

Kavi Mahesh

Dr. Kavi Mahesh is the Director of the Indian Institute of Information Technology, Dharwad. Previously, he was the *Dean of Research* at *PES University*, *Director* of the World-Bank funded *Research Centre for Knowledge Analytics and Ontological Engineering – KAnOE* and a *Professor of Computer Science*. His areas of interest are knowledge management, analytics, epistemology, ontology, classification studies, text processing and unstructured data management. He has three US patents and has published two books, 16 book chapters and 80 papers which have received over 1300 citations with a *h-index* of 20, *i₁₀-index* of 28 and a *g-index* of 35. Notable among these are the textbook *Theory of Computation: A Problem-Solving Approach* (Wiley India, 2012) and *Ten Steps to Maturity in Knowledge Management* (Elsevier Pub. UK, 2006). He was earlier with *Oracle Corporation, USA* and *New Mexico State University* and has consulted in the area of Knowledge Management with *Infosys, Hewlett Packard, United Nations* and *EasyLib.com*. He holds an M. Tech. in Computer Science from the *Indian Institute of Technology, Bombay* (1989) and an MS (1991) and a PhD (1995) in Computer Science from *Georgia Institute of Technology, USA*.

INTERESTS

He is primarily interested in managing large semantic datasets, understanding the ontological and epistemological models of such data and developing quantitative analytical methods in order to derive solutions to problems of business and social relevance to India and its citizens.

EDUCATION

Ph.D. in Computer Science Georgia Institute of Technology, Atlanta, USA, March 1995.

Thesis: Syntax-Semantics Interaction in Sentence Understanding

Certificate in Cognitive Science, Georgia Institute of Technology, Atlanta, USA, 1994.

M.S. in Computer Science Georgia Institute of Technology, Atlanta, USA, 1991 **GPA 4.0/4.0**

M.Tech. in Computer Science Indian Institute of Technology, Mumbai, 1989 **GPA 9.7/10.0**

Dissertation: A Knowledge Representation and Reasoning System

B.E. in Mechanical Engineering U.V.C.E., Bangalore University, India, 1987 **First Rank.**

9th Rank in SSLC for the State of Karnataka (out of 1,60,000)

EXPERIENCE

Total experience:

Research	28 years	Georgia Tech, New Mexico State University, Oracle, Infosys, PES
Teaching	18 years	Georgia Tech, New Mexico State University, PES
R&D in Industry	16 years	Oracle-USA, Infosys
Consulting	14 years	HP, Infosys, UNDP, Easylib.com and others
In USA	11 years	Oracle, Georgia Tech, New Mexico State University

Consulting:

1. Principal Consultant, Knowledge Management Group, Infosys Technologies Ltd. (2002-2013)
2. Technology Evaluation Consultant, United Nations Development Programme (UNDP), 2009-2010
3. Knowledge Management Consultant, Hewlett Packard India (2006-2008)
4. Chief Technical Consultant, EasyLib.com (2001-2013)
5. San Francisco – Bay Area start-up company (1998).

Details of Experience:

02/2014 to present: *Dean of Research*, PES University. Responsible for the PhD programme and formulation of Research Strategy, Regulations, Guidelines and Processes of the University.

06/2005 to present: *Professor*, Department of Computer Science, **PES Institute of Technology**, Bangalore, India. Also *Director*, KAnOE – Centre for Knowledge Analytics and Ontological Engineering (TEQIP-II, World Bank funded) research centre.

02/2003 to 06/2005: *Founder and CEO*, **Easy Softech**, Bangalore, India, A software product company.

05/2002 to 09/2013: *Principal Consultant, Knowledge Management*, **Infosys Technologies Ltd.** Bangalore, India, Responsible for developing strategies, designing models, and creating intellectual property for the thought leadership initiative in knowledge management.

04/2001 to 09/2013: *Chief Technical Consultant*, **EasyLib.com**, Bangalore, India, Consultant for the design, development, and maintenance of an E-Commerce system for the first ever Internet-enabled library.

08/2000 to 05/2002: *Technology Manager(KM)*, *Education and Research Department*, **Infosys Technologies Ltd.** Bangalore, India, Responsible for designing, building, and maintaining an enterprise knowledge management solution, and for building a brand in knowledge management.

06/1997 to 06/2000: *Principal Member of Technical Staff*, *Server Technologies*, **Oracle Corporation**, Redwood Shores, CA, USA, Technical leader for advanced information retrieval capabilities in Oracle8i *interMedia* Text product. Expert consulting member of product design team for new Oracle Applications software.

01/1997 to 05/1997: *Product Design Consultant*, A Silicon Valley startup company, Design of knowledge engineering and document visualization applications.

12/1994 to 05/1997: *Assistant Professor*, *Computing Research Laboratory and Computer Science Department*, **New Mexico State University**, Las Cruces, NM, USA, Research in knowledge engineering, ontology development, natural language processing, summarization and hypertext generation, information retrieval and extraction, and knowledge base design and evaluation. Proposal preparation, documentation, publishing, graduate student teaching and training.

09/1989 to 11/1994: *Graduate Teaching/Research Assistant*, *College of Computing*, **Georgia Institute of Technology**, Atlanta, GA, USA, Teaching graduate courses and post-graduate seminars; conducting research for sponsored projects in the Cognitive Science group.


01/1989 to 09/1989: *Scientific Officer*, Department of Computer Science and Automation, **Indian Institute of Science**, Bangalore, India, Research in natural language processing and knowledge-based software engineering.

PROFESSIONAL ACTIVITIES

1. Chief Editor, *Information Studies* journal (in its 25th year).
2. Member of Academic Council, Executive Council, Research Council and Board of Governors of PES University, Bangalore (a State Private University).
3. Member of Board of Trustees, SRELS - S R Ranganathan Endowment for Library Sciences.
4. Member of Board of Trustees, RCIS - Ranganathan Centre for Information Studies.
5. Member, IET - The Institution of Engineering and Technology.
6. Member of International Society for Knowledge Organization and its India Chapter.
7. Member, CIPK - Creativity and Innovation Platform of Karnataka, a unit under the Global Districts of Creativity, Flanders, Belgium.
8. Member of Doctoral Committee, Indian Institute of Management, IIM-Bangalore.
9. Member, Board of Studies, RV College of Engineering, Bangalore.
10. Member, Board of Studies, MS Ramaiah Institute of Technology, Bangalore.
11. Member, Board of Studies, Central University, Gulbarga, Karnataka.
12. Member Secretary, Karnataka State Innovation Council, Government of Karnataka.
13. Member of Education Committee, Association for Computing Machinery (ACM) – India.
14. Member of the Board of Studies in Information Systems and Management, University of Mysore and the International School of Information Management (ISiM), Mysore.
15. Member of the Governing Board for the MS Programme in Computer Science, IBM India.
16. Member of the Board of Studies in Computer and Information Sciences, PES Institute of Technology (Autonomous).
17. Member of Local Inquiry Committee, Visvesvaraya Technological University.
18. Guest Faculty, Documentation Research and Training Centre, Indian Statistical Institute, Bangalore.
19. Guest Faculty, International School of Information Management (ISiM), Mysore.
20. Principal Consultant, Knowledge Management, Infosys Technologies Ltd.
21. Consultant, Knowledge Management, Hewlett Packard India Software Operations.
22. Chief Technical Consultant, Easylib.com.
23. Core member, K-Community: The Knowledge Management Community of Bangalore.
24. Member of Program Committee, FOMI-2009, 4th Workshop on Formal Ontologies Meet Industry, Vicenza, Italy, September 2009.
25. Member of organizing committee, InfoVision annual conference.
26. Member of organizing committee, International Workshop on Ontology.
27. Chair of the AAAI Spring Symposium on Natural Language Processing for the World Wide Web, Stanford University, March 24-26, 1997.
28. Member of the editorial board, International Journal of Applied Intelligence, Kluwer Academic Publishers (1995-1997).
29. Member of review board, COSMAR conference, Department of Management Sciences, Indian Institute of Science, Bangalore, India.
30. Reviewer for the *Annual Conference of the Cognitive Science Society* (an international conference) in 1994, 1995, and 1996.
31. Reviewer for the International Joint Conference on Artificial Intelligence, Ijcai-95, (Montreal, Canada) and the Theoretical and Methodological Issues in Machine Translation conference, 1995 (Leuven, Belgium).
32. Member of the ad hoc American National Standards Institute (ANSI) committee on Ontology Standardization (1995-1998).

PATENTS and PUBLICATIONS

- International publications: 105
- Citations: 1300+
- h-Index: 20
- i10-Index: 28
- g-Index: 35



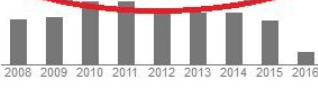
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 Ontology, Knowledge Management, Text Processing, Epistemology, Learning
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Citation indices	All	Since 2011
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Co-authors [View all...](#)

Stephen Beale
Ashok K. Goel

Title	Cited by	Year
A situated ontology for practical NLP		
K Mahesh, S Nirenburg Proceedings of the IJCAI-95 Workshop on Basic Ontological Issues in ...	241	1995
Ontology development for machine translation: Ideology and methodology		
K Mahesh, S Heimreich, L Wilson Computing Research Laboratory, New Mexico State University	187	1996
Semantic analysis in the Mikrokosmos machine translation project		
S Beale, S Nirenburg, K Mahesh Proceedings of the 2nd Symposium on Natural Language Processing, 297-307	108	1995
Finger detection for sign language recognition		
J Ravikiran, K Mahesh, S Mahishi, R Dheeraj, S Sudheender, NV Pujari Proceedings of the International MultiConference of Engineers and Computer ...	59	2009

US Patents

- 2015** Kavi Mahesh, J K Suresh and Rujuswami D Gandhi, Infosys Limited (2015) *Performance Optimization through Run-Time Quality Governance* US Patent 9,128,772
- 2009** Kavi Mahesh, Oracle Ckorporation (2009) *Automated integration of terminological information into a knowledge base* US Patent 7,512,575
- 2003** Kavi Mahesh, Oracle Corporation (2003) *Automated Integration of Terminological Information into a Knowledge Base* United States Patent US 6,654,731 B1

US Patent Applications

- 2012** Rujuswami Daxesh Gandhi, Kavi Mahesh and J K Suresh, Infosys Ltd., (Patent Application). *Method and System for Establishing Sorting Order of Events*. US20120259870
- 2004** V P Kochikar, Salmo C Sen, Kavi Mahesh and J K Suresh, Infosys Ltd. (Patent Application). *Automated Method for Quantitative*

Measurement of Benefits in a Plurality of Self-Assessing, Knowledge Sharing Communities. US20060277091

Books

- 6 **2012** Kavi Mahesh (2012) *Theory of Computation: A Problem-Solving Approach* New Delhi, India: Wiley isbn:978-81-265-3311-4
- 7 **2006** J K Suresh, Kavi Mahesh (2006) *Ten Steps to Maturity in Knowledge Management: Lessons in Economy* Oxford, United Kingdom: Chandos Publishing (now Elsevier), U.K. isbn:1843341301

International Journal Articles

- 8 **2016** Chandramouli Shama Sastry, Darshan S Jagaluru and Kavi Mahesh: *A Multi-Entity Page Rank Algorithm*. Polibits Journal Vol. 53 (to appear in 2016).
- 9 **2016** Chandramouli Shama Sastry, Darshan S Jagaluru and Kavi Mahesh: *Author Ranking in Multi-author Collaborative Networks*. COLLNET Journal of Scientometrics and Information Management. Taylor and Francis/Taru Publishers. Vol. 10(1) June 2016, pp. 21-40. DOI: 10.1080/09737766.2016.1197530
- 10 **2010** Ramesh Babu, Kavi Mahesh, J Srinivasan (2010) *SUVIDA: Subsequent Visit Detection Algorithms*, *International Journal of Data Warehousing*, ISSN: 0975-6124 2: 1. Jan-Jun
- 11 **2009** Kavi Mahesh, J K Suresh (2009) *Knowledge Criteria for Organization Design* *Journal of Knowledge Management* 13: 4. 41-51
- 12 **2008** J K Suresh, Kavi Mahesh (2008) *Managing the Knowledge Supply Chain at Infosys: Ensuring that every project benefits from collective learning*, *Knowledge Management Review* 11: 4. 14-19
- 13 **2004** Kavi Mahesh, J K Suresh (2004) *What is the K in KM Technology?* *Electronic Journal of Knowledge Management* 2: 2. 11-22
- 14 **1994** Justin Peterson, Kavi Mahesh, Ashok Goel (1994) *Situating natural language understanding within experience-based design*, *International Journal of Human-Computer studies* 41: 6. 881-913

National Journal Articles

- 15 2015 Pallavi Karanth, Kavi Mahesh: *From Data to Knowledge Analytics: Capabilities and Limitations*. Information Studies, 01/2016; 21(4):261 Oct 2015. DOI:10.5958/0976-1934.2015.00019.1
- 16 2015 Kavi Mahesh: *Editorial: Managing Research Data*. Information Studies, 01/2015; 21(1):1 Jan 2015. DOI:10.5958/0976-1934.2015.00005.1
- 17 2013 Kavi Mahesh, Pallavi Karanth (2013) Supporting Multiple Points of View in Knowledge Organization, *Journal of Information Management*, SRELS Golden Jubilee Special Issue on Knowledge Organization: From Libraries to the Web 50: 6. 831-842 Dec 2013.

Book Chapters (International, peer reviewed)

- 18 2016 Kavi Mahesh and Pallavi Karanth: *Organizing Knowledge to Facilitate Analytics*, in ISKO-2016, Advances in Knowledge Organization, Vol. 15, Ergon Publishers, Germany.
- 19 2016 Kavi Mahesh, Ashwini Venkatesh, Lalitha M V, Jyothi Narayana, Ananthakrishna Thantri: *Crowd-Sourcing of Multimedia Content in Low-Resource Languages*. IAENG Transactions on Engineering Sciences - Special Issue for the International Association of Engineers Conferences 2015, Edited by IAENG, 01/2016; World Scientific.
- 20 2014 Kavi Mahesh: *Highly Expressive Tagging for Knowledge Organization in the 21st Century*. Knowledge Organization in the 21st Century: Between Historical Patterns and Future Prospects, Edited by Wieslaw Babik, 01/2014: pages 274-280; Ergon Verlag., ISBN: 9783956500404
- 21 2012 Kavi Mahesh, Pallavi Karanth (2012) A Novel Knowledge Organization Scheme for the Web: Superlinks with Semantic Roles In: Advances in Knowledge Organization, Vol 13: Categories, Contexts and Relations in Knowledge Organization, Proceedings of the Twelfth International ISKO Conference, 6-9 August 2012, Mysore, India, pp90-95, ISBN 9783899139020 Edited by: A. Neelameghan and K. S. Raghavan. Ergon Verlag
- 22 2010 A Latha, J K Suresh, Kavi Mahesh (2010) KM in Projects: Methodology and Experience In: Convergence of Project Management and Knowledge Management Edited by: T Kanti Srikantaiah, Michael E D

Koenig, Suliman Hawamdeh. 145-173 The Scarecrow Press, Inc.
isbn:9780810876972

- 23** **2010** J Ravikiran, Kavi Mahesh, Suhas Mahishi, R Dheeraj, S Sudheender, Nitin V Pujari (2010) Automatic Recognition of Sign Language Images In: Intelligent Automation and Computer Engineering, Lecture Notes in Electrical Engineering 52 Edited by: Sio-long Ao, Oscar Castillo, Xu Huang. 321-332 Springer isbn:9789048135165
- 24** **2009** Sunil Mallya, Kavi Mahesh (2009) Ssort: Peak Analysis for Efficient String Sorting In: Lecture Notes in Electrical Engineering 28, Proceedings of European Computing Conference 2007 389-398 Springer
- 25** **2008** Kavi Mahesh, J K Suresh (2008) Representing and Managing Context: Towards Knowledge Resource Planning In: Knowledge Management in Practice: Connections and Context Edited by: Michael Koenig and Taverekere (Kanti) Srikantaiah. Information Today Inc. isbn:1573873128
- 26** **2003** V P Kochikar, Kavi Mahesh, C S Mahind (2003) Knowledge Management in Action: The Experience of Infosys Technologies In: Knowledge and Business Process Management Edited by: Vlatka Hlupic. Idea Group Publishing. isbn:1591400368
- 27** **2000** Kavi Mahesh, Sergei Nirenburg, Stephen Beale (2000) Toward full-text ontology-based word sense disambiguation In: Recent Advances in Natural Language Processing II Edited by: Nicolas Nicolov and Ruslan Mitkov. 131-142 John Benjamins Publishing Company isbn:155619966X
- 28** **1999** Evelyn Viegas, Kavi Mahesh, Sergei Nirenburg, Stephen Beale (1999) Semantics in Action In: Predicative Forms in Natural Language and in Lexical Knowledge Bases Edited by: P. Saint Dizier. Dordrecht: Kluwer Academic Press isbn:9048151465
- 29** Kavi Mahesh, Kurt Eiselt, Jennifer Holbrook (1999) Sentence Processing in Understanding: Interaction and Integration of Knowledge Sources In: Understanding Language Understanding: Computational Models of Reading Edited by: Ashwin Ram. MIT Press isbn:0262181924
- 30** **1997** Kavi Mahesh, Sergei Nirenburg (1997) Knowledge-based systems for natural language processing In: The Computer Science and

Engineering Handbook Edited by: A. Tucker. in cooperation with the Association for Computing Machinery CRC Press

- 31 1995** Kavi Mahesh, Sergei Nirenburg (1995) Semantic Classification for Practical Machine Translation In: Advances in Classification Research, Vol. 6 Special Interest Group in Classification Research, American Society for Information Science

Book Chapters (National, peer reviewed)

- 32 2014** Kavi Mahesh, Pallavi Karanth (2014) *Supporting Multiple Points of View in Knowledge Organization* In: Knowledge Organization: From Libraries to the Web Edited by:K. S. Raghavan, A. Neelameghan. 153-166 SRELS - Sarada Ranganathan Endowment for Library Sciences, Bangalore, Ess Ess Publications, New Delhi, India, isbn:978-81-7000-718-0.
- 33 2012** Kavi Mahesh, Pallavi Karanth (2012) Knowledge Browsing with Superlinks In: Digital Libraries and Knowledge Organization Edited by: Antony Jose. 467-477 Macmillan, Delhi, India isbn:978-935-059-076-8
- 34 2009** J K Suresh, Kavi Mahesh (2009) Role of Knowledge in the Growth of the Indian Economy In: Knowledge Management and Intellectual Capital - Emerging Perspectives Edited by: Surinder Batra and Francisco Javier Carrillo. 865-881 ICKMI-2009, Institute of Management Technology, Ghaziabad Allied Publishers, New Delhi isbn:978-81-8424-420-5

International Conference Papers (peer reviewed)

- 35 2016** Pallavi Karanth and Kavi Mahesh (2016) Semantic Coverage Measures: Analytic Operators for Ontologists. In *Proc. 8th International Conference on Knowledge Discovery and Information Retrieval KDIR-2016*, Porto, Portugal, Nov 2016.
- 36** Debarati Das, Bhaskarjyoti Das and Kavi Mahesh, A Computational Analysis of Mahabharata, (To appear) In *Proc. International Conference on Natural Language Processing ICON-2016*, IIT-BHU, Dec 2016.

- 37 Lavanya Hegde, Narella Srilakshmi and Kavi Mahesh (2016). Visual Analytics of Terrorism Data. In Proc. IEEE CCEM 2016 International Conference on Cloud Computing in Emerging Markets, October 19-21, Bangalore, India.
- 38 Aakash Ratkal, Gangadhar Akalwadi, Vinay Patil and Kavi Mahesh (2016). Farmer's Analytical Assistant. In Proc. IEEE CCEM 2016 International Conference on Cloud Computing in Emerging Markets, October 19-21, Bangalore, India.
- 39 Kavi Mahesh and Pallavi Karanth (2016) Organizing Knowledge to Facilitate Analytics, In Proc. 14th International ISKO Conference, International Society for Knowledge Organization, 27-29 September, Rio de Janeiro, Brazil.
- 40 Debarati Das, Lisa Sarah Thomas and Kavi Mahesh (2016). ResearchAssist: Analyzing author interests. To appear in the ICACCI-2016 International Conference on Advances in Computing, Communications and Informatics, 21-24 September 2016, LNMIIT, Jaipur, India.
- 41 Kovvali Manasa Rao, Durga Ravichandran, Kavi Mahesh: *Non-Intrusive Load Monitoring for Household Power Consumption Data*. BunB Balance Unbalance 2016: Data Science + Eco Action, Manizales, Columbia; 05/2016
- 42 Bhargav H S, Gagadhar Akalwadi, Kishan K, Kavi Mahesh: *BookLOD - An Open Library Catalog as Semantic Data*. Library and Information Professionals Summit (LIPS) 2016 on "From Ownership to Access: Leveraging the Digital Paradigm", New Delhi, India; 05/2016
- 43 Kovvali Manasa Rao, Durga Ravichandran, Kavi Mahesh: *Non-intrusive load monitoring and analytics for device prediction*. IMECS International Multiconference of Engineers and Computer Scientists, ICCS 2016, Hong Kong 03/2016
- 44 Aman Achpal, Vinayshekhar Bannihatti Kumar, Kavi Mahesh: *Modeling Ontology Semantic Constraints in Relational Database Management System*. IMECS International Multiconference of Engineers and Computer Scientists, ICCS 2016, Hong Kong; 03/2016
- 45 H S Bhargav, Gangadhar Akalwadi, Kishan K, Kavi Mahesh: *Curating A Semantic Bibliographic Catalog*. IEEE ICSC 2016 Tenth International

Conference on Semantic Computing, Laguna Hills, California, USA;
02/2016

- 46** Chiraag, Harshith G., Lavanya P Karthikeyakeshava Shastry and Kavi Mahesh, Graphic Visualization of Scientometric Data, (To appear) in Proc. International Conference on Digital Libraries, ICDL-2016, Teri, New Delhi, Dec 2016.
- 47** Madhu Nadig, K. N. Bhargav and Kavi Mahesh, Empirical Analysis of Indian Political Ecosystem as an Application of Generic Textual Analysis, (To appear) in Proc. International Conference on Digital Libraries, ICDL-2016, Teri, New Delhi, Dec 2016.
- 48** Abhishek P., Jayateerth S Deshpande and Kavi Mahesh, Classification-based Access Control Methodology in RDF, (To appear) in Proc. International Conference on Digital Libraries, ICDL-2016, Teri, New Delhi, Dec 2016.
- 49** **2015** Chandramouli Shama Sastry, Darshan S Jagaluru, Kavi Mahesh: *Author Ranking: A Study of Variations in Page Rank Algorithms*. Emerging Trends and Issues in Scientometrics, Informetrics and Webometrics, Jain, P. K., Kar, D. C., Kretschmer, H. and Babbar P (eds), Proc. 11th International Conf. Webometrics, Informetrics and Scientometrics and 16th COLLNET Meeting, New Delhi, India; 11/2015
- 50** Ashwini Venkatesh, M V Lalitha, Jyothi Narayana, Kavi Mahesh: *Wikiaudia: Crowd-sourcing the Production of Audio and Digital Books*. Proc. International Conference on Computer Science - ICCS-2015, 01/2015
- 51** **2014** Darshan Patel, Devashish Thakur, Kavi Mahesh (2014) A Novel Approach towards Very High Level Programming In: Proc. International Conference on Computer Science - ICCS-2014, IMECS - International MultiConference of Engineers and Computer Scientists, IAENG, 12-14 March 2014, Hong Kong.
- 52** Kavi Mahesh (2014) Highly Expressive Tagging for Knowledge Organization in the 21st Century In: Proc. ISKO-2014 International Conference on Knowledge Organization in the 21st Century: Between Historical Patterns and Future Prospects, International Society for Knowledge Organization, 19-22 May 2014, Krakow, Poland.
- 53** Shruthi Chari, Shrinidhi Ramakrishnan and Kavi Mahesh (2014) LODMedics: Bringing Semantic Data to the Common Man. In: Proc.

13th International Semantic Web Conference, ISWC-2014, Semantic Web Challenge, 21-23 October 2014, Riva del Garda, Italy.

- 54** Kavi Mahesh (2013) Ontology-Based Content Management In: Proc. International Conference on Digital Libraries - ICDL-2013, TERI, 27-29 Nov 2013, New Delhi, India.
- 55** Kavi Mahesh, Aparna Nagarajan, Apoorva Rao Balevalachilu, Karthik Prasad (2013) Curating Semantic Linked Open Datasets for Software Engineering In: Proc. 12th International Semantic Web Conference, ISWC-2013, 21-25 October 2013, Sydney, Australia.
- 56** Kavi Mahesh, Shruthi Chari, Shrinidhi Ramakrishnan (2013) LODScape: Ontology-Based Multiple-LOD Object Browser In: Proc. 12th International Semantic Web Conference, ISWC-2013, Semantic Web Challenge, 21-25 October 2013, Sydney, Australia.
- 57** M V Lalitha, Ashwini Venkatesh, Kavi Mahesh (2013) Supporting Multi-Target Semantic Hyperlinks In: Proc. International Conference on Knowledge Modelling and Knowledge Management - ICKM-2013, Documentation Training and Research Centre - DRTC, Indian Statistical Institute, 20-21 Nov 2013, Bangalore, India.
- 58** **2012** Kavi Mahesh, Pallavi Karanth (2012) Smart-Aleck: An Interestingness Algorithm for Large Semantic Datasets In: 11th International Semantic Web Conference - Semantic Web Challenge, 11-15 Nov, 2012, Boston, MA.
- 59** Pallavi Karanth, Kavi Mahesh (2012) Integrating Knowledge Base Retrieval with Web Search using Semantic Roles In: Lecture Notes in Engineering and Computer Science: Proceedings of the International MultiConference of Engineers and Computer Scientists 2012 (IMECS 2012, ICCS 2012), 14-16 Mar, 2012, Hong Kong, Vol. 1, ISBN 978-988-19251-1-4 344-349 IAENG Hong Kong
- 60** Karthik Shivaram, Nikhil Rajendra, Kavi Mahesh and Padmavathy Jawahar (2012). Power line communication based automation system using a handheld Wi - Fi device. In Digest of Technical Papers - IEEE International Conference on Consumer Electronics, 16th IEEE International Symposium on Consumer Electronics ISCE-2012, June 2012.
- 61** Kavi Mahesh, Pallavi Karanth (2011) Knowledge Browsing with Superlinks In: International Conference on Digital Libraries and

Knowledge Organization, ICDK 2011 Management Development Institute

- 62** **2009** Gaurav Gupta, Kavi Mahesh (2009) Secure Personal Information Management between PCs and Handheld Devices In: Proc. International Conference on Computer Science, International Multi-Conference of Engineers and Computer Scientists – IMECS 2009 ICCS-2009, IAENG, Hong Kong IAENG, Hong Kong
- 63** J K Suresh, Kavi Mahesh (2009) Role of Knowledge in the Growth of the Indian Economy In: Proc. of ICKMIC2009 International Conference on Knowledge Management and Intellectual Capital Institute of Management Technology, Ghaziabad, India
- 64** J Ravikiran, Kavi Mahesh, Suhas Mahishi, R Dheeraj, S Sudheender, Nitin V Pujari (2009) Finger Detection for Sign Language Recognition In: Proc. International Conference on Computer Science, International Multi-Conference of Engineers and Computer Scientists – IMECS 2009 ICCS-2009, IAENG, Hong Kong
- 65** **2007** Sunil Mallya, Kavi Mahesh (2007) SSort: Peak Analysis for Efficient String Sorting In: Proc. European Computing Conference, ECC2007 Athens, Greece: WSEAS
- 66** **2006** Kavi Mahesh (2006) Engineering a Semantic IntraWeb for Knowledge Management In: Proc. KMAP-2006, 3rd Asia Pacific International Conference on Knowledge Management KMAP-2006, Hong Kong.
- 67** **2005** Kavi Mahesh, J K Suresh (2005) XML Schema Languages for Knowledge Representation and Management, Tutorial notes In: Proc. The Second Indian International Conference on Artificial Intelligence Pune, India
- 68** **2000** Kavi Mahesh, Jacquellyn Kud, Paul Dixon (2000) Oracle at TREC8: A Lexical Approach In: NIST Special Publication: The Eighth Text REtrieval Conference (TREC8) National Institute of Standards and Technology, USA
- 69** **1998** Tom O'Hara, Kavi Mahesh, Sergei Nirenburg (1998) Lexical acquisition with WordNet and the Mikrokosmos Ontology In: Proceedings of the COLING/ACL Workshop on Usage of WordNet in Natural Language Processing Systems, University of Montreal
- 70** **1997** Kavi Mahesh, Sergei Nirenburg, Stephen Beale, Evelyne Viegas, Victor Raskin, Boyan Onyshkevych (1997) Word Sense Disambiguation: Why

- Statistics When We Have These Numbers? In: Proceedings of Theoretical and Methodological Issues in Machine Translation (TMI-97). Santa Fe, New Mexico
- 71** Kavi Mahesh, Sergei Nirenburg, Stephen Beale (1997) If you have it, flaunt it : Using full ontological knowledge for word sense disambiguation In: Proceedings of the 7th International Conference on Theoretical and Methodological Issues in Machine Translation, TMI-97, Santa Fe, New Mexico, USA 23-25
- 72** Kavi Mahesh (1997) Hypertext summary extraction for fast document browsing In: Proc. AAAI Spring Symposium on Natural Language Processing for the World Wide Web, Stanford University, AAAI Technical Report SS-97-02 Edited by:Kavi Mahesh. American Association for Artificial Intelligence Menlo Park, California, USA: AAAI-Press
- 73** **1996** Kavi Mahesh, Sergei Nirenburg (1996) KR Requirements for Natural Language Semantics: A Critical Evaluation of Cyc In: Proceedings of the Knowledge Representation Conference: KR-96
- 74** Kavi Mahesh, Sergei Nirenburg, Stephen Beale (1996) Exploiting Dynamic Contexts for Word Sense Disambiguation In: Proceedings of the Eighteenth Annual Conference of the Cognitive Science Society, San Diego, California
- 75** Kavi Mahesh (1996) Modeling the Costs of Ambiguity Resolution and Syntax-Semantics Interaction. Extended abstract In: Proceedings of the Eighteenth Annual Conference of the Cognitive Science Society, San Diego, CA
- 76** Stephen Beale, Sergei Nirenburg, Kavi Mahesh (1996) Hunter-Gatherer: Optimizing natural language semantics applications In: 34th Annual Meeting of the Association for Computational Linguistics, ACL-96, Santa Cruz, CA
- 77** Ashok Goel, Kavi Mahesh, Justin Peterson, Kurt Eiselt (1996) Unification of Language Understanding, Device Comprehension and Knowledge Acquisition In: Proceedings of the 18th Annual Conference of the Cognitive Science Society, San Diego, California

- 78** Evelyne Viegas, Kavi Mahesh, Sergei Nirenburg (1996) Semantics in Action In: Workshop on Predicative Forms in Natural Language and Lexical Knowledge Bases, August 1-2, 1996, Toulouse, France
- 79** Sergei Nirenburg, Kavi Mahesh, Evelyne Viegas, Stephen Beale, Victor Raskin, Boyan Onyshkevych (1996) Technological and conceptual tools for lexical knowledge acquisition In: Proceedings of DIALOGUE-96 conference on Computational Linguistics, May 4-10, 1996, Puschino, Russia
- 80** Kavi Mahesh, Stephen Beale, Sergei Nirenburg, Boyan Onyshkevych (1996) Ontology-Based Ambiguity Resolution and Non-Literal Interpretation In: Proceedings of the International Conference on Knowledge Based Computer Systems (KBCS-96), Bombay, India
- 81** Kavi Mahesh, Sergei Nirenburg (1996) Principles of Ontological Engineering for Natural Language Processing. Extended abstract In: Workshop on Ontological Engineering, European Conference on Artificial Intelligence, ECAI-96, Budapest, Hungary
- 82** Kavi Mahesh, Sergei Nirenburg, Stephen Beale, Boyan Onyshkevych, Evelyne Viegas, Victor Raskin (1996) Word Sense Disambiguation : Why Statistics When We Have These Numbers In: Practical NLP, in IJCAI-95 Workshop on Basic Ontological Issues in Knowledge Sharing
- 83** Sergei Nirenburg, Stephen Beale, Stephen Helmreich, Kavi Mahesh, Evelyne Viegas, Remi Zajac (1996) Two principles and six techniques for rapid mt development In: Proc. of AMTA-96 American Machine Translation Association 96-105
- 84** Sergei Nirenburg, Stephen Beale, Kavi Mahesh, Boyan Onyshkevych, Victor Raskin, Evelyn Viegas, Yorick Wilks, Remi Zajac (1996) Lexicons in the Mikrokosmos project In: Proceedings of the Workshop on Multilinguality in the Lexicon, Society for the Study of Artificial Intelligence and the Simulation of Behaviour, April 1-2, 1996, Brighton, United Kingdom 26-33
- 85** Sergei Nirenburg, Kavi Mahesh, Stephen Beale (1996) Measuring semantic coverage In: Proceedings of the International Conference on Computational Linguistics, Coling96, Copenhagen, Denmark
- 86** Stephen Beale, Sergei Nirenburg, Kavi Mahesh (1996) HUNTER-GATHERER : Three Search Techniques Integrated for Natural Language Semantics In: Proceedings of the Thirteenth National Conference on

Artificial Intelligence, AAAI-96 1056-1061 American Association for Artificial Intelligence Portland, Oregon

- 87** Kavi Mahesh, Sergei Nirenburg (1996) Meaning representation for knowledge sharing in practical machine translation In: In Proceedings of the FLAIRS-96. Track on Information Interchange, Florida AI Research Symposium
- 88** **1995** Kavi Mahesh, Sergei Nirenburg (1995) A Situated Ontology for Practical NLP In: In IJCAI-95 Workshop on Basic Ontological Issues in Knowledge Sharing, International Joint Conference on Artificial Intelligence (IJCAI-95), Aug. 19-20, 1995. Montreal, Canada
- 89** Stephen Beale, Sergei Nirenburg, Kavi Mahesh (1995) Semantic analysis in the Mikrokosmos machine translation project In: Proceedings of the Second Symposium on Natural Language Processing, SNLP-95, Pages 297-307, August 2-4, 1995, Bangkok, Thailand 297-307
- 90** Kavi Mahesh, Sergei Nirenburg (1995) Semantic Classification for Practical Natural Language Processing In: Proceedings of the Sixth ASIS SIG/CR Classification Research Workshop: An Interdisciplinary Meeting. Pages 79-94, October 8, 1995, Chicago IL
- 91** **1994** Kavi Mahesh, Justin Peterson, Ashok Goel, Kurt Eiselt (1994) KA: Integrating design problem solving and natural language understanding In: Working Notes from the AAAI Spring Symposium Active NLP: Natural Language Understanding in Integrated Systems Pages 29-33, March 21-23, 1994, Stanford University, California American Association for Artificial Intelligence
- 92** Justin Peterson, Kavi Mahesh, Ashok Goel, Kurt Eiselt (1994) KA: Situating natural language understanding in design problem solving In: Proceedings of the Sixteenth Annual Conference of the Cognitive Science Society, Atlanta, GA 711-716 Lawrence Erlbaum Associates, Publishers
- 93** Kavi Mahesh, Kurt Eiselt (1994) Uniform representations for syntax-semantics arbitration In: Proceedings of the Sixteenth Annual Conference of the Cognitive Science Society, Pages 589-594, Atlanta, GA, Lawrence Erlbaum Associates
- 94** Kavi Mahesh (1994) Building a parser that can afford to interact with semantics In: Proceedings of the Twelfth National Conference on

Artificial Intelligence (AAAI-94), Page 1473, Seattle, WA AAAI Press/MIT Press

- 95** Kavi Mahesh (1994) Reaping the Benefits of Interactive Syntax and Semantics In: Proceedings of the 32nd Annual Meeting of the Association for Computational Linguistics, Pages 310-312, 27 June - 1 July 1994, New Mexico State University, Las Cruces, New Mexico 310-312 ACL and Morgan Kaufmann
- 96** **1993** Jeff Pittges, Kurt Eiselt, Ashok Goel, Andres Gomez de de Garza, Kavi Mahesh, Justin Peterson (1993) Representation and use of function in natural language understanding In: Working Notes from the AAAI-93 Workshop on Reasoning About Function, Eleventh National Conference on Artificial Intelligence, Washington, DC 114-120
- 97** Kurt P Eiselt, Kavi Mahesh, Jennifer K Holbrook (1993) Having your cake and eating it too: Autonomy and interaction in a model of sentence processing In: Proceedings of the Eleventh National Conference on Artificial Intelligence (AAAI-93), Pages 380-385, Washington DC 380-385 AAAI Press and The MIT Press
- 98** Jeff Pittges, Kurt Eiselt, Ashok Goel, Andres Gomez de de Garza, Kavi Mahesh, Justin Peterson (1993) KA: Integrating natural language processing and problem solving In: Proceedings of the Fifteenth Annual Conference of the Cognitive Science Society, Boulder, Colorado 818-823 Lawrence Erlbaum Associates
- 99** **1992** Jennifer K Holbrook, Kurt P Eiselt, Kavi Mahesh (1992) A unified process model of syntactic and semantic error recovery in sentence understanding In: In Proceedings of the Fourteenth Annual Conference of the Cognitive Science Society, Bloomington IN 195-200 Lawrence Erlbaum Associates
- 100** **1991** Kavi Mahesh, Kurt P Eiselt (1991) Embedded structures and marker passing for language understanding In: Working notes from the Connectionist Natural Language Symposium, AAAI Spring Symposium Series, Stanford University American Association for Artificial Intelligence
- 101** **1990** Kavi Mahesh, Kurt Eiselt, Ashwin Ram (1990) A theory of representation for understanding stories in multi-agent adversarial domains In: Workshop Notes from the Eighth National Conference on Artificial Intelligence (AAAI-90), Adversarial Reasoning and Artificial

National Conference Papers (peer reviewed)

- 102 2016** Tejas Dharamsi, Rituparna Jawahar, Kavi Mahesh and Gowri Srinivasa (To appear). Stringing subtitles in sign language. In Proc. T4E2016 Technology for Education 2016, IIT Bombay, Dec 2016.
- 103 2015** Kavi Mahesh: *Teaching as Applied Epistemology*. Indian Society for Technical Education, 18th ISTE Convention, Bangalore, India; 11/2015
- 104 2014** Kavi Mahesh: *Managing Semantic Data*. Knowledge, Library and Information Networking, Papers from the 17th National Convention NACLIN-2014, December 9-11, Pondicherry; 01/2014
- 105 2013** Kavi Mahesh (2013) Vedic Ontology: Some Ideas and Applications In: Proc. National Conference on Vedic Literature, Bharatiya Vidya Bhavan, 21-28 July 2013, Bangalore, India.
- 106 2012** Kavi Mahesh: *Redefining the Role of an Engineering Teacher*. 01/2012 (Booklet)
- 107 2011** H M Venkateshprasanna, Rujuswami D Gandhi, Kavi Mahesh, J K Suresh (2011) Enterprise Search through Automatic Synthesis of Tag Clouds In: Proceedings of the Fourth Annual ACM Bangalore Conference (COMPUTE '11), Bangalore, March 25-26 2011, Article 26 , 4 pages ACM, New York, NY, USA, 9781450307505
- 108 2010** Ramesh Babu, Kavi Mahesh, J Srinivasan (2010) SUVIDA: Subsequent Visit Detection Algorithms In: Proc. NCETACS-2010: National Conference on Emerging Trends and Applications in Computer Science St. Anthony's College, Shillong, Meghalaya, India
- 109 2009** A Latha, J K Suresh, Kavi Mahesh (2009) Measuring KM in Projects: Methodology and Experience, Notes from the Master Class In: Knowledge Management KM-India 2009, Chennai, India Confederation of Indian Industry
- 110 2008** Kavi Mahesh, A Latha, J K Suresh (2008) Taking the Measure of Knowledge Management: Metrics, Maturity and Benchmarking,

Technical Reports

- 111** **2010** Kavi Mahesh (2010) Technology Evaluation of Solution Exchange United Nations Development Programme (UNDP) New Delhi, India
- 112** **1996** Kavi Mahesh, Sergei Nirenburg, Jim Bowie, David Farwell (1996) An Assessment of CYC for Natural Language Processing Computing Research Laboratory, New Mexico State University MCCS MCCS-96-302. Las Cruces, New Mexico, USA
- 113** Kavi Mahesh (1996) Ontology development for machine translation : Ideology and methodology Computing Research Laboratory, New Mexico State University MCCS MCCS-96-292. Las Cruces, New Mexico, USA
- 114** **1993** Kavi Mahesh (1993) A Theory of Interaction and Independence in Sentence Understanding: A PhD Proposal College of Computing, Georgia Institute of Technology GIT-CC GIT-CC-93-34. Atlanta, GA
- 115** **1989** Kavi Mahesh, Nirmal K Sancheti, V V S Sarma (1989) Software requirement analysis by natural language processing Computer Science and Automation Department, Indian Institute of Science Bangalore, India

Technical Manuals

- 116** **1999** Kavi Mahesh (1999) Advanced Search Capabilities in Oracle8i interMedia Text Services Oracle Technology Network (Technet.Oracle.com), Oracle Corporation Redwood Shores, California, USA
- 117** Kavi Mahesh (1999) Text Retrieval Quality: A Primer Oracle Technology Network (Technet.Oracle.com), Oracle Corporation Redwood Shores, California, USA
- 118** **1998** Shamim Alpha, Steve Buxton, Chung-ho Chen, Yun Cheng, Paul Dixon, Elena Huang, Jie Bai, Garret Kaminaga, Jacqueline Kud, Bryn Llewellyn, Wesley Lin, Kavi Mahesh, Yasuhiro Matsuda, Gerda Shank, Steve Yang (1998) Oracle8i interMedia Text Reference Release 2 (8.1.6) Oracle Corporation Redwood Shores, California, USA

119 Steven Beale, Kavi Mahesh, Sergei Nirenburg *Hunter-Gatherer Tutorial* School of Computer Science, Carnegie Mellon University, USA

Conference Proceedings

120 **1997** Natural Language Processing for the World Wide Web (1997) Edited by:Kavi Mahesh. Menlo Park, California, USA: AAAI-Press American Association for Artificial Intelligence

PhD Thesis

121 **1995** Kavi Mahesh (1995) Syntax-Semantics Interaction in Sentence Understanding - Technical Report GIT-CC-95-10 College of Computing, Georgia Institute of Technology Atlanta, Georgia

Infosys Knowledge Portal Articles

122 **2010** Kavi Mahesh (2010) A typology of modern human communication [Infosys Technologies Internal Knowledge Portal]

123 **2009** Kavi Mahesh (2009) A Quick Introduction to OWL 2 Web Ontology Language [Infosys Technologies Internal Knowledge Portal]

124 **2002** Kavi Mahesh (2002) Transaction isolation levels in SQL Server: An experience [Infosys Technologies Internal Knowledge Portal]

125 **2001** Kavi Mahesh (2001) Microsoft .Net: An Unsolicited Opinion [Infosys Technologies Internal Knowledge Portal]

Video Lecture

126 **2011** Kavi Mahesh (2011) What is Computer Science? A Connected View <http://www.youtube.com/watch?v=H-UILO1jC1Y> [Video lecture]

Data sets created

1. **LOD-IT**: a Linked Open Data set on information technology terminology (published on datahub.io)
2. **BookLOD**: an 800 million record Linked Open Data set on all published books
3. **UllekhaMaala**: the first ever Linked Open Data set in Kannada (from YAGO)

4. **LOD Medics:** a Linked Open Data set from the DailyMed data with addition of Ayurvedic drugs
5. **Panchanga:** a 60-year astronomical data set according to traditional Indian calendars
6. **Mechanisms Ontology:** a comprehensive OWL ontology of over 3000 engineering mechanisms
7. **Heat Exchanger Ontology:** a comprehensive OWL ontology of heat exchanger mechanisms
8. **Electronic Components Ontology:** an ontology of classes of electronic components
9. **Sanskrit Grammar Ontology:** an OWL ontology of technical terms used in traditional Sanskrit grammar
10. **Household Electricity Usage Data set:** a per-minute data set of electricity usage in households in India for several months

COURSES TAUGHT

Undergraduate Core Courses

1. Theory of Computation/Finite Automata and Formal Languages
2. Discrete Mathematics with Logic
3. Database Management Systems
4. Introduction to Computer Science
5. Design and Analysis of Algorithms (for Microsoft Research MEC - Massively Empowered Classrooms project)
6. Web technologies (for VTU Satellite Broadcast project)

Undergraduate Elective Courses

7. Algorithms of the Intelligent Web
8. Artificial Intelligence
9. Semantic Web Technologies
10. XML Technologies
11. Introduction to Language and Linguistics

Graduate Courses

12. Data Analytics
13. Knowledge Management
14. Web technologies
15. Formal Methods in Computer Science
16. Artificial Intelligence
17. Algorithms of the Intelligent Web
18. Information Architecture
19. Advanced Database Management Systems
20. Semantic Web Technologies
21. Graduate Seminar in Ontological Semantics

22. Research Methodologies
23. Research Communication

RECENT TRAINING/CERTIFICATION OBTAINED

1. Ontology: a 3-day course by Stanford University at Vienna, Austria in 2013
2. Policy Analysis and Evaluation: a 3-week Data Science workshop by Cornell University at GRAAM, Mysore, India 2016

RESEARCH PROJECTS

Research Funding (recent):

2013 - present	Rs. 500 lakhs	TEQIP-World Bank/MHRD, Govt of India	COE - KAnOE
2015 - present	Rs. 100 lakhs (consortium)	TDIL-DeitY, Govt of India	Indian language modeling
2013 - 2014	Rs. 11 lakhs	MODROBS-AICTE	Ontological Engg
2013 - 2015	Rs. 4 lakhs	Microsoft Research	Unrestricted grant
2010 - 2013	Rs. 14 lakhs	Visvesvaraya Technological Univ	Ontological Engg
2007 - 2009	Rs. 5 lakhs	RPS - AICTE, Govt of India	Sign Language Recog

Note: One lakh = 100,000

Successful Research Proposals:

1. Centre of Excellence in Knowledge Analytics and Ontological Engineering, KAnOE, World Bank/MHRD (Teqip 1.2.1)
2. Consortium Proposal for Technology Development in Indian Languages - A New Framework for Analysis and Translation of Indian Languages: Kannada and Telugu, DeitY.
3. Enhancing the Ontological Engineering Laboratory - Modernization and Removal of Obsolescence - MODROBS, AICTE.
4. Developing Knowledge Management Technology for Preserving Traditional Knowledge of India, funded by Visvesvaraya Technological University.
5. Developing Technology for Communication between Blind and Deaf, PES Institute of Technology, Bangalore, with Prof. Nitin V. Pujari, funded by AICTE RPS.
6. MINDS: Multilingual Interactive Document Summarization. Computing Research Laboratory, New Mexico State University.
7. The well-tuned lexicon: the core of natural language processing technology. Computing Research Laboratory, New Mexico State University.
8. Arabic to English machine translation. Computing Research Laboratory, New Mexico State University.
9. Processing of non-literal expressions in text. Computing Research Laboratory, New Mexico State University.

10. A cognitive approach to text analysis and text-based knowledge acquisition in interactive design systems. College of Computing, Georgia Institute of Technology.
11. A writing elaboration tool: The rhetorical critic. Natural Language and Reasoning research group, Georgia Institute of Technology.
12. Computational models of comprehension of TOEFL tests. Natural Language and Reasoning research group, Georgia Institute of Technology.

CONFERENCES/WORKSHOPS ORGANIZED

KAnOE events:

20 May 2013	KAnOE Inauguration	By Dr. Pankaj Chandra, Director, IIM-Bangalore and Dr. H. S. Jamadagni, IISc.
25 May 2013	Introduction to Knowledge Analytics and Ontological Engineering	One Day Workshop
27-28 Jun 2013	Empirical Analytics: Issues and Methodologies	Two Day Workshop
26 Jul 2013	Informetrics: Measuring the Output of Research	One Day Workshop
08 Aug 2013	Categories for the Web: Towards a Semantic Web	One Day Workshop on the occasion of the Birthday of Dr. S. R. Ranganathan, in association with the Sarada Ranganathan Endowment for Library Science.
26 Aug 2013	Ontology for Sanskrit Processing	Half-day workshop in association with CDAC, Bangalore
26-27 Sep 2013	Two-Day Faculty Development Workshop on Ontological Engineering	Organized in collaboration with VIT at VIT-Chennai campus.
18-19 Nov 2013	Short Term Training Programme on Automata Theory	In association with Mumbai University, at Fr. Agnel College, Navi Mumbai
27 Nov 2013	One Day Tutorial on Ontological Engineering	At International Conference on Digital Libraries - ICDL-2013, New Delhi, in association with The Energy Research Institute-TERI

03 Dec 2013	Information Management Day and International Workshop on Visual Text Analytics	Also, Endowment Lecture on Methods of Knowledge and Release of Golden Jubilee Special Issue of the Journal of Information Management, in association with the Sarada Ranganathan Endowment for Library Science.
13-14 Dec 2013	Workshop on Ontological Structures for Language Processing	In association with CDAC, Bangalore
07 Feb 2014	Workshop on Explorations in Knowledge Analytics	One Day Workshop
17-19 Feb 2014	Intensive Course on Ontological Engineering and OWL	Three Day Workshop
28 Feb 2014	Workshop on Geospatial Analytics	One Day Workshop
12-13 May 2014	Youth Research Camp	Two Day Workshop
13 Nov 2014	PES Ullekha Maalaa	Launch of One Million Kannada Wiki Pages
13 Jan 2015	Knowledge Analytics in Corporate Sector	One Day Workshop
3-4 Feb 2015	Endowment Lectures - 1.Digital Libraries: Redefining Boundaries and perceptions 2.Character and Organization of Knowledge Society	Endowment Lectures in association with Sarada Ranganathan Endowment for Library Science
9-10 Mar 2016	Data Science and Analytics	Two-day conference

Other Events:

1. Alan Turing Birth Centenary Conference, PESIT, Bangalore, 22-23 June, 2012.
2. International Society for Knowledge Organization, ISKO-2012, Mysore, India, August, 2012.
3. Intel Youth Enterprise workshop, PESIT, Bangalore, 23-25 September, 2012.
4. Knowledge Technologies for the Web, PESIT, Bangalore, 2010.
5. Faculty Development Programme on Finite Automata and Formal Languages, PESIT, Bangalore, 2011.
6. This Business of Music, Creativity and Innovation Platform of Karnataka, 2010.
7. National Conference on Unstructured Data Management, PESIT, Bangalore, 2006.
8. AAAI Spring Symposium on Natural Language Processing for the World Wide Web, Stanford University, CA, USA, March 1997.

COUNTRIES VISITED

1	Australia	8	France	15	Singapore
2	Austria	9	Germany	16	Switzerland
3	Belgium	10	Hong Kong	17	Taiwan
4	Brazil	11	Italy	18	Thailand
5	Canada	12	Liechtenstein	19	USA
6	Czech Republic	13	Mexico		
7	England	14	Poland		

Recognition/Keynotes/Invited Talks (Selected)

1. Invited to deliver the 23rd Annual Dr. L. S. Chandrakanth Memorial Lecture, ISTE Convention, 8th December 2012. Topic: *Redefining the Role of an Engineering Teacher*.
2. Invited to deliver Dr. S. R. Ranganathan Memorial Lecture - Series 15 - on *Trends in Knowledge Representation and Management: A Unifying Model*, Sarada Ranganathan Endowment for Library Sciences, Bangalore on 9th, 10th and 11th August 2009.
3. Gave the Chairperson's address on *Managing the Demand and Supply of Knowledge in India* at the 2nd National Frontiers of Engineering Symposium of the Indian National Academy of Engineering at the Indian Institute of Technology, Delhi, on 01 April, 2007.
4. Invited talk at the Alan Turing Birth Centenary Celebration, July 20, 2012, Infosys, Bangalore.
5. At the US *National Institute of Standards and Technology*, Natural Language Processing and Information Retrieval division, Gaithersburg, MD, "Oracle at TREC8: A Lexical Approach", Nov. 18, 1999.
6. At the US *National Security Agency, Department of Defense*, Fort Meade, MD, "Dynamic Selectional Constraints for Word Sense Ambiguity and Non-Literal Expressions," Mar. 5, 1996 (with Sergei Nirenburg and Stephen Beale).
7. At the US *National Security Agency, Department of Defense*, Fort Meade, MD, "Ontology: Semantic Classification for Natural Language Processing," Computational Linguistics Research Seminar series, Dec. 6, 1995.
8. At the US *National Institute of Standards and Technology*, Intelligent Systems Division, Gaithersburg, MD, "Ontology Development," Dec. 7, 1995 (with Sergei Nirenburg).
9. At the *Department of Computer Science and Automation, Indian Institute of Science*, Bangalore, India, "Multilingual Information Processing: Research, Techniques, and Tools," Jan. 2, 1996.
10. At *Sun Microsystems Laboratory*, Chelmsford, MA, "Reaping the Benefits of Interactive Syntax and Semantics," July 19, 1994.
11. At the College of Computing, Georgia Institute of Technology, "Computer literacy i.e., making computers literate," *Five minute madness talk*, February 18, 1993.
12. At *Science Applications International Corporation*, Atlanta, GA, "Machine Translation by Understanding Languages," May 28, 1992.
13. Invited talk at the International Panel on Frugal Engineering, Innovation and Product Design for Local Conditions at CEDT, IISc, for visiting faculty and students from EPFL, Switzerland, 22 Aug 2014.

14. Invited to deliver half-day workshop on Internet Technologies at CEDT, IISc for a visiting delegation from Europe, 7 Jun 2010.
15. Invited talk at Ericsson Research Labs, Bangalore India: *Quantifying Knowledge Management: From Measurements to Analytics*, 27 Aug 2014.
16. Invited talk at Knowledge Management workshop by University of Maryland at XIME, Bangalore: *Knowledge Analytics*, 8 Aug 2014.
17. Guest lecture given, "Knowledge Management" at Indian Institute of Management, Bangalore, on 15/7/2006, as a part of the IIM-B PGSEM program.
18. Invited to deliver Inaugural Address on *Data: Big Science or Big Hype?* IEEE Students Chapter, PES University, 11 Aug 2015.
19. Invited talk on *Vedic Ontology* at Veda Samvada Conference, Bharatiya Vidya Bhavan and ISKCON, 27 July 2013, Bangalore.
20. Invited talk at the World Ramayana Conference, Bangalore on *Ramayana Research Through Knowledge Analytics*, 24 Jan 2015.
21. Invited Tutorial at International Conference on Digital Libraries, ICDL-2013, 27 Nov 2013 on *Ontological Engineering* at TERI, New Delhi, India.
22. Invited tutorial on *Categories for the Web* at the 12th Conference of the International Society for Knowledge Organization, ISKO-2012, 6 Aug 2012, Mysore, India.
23. Keynote talk on "Managing Semantic Data" at NAELIN-2014, 17th National Conention on Knowledge, Library and Information Networking, Dec 8-10, Pondicherry, India.
24. Gave an invited talk on *Knowledge Management: The Infosys Experience* at the DAE Meet, Nuclear Power Corporation of India Ltd. in Mumbai on February 28, 2008.
25. Invited to an international brainstorming session on E-Learning at Microsoft Research, Bangalore on 10th August. 2012.
26. Invited talk on *Is Computing a Science* at the Workshop on Science, Technology and Environment, Karnataka Science and Technology Academy, April 25, 2012, Bangalore.
27. Invited panel speaker on Trends in Knowledge Sharing at the CII Knowledge Summit – 2012, Confederation of Indian Industry, Bangalore.
28. Invited to deliver a series of 15 lectures on knowledge management at the Documentation Research and Training Centre, Indian Statistical Institute, Bangalore yearly from 2007 to 2011.
29. Gave an invited talk on *The Role of KM in the Growth of the Indian IT Industry* to a visiting delegation from the University of Minnesota at the Indian Institute of Science, Bangalore on April 3, 2008.
30. Delivered an invited talk on the *Role of Knowledge in the Growth of the Indian IT Industry* to a visiting delegation from Singapore at the Indian Institute of Science, Bangalore on May 19 and again on June 17, 2009.
31. Invited to speak in a panel discussion on creativity and innovation management at the Bangalore K-Community meeting, April 2011.
32. An article "Taming the info monster" with quotes from Dr. Kavi Mahesh was published in *Financial Express* on 14 January, 2008.
33. Invited demonstration on Ontology at the workshop on *Epistemological Framework for Traditional Knowledge Systems* organized by the Knowledge Commission, Government of Karnataka on 30th July 2012, held at Jain University, Bangalore.
34. Presiding remarks on Endowment Lectures In association with the Sarada Ranganathan Endowment for Library Sciences on Transformation of Bibliographic Control in Information Repositories: Bibliographic Description and Standards for Monographs by Dr. T. Kanti Srikantaiah, University of Maryland, College Park, USA at KAnOE, PES University, Tue, 18 March 2014. Permanent residence in the USA ("green card") awarded under the *Outstanding Researcher* category.

35. Organized a one-week workshop on *Knowledge Technologies for the Web*, between March 22-26, 2010 sponsored by the Vision Group on Science and Technology, Department of IT, BT and Science and Technology, Government of Karnataka.
36. Latha A., Dr. J. K. Suresh and Dr. Kavi Mahesh conducted a One-Day Workshop, *Master Class on Measuring KM in Projects: Methodology and Experience* during Knowledge Management KM-India 2009, Confederation of Indian Industry, October 2009, Chennai India.
37. Delivered a half-day tutorial on "Web 2.0 and Library 2.0" for the UGC Faculty Development Program conducted at the UGC Staff Training College, University of Mysore.
38. Invited to participate as a member of the Karnataka delegation in the *Creativity World Forum* held in December 2009 in Baden-Wurttemberg, Germany.
39. Invited to a panel discussion with Mr. M. D. Pai, Dr. Sadagopan and others on Education in Science and Engineering, organized by the DNA newspaper on 31/12/2009.
40. Chair of the Session on KM technology at Knowledge Management KM-India 2008, Confederation of Indian Industry, November 2008, Mumbai India.
41. Invited participant at the International Workshop on the History of Classical Indian Sciences at the National Institute of Advanced Studies (NIAS) and Poornaprajna Institute for Advanced Scientific Research, Bangalore.
42. Gave an invited talk *Introduction to Ontology* at the International Workshop on Ontology at the Documentation Research and Training Centre, Indian Statistical Institute, Bangalore. Also gave a demonstration of building an ontology using Altova Semantic Works on March 19, 2008.
43. Made an invited presentation on Knowledge Management to the Swiss Development Agency, Embassy Switzerland at The Energy and Resource Institute (TERI), Bangalore on April 19, 2008.
44. Gave an invited talk on *The Role of Knowledge in the New Economy* at Nightingales, Bangalore on June 6, 2008.
45. Delivered a tutorial on *Knowledge Mapping for KM in Society* at the Knowledge Management in the Brick Sector workshop held at The Energy and Resource Institute (TERI) campus, New Delhi on June 9-10, 2008.
46. Gave an invited talk on *Knowledge Management: How* at the Indian Statistical Institute, Karnataka Chapter Meet in Bangalore on June 20, 2008.
47. Gave an invited talk *Organizing Knowledge for Enterprise KM* at the International Conference on Knowledge Organization (IKONE) in Bangalore. September 4, 2007.
48. Spoke as an invited panelist in the panel discussion on *The Future of Knowledge Organization in the Networked Environment* at the International Conference on Knowledge Organization (IKONE) in Bangalore. September 5, 2007.
49. Spoke as an invited panelist on *Technology to Harness Knowledge in the Connected World* at the CII-KM-India international conference in Delhi on November 14, 2007.
50. Spoke at the KM Unconference (Bar Kamp) in Bangalore on November 24, 2007.
51. Anchored the panel discussion on *Social Networking and the Semantic Web* at the Infovision-2007 international conference in Mumbai on December 17, 2007.
52. Talk given, "Ten Steps to Maturity in Knowledge Management: Overview of the Book", at Infosys Technologies Ltd., Bangalore, on 6/6/2006, as a part of Knowledge Day at Infosys.
53. Talk given, "Ten Steps to Maturity in Knowledge Management", at Indian Institute of Science, Bangalore, on 21/6/2006, as a part of the Bangalore Knowledge Management Forum.
54. Invited speaker at a panel discussion on "Role of corporate sector in management education", COSMAR-2006 international conference at IISc, Bangalore, 22/09/2006.
55. Jury panel member for best paper award at COSMAR-2006 international conference, IISc, Bangalore, 22/09/2006.

56. Gave a talk on "Knowledge Management" to CEO/CTO of Hewlett Packard, Bangalore, 22/09/2006.
57. Gave a talk on *Challenges for Librarians in the Digital Age* during National Library Week at Infosys, 17 Nov. 2006.
58. Invited for a discussion on knowledge management at TESCO India, Bangalore.
59. Invited to lunch with Mr. N. R. Narayana Murthy, Chief Mentor, Infosys Technologies and Dr. Rory Chase, MD, Teleos Inc., on 28/09/2006.
60. Invited to a discussion on knowledge management at Perot Systems, Bangalore on 12/10/2006.
61. Best technical paper award in the Student Paper Competition sponsored by Science Applications International Corporation, May 1992. The award included an invited speech, a citation, and US \$500.
62. Elected member of *The Honor Society of Phi Kappa Phi*.
63. National Merit Scholarship awarded by the Government of India throughout undergraduate education (1980-1987).
64. First rank for Bangalore University, India, in Bachelor of Engineering degree.
65. Ninth rank in the SSLC public examination for the State of Karnataka, India (9th rank out of 160,000 students).

See also:

Profile: <http://in.linkedin.com/in/kavimahesh>

Publications: <http://publicationslist.org/kavi.mahesh>

ResearchGate: http://www.researchgate.net/profile/Kavi_Mahesh

Citation Profile: <http://scholar.google.co.in/citations?user=ZVQV4CAAAAAJ&hl=en>

Research web sites: <http://www.kanoe.org>

Other Interests:

Indian philosophy, Indian astronomy, Indian Linguistics and traditional knowledge.

Languages

- English (Native or bilingual proficiency)
- Kannada (Native or bilingual proficiency)
- Sanskrit (Elementary proficiency)
- Hindi (Limited working proficiency)