — Learning information extraction patterns from unlabeled data*. Submitted to Oxford Bioinformatics journal.

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### PRESENTATIONS

<i>Oral Presentation</i> , PSB'09	<b>Jan 2009</b>
<i>Guest Lecture</i> , Dr. Jörg Hakenberg's class on Natural Language Processing with Biomedical and Archaeological Applications	<b>Sep 2008</b>
<i>Oral Presentation</i> , TREC 2006 Genomics Track	<b>Oct 2006</b>
<i>Guest Lecture</i> , Dr. Graciela Gonzalez's class on Biomedical Informatics	<b>Feb 2007</b>
<i>Guest Lecture</i> , Dr. Seungchan Kim's class on Algorithms of System Biology	<b>Sep 2006</b>
<i>Guest Lecture</i> , Dr. Chitta Baral's class on Applications of Artificial Intelligence in Molecular Biology	<b>Apr 2006</b>
<i>Oral Presentation</i> , PSB'05	<b>Jan 2005</b>

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### RESEARCH EXPERIENCES

<i>Research Associate</i> , ASU, Tempe, Arizona Advisor: Dr. Chitta Baral	<b>2002 -</b>
<i>Mentor</i> , Fulton Undergraduate Research Initiative (FURI), ASU Supervise and provide guidance to an undergraduate in a research project	<b>2006 -</b>
<i>Graduate Research Intern</i> , Translational Genomics Research Institute (TGen), Phoenix, Arizona	<b>2003 - 2004</b>
<i>Undergraduate Research Assistant</i> , Model Intuitions for Excellence Program, UTEP, El Paso, Texas	<b>2000-2001</b>

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## RESEARCH INTERESTS

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Question and Answering, Information Retrieval, Information Extraction, Natural Language Processing, Bioinformatics, Machine Learning, Data Mining

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## TEACHING EXPERIENCES

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<i>Teaching Assistant</i> , ASU	<b>2006, 2008</b>
CSE 230: Computer Organization and Assembly language (Spring 08) Meet students during office hours; perform grading	
CSE 100: Introduction to C++ (Fall 06) Taught in lab sessions; met students during office hours; grading	

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## SERVICES

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<i>Chair</i> , IEEE Computer Society Student Chapter, ASU	<b>2007 – 2008</b>
<i>Secretary</i> , IEEE Computer Society Student Chapter, ASU	<b>2006 - 2007</b>

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## AWARDS AND HONORS

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UG Murchison Engineering Scholarship	<b>2000 - 2001</b>
General Motors Minority Scholarship	<b>1998 – 2000</b>

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## PROFESSIONAL MEMBERSHIPS

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Student member of IEEE	<b>2007 -</b>
Member of Upsilon Pi Epsilon Honor Society El Paso Chapter	<b>2001</b>

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## REFERENCES

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Chitta Baral, Professor, Department of Computer Science and Engineering, Arizona State University, Tempe, AZ 85287; (480) 727-6047; [chitta@asu.edu](mailto:chitta@asu.edu)

Graciela Gonzalez, Assistant Professor, Department of Biomedical Informatics, Arizona State University, Phoenix, AZ 85004; (480) 965-6200; [graciela.gonzalez@asu.edu](mailto:graciela.gonzalez@asu.edu)

Seungchan Kim, Assistant Professor, Department of Computer Science and Engineering, Arizona State University, Tempe, AZ 85287; (480) 727-8833; [dolchan@asu.edu](mailto:dolchan@asu.edu)

Trao Cao Son, Associate Professor, Department of Computer Science, New Mexico State University, Las Cruces, NM 88003; (575) 646-1930; [tson@cs.nmsu.edu](mailto:tson@cs.nmsu.edu)

Yi Chen, Assistant Professor, Department of Computer Science and Engineering, Arizona State University, Tempe, AZ 85287; (480)727-0741; [yi@asu.edu](mailto:yi@asu.edu)