

Biographical Sketch of Krishnaprasad Thirunarayan

Krishnaprasad Thirunarayan (T. K. Prasad)

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a. Professional Preparation

<u>Institution</u>	<u>Concentration</u>	<u>Degree</u>	<u>Date</u>
Indian Inst. of Technology at Madras	Electrical Engr.	B. Tech.	1982
Indian Inst. of Science at Bangalore	Computer Science	M.E.	1984
State Univ of New York at Stony Brook	Computer Science	Ph.D.	1989

b. Appointments

<u>Institution</u>	<u>Position</u>	<u>Dates</u>
Wright State Univ	Associate Professor with Tenure	1995 – present
Cohesia Corporation	Consultant	1999 – 2002
Wright State Univ	Assistant Professor	1989 – 1995
Microelectronics Division, WPAFB	Summer Reseach Faculty	1994, 1995, 1997
SUNY at Stony Brook	Graduate Assistant	1984 – 1989

c. Selected Publications

- K. Thirunarayan and R. Verma, A Framework for Trust and Distrust Network, In: *Proceedings of Web 2.0 Trust Workshop* (co-located with: IFIPTM 2008), June 2008.
- K. Thirunarayan, and T. Immaneni, A Coherent Query Language for XML, In: *Journal of Intelligent Information Systems*, (Available online since March 2008)
- K. Thirunarayan, T. Immaneni, and M. Shaik, Selecting Labels for News Document Clusters, In: *Proceedings of 12th International Conference on Applications of Natural Language to Information Systems* (NLDB-2007), LNCS 4592, pp. 119-130, June 2007.
- T. Immaneni and K. Thirunarayan, A Unified approach To Retrieving Web Documents and Semantic Web Data, In: *Proceedings of the 4th European Semantic Web Conference* (ESWC-2007), LNCS 4519, pp. 579-593, June 2007.
- T. Immaneni, and K. Thirunarayan, Hybrid Retrieval from the Unified Web, In: *Proceedings of the 22nd Annual ACM Symposium on Applied Computing* (SWAP-2007), pp. 1376-1380, March 2007.
- D. Ravishankar, K. Thirunarayan, and T. Immaneni, A Modular Approach to Document Indexing and Semantic Search, In: *Proceedings of the IASTED International Conference on Web Technologies, Applications and Services*, pp. 165 -170, July 2005.
- K. Thirunarayan, On Embedding Machine-Processable Semantics into Documents, In: *IEEE Transactions on Knowledge and Data Engineering* (TKDE), Vol. 47, Issue 4, pp. 215-232, 2005.
- K. Thirunarayan, A. Berkovich, and D. Sokol, An Information Extraction Approach to Reorganizing and Summarizing Specifications, In: *Information and Software Technology Journal*, Vol. 47, Issue 4, pp. 215-232, 2005.

K. Thirunarayan, Local Theories of Inheritance, In: *International Journal of Intelligent Systems*, Vol. 10(7), pp. 617-645, 1995.

K. Thirunarayan and M. Kifer, A Theory of Nonmonotonic Inheritance Based on Annotated Logic, *Artificial Intelligence Journal*, Vol. 60, pp. 23-50, 1993.

d. Synergistic Activities

Contributed course material to the *Teaching about Programming Languages Project* upon invitation.

<http://www.cs.iastate.edu/~leavens/teaching-prog-lang/home.html>

Worked on Industrial application of Information Extraction research for – *Computer-Assisted Document Interpretation Tools*, with Cohesia Corporation, under NSF SBIR Phases I and II support, *Information Extraction from Semi-structured Documents* under AFRL support, and *Metadata for Timelining Events* under daytaOhio/LexisNexis support.

Evolved and maintained VHDL-87 parser in Quintus Prolog on UNIX, to VHDL-AMS parser in SWI-Prolog on both UNIX and Windows, for WPAFB, OH. (Students added Tcl/TK- and Java-based VHDL-AMS Design Browser.) (Available from <http://www.cs.wright.edu/~tkprasad>.)

Parser Generator resulting from Master's work used in Compiler Construction course.

Winner of 2007-2008 College of Engineering and Computer Science Outstanding Faculty Award

Proceedings Chair and Co-editor of *The Semantic Web - ISWC 2008, 7th International Semantic Web Conference*, Karlsruhe, LNCS 5318, Springer-Verlag (Heidelberg), October 2008.

e. Collaborators and Other Affiliations

(i) Recent Academic Collaborators

Laks V.S. Lakshmanan, University of British Columbia.	Haripriyan Hampapuram, Parasoft.
Trivikram Immaneni, Wright State University.	Stephen Carl, University of South.
Kevin Cleereman, Air Force Research Laboratory.	Gunter Keisel, University of Bonn.
Amit Sheth, Wright State University.	Rakesh Verma, University of Houston.

(ii) Graduate and Doctoral Advisors

(Ph.D.) Michael Kifer and David Scott Warren, Professors, SUNY at Stony Brook.

(M.E.) Priti Shankar and Y. N. Srikant, Professors, Indian Institute of Science.

(iii) Recent Graduate Students

Chris Kinzig (Ball Aerospace), Stephen Carl (Univ of South,TN), Dhanya Ravishankar (OH), Trivikram Immaneni (Technorati, CA), Sylvia George (NJ), Mastan Shaik (OH), Michelle Cheatham (WPAFB, OH), and Kevin Cleereman (WPAFB, OH).