

## ***G. Shankaranarayanan (Shankar)***

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*Asst. Professor of Information Management  
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### ***EDUCATION***

- **Doctor of Philosophy**  
Eller School of Management, University of Arizona, December 1998.  
**Major:** Management Information Systems; **Minor:** Computer Science
- **Master of Science in System Science**  
Louisiana State University, 1990
- **Master of Science in Industrial Engineering**  
Louisiana State University, 1988
- **Master of Engineering in Industrial Engineering**  
Anna University, India, 1987
- **Bachelor of Engineering in Mechanical Engineering,**  
Madras University, India, 1985

### ***RESEARCH INTERESTS***

Models and application of metadata for data management, schema evolution in databases, utility of data and implications for data design and data quality management, metadata management for decision support, metadata requirements for data warehouses, data quality management and data security.

### ***TEACHING INTERESTS***

Database systems, analysis and design of information systems, data analytics for decision-making, search engine optimization & search engine marketing, applied operations management, AI/expert systems for managerial decision-support, introductory information systems and IT for management.

### ***WORK EXPERIENCE***

- **September 2009 – Present: Assistant Professor of Information Management, Technology, Operations and Information Management, Babson College**

#### **COURSES TAUGHT:**

MIS 3690 – Web Technologies  
FME 1000 – Foundations of Management and Entrepreneurship (FME)

- **September 1998 – August 2009: Assistant Professor of Information Systems, Boston University School of Management, Boston University**

**COURSES TAUGHT:**

IS 323 – The IS component of Cross Functional Core (Undergraduate)  
 IS 465 – Introduction to Data Management (Undergraduate)  
 IS 369/469 – Designing Information Systems (Undergraduate)  
 IS 706 – Analysis and Design of Information Systems (Graduate MS/MBA)  
 IS 883 – Databases and Data Management Systems (Graduate MS/MBA)  
 IS 717 – IT Applications in Management (Graduate MS/MBA)

- **August 1993 – July 1998: Graduate Instructor, Department of Management Information Systems, Eller School of Management, University of Arizona.**  
*Taught MIS courses from 1994 - courses taught include Database systems and Introduction to Operations Management.*

**Spring 1995: Teaching assistant for the graduate level database systems course (MIS 531B).** Responsibilities included instructing students in the use of Sybase System 10 RDBMS, interactive SQL, and application development using Sybase APIs.

**Fall 1997: Teaching assistant for the graduate level advanced database systems course (MIS 696G) and the MBA-level database course (MIS 555).** Instructed students on the use of Oracle 7.3 RDBMS including interactive SQL and application development using SQL \* Forms 3.0 and web-based applications.

- **November 1992 - July 1993: Technical Support Consultant, Oracle Systems (SEA) Singapore.**
  - ◆ Responsible for installing and maintaining ORACLE RDBMS on a variety of platforms including UNIX, VAX Clusters, Siemens mainframe, each with MS-DOS, MS-Windows, and OS/2 clients. Used Novell Netware for networking.
  - ◆ Served as a design consultant for designing and developing information systems using Oracle on all above-described platforms.
  - ◆ Taught courses on Oracle products - SQL\*Plus, SQL\*Forms, SQL\*Reportwriter, and Pro\*C to data management professionals, executives, and consultants from other businesses/firms in Singapore.
- **January 1991 - October 1992: Senior Systems Analyst, Tata Consultancy Services, Chennai, India.**
  - ◆ Responsible for sales, installation, and post-sales support of Oracle and related products.
  - ◆ Taught training courses for TCS consultants in Oracle 6.0 and Oracle products.
  - ◆ Taught UNIX programming to professional developers and consultants.
  - ◆ **Project Leader** - systems development for a Loan Accounting System for the Tamil Nadu state Industrial Investment Corporation (THIC).

- ◆ **Project Leader** - in charge of designing a system for a library of engineering drawings at the R&D division of Lucas TVS, Chennai, India.
- **1988 - 1990: Graduate Instructor**, Department of Information Systems and Decision Sciences, Louisiana State University
  - *Responsible for designing and teaching information systems courses such as introductory information systems and data management and file organization.*
- **1987 - 1988: Teaching Assistant**, Department of Industrial and Manufacturing Systems, Louisiana State University
  - *Responsible for designing and teaching laboratory sessions for courses (Design and Analysis of Industrial Systems & Introduction to Manufacturing Automation).*

## **HONORS AND AWARDS**

- **Recipient - Computer World Honors Laureate** (Education and Academia category) from Computer World (<http://www.cwhonors.org/>) for the innovative use of technology in curriculum in the MS. MBA program at Boston University School of Management, Washington DC, June 2008.
- **Nominee** – ICIQ 2008 Stuart Madnick Best Paper Award at the International Conference on Information Quality (ICIQ 2008), Boston, MA, November 2008.
- **Finalist - ECIS 2008 Best Paper Award** at the European Conference on Information Systems, Galway, Ireland, June 2008.
- **Recipient - WITS 2007 Best Paper Award** at the Seventeenth Annual Workshop on Information Technologies and Systems, Montreal, Canada, December 2007.
- **Recipient - Stuart Madnick Best Paper Award** at the International Conference on Information Quality (ICIQ 2007), Boston, MA 2007, November 2007.
- Boston University School of Management Junior Faculty Research Grant – co-recipient (with Bin Zhu), 2005-06.
- **Nominee** - Nominated for the AMCIS 2003 Best Paper Award at the Americas Conference on Information Systems (AMCIS 2003), Tampa, FL, 2003.
- Boston University School of Management Junior Faculty Research Grant – co-recipient (with P. R. Balasubramanian), 2002-03.
- **Recipient** - Boston University School of Management **Broderick Award** for Excellence in Teaching in the Undergraduate program – May 2002.
- **Recipient** - Boston University School of Management **Broderick Award** for Excellence in Teaching in the Graduate program – May 2002.

- **Recipient** - Boston University School of Management **Broderick Award** for Service to the Graduate Programs – May 2002.
- **Winner** - Best Student Paper Award (with Amy LaMeyer), LISA-NT, July 2000.
- **Nominee** - HICSS 1999 Best Paper Award in the research track on "Modeling Technologies and Intelligent Systems" at Hawaii International Conference on System Sciences, Maui, 1999.
- **Doctoral Fellow** – Selected for and participated in the Ernst & Young Doctoral Consortium (40 best dissertations selected from all over the world), hosted by the International Conference on Information Systems (ICIS), Atlanta, Georgia, 1997.
- Graduate Registration Scholarships: Awarded on Merit by the Department of Management Information Systems, Eller School of Management, The University of Arizona, 1993-4, 1994-5, and 1996-7.
- Graduate Registration Scholarship: Awarded on Merit by the Graduate College, The University of Arizona, 1995-6.

## **PUBLICATIONS**

### **ARTICLES IN REFEREED JOURNALS**

- ❖ Even, A. and Shankaranarayanan, G. (2009) *Dual Assessment of Data Quality in Customer Databases*, (forthcoming) – ACM Journal of Data and Information Quality.
- ❖ Even, A. and Shankaranarayanan, G. (2009) *Utility Cost Perspectives in Managing Data Quality*, (forthcoming) – Journal of Computer Information Systems.
- ❖ Watts, S., Shankaranarayanan, G., and Even, A. (2009) *Data Quality Assessment in Context: A Cognitive Perspective*, Decision Support Systems, Vol. 48, 2009, pp. 202-211.
- ❖ Even, A., Shankaranarayanan, G. and Berger, P. D. (2009) *A Decision Analysis Approach for Optimizing Design Alternatives in Information Systems* – Advances in Management, Vol. 2, No. 10, October 2009, pp. 31-37.
- ❖ Gaynor, M. and Shankaranarayanan, G. (2008) *Implications of Sensors and Sensor-Networks for Data Quality Management*, International Journal of Information Quality, Vol. 2, No. 1, pp. 75-93.
- ❖ Cai, Y. and Shankaranarayanan, G. (2007) *Managing Data Quality in Inter-Organizational Data Networks*, International Journal of Information Quality, Vol. 1, No. 3, 2007, pp. 254-271.

- ❖ Even, A., Shankaranarayanan, G. and Berger, P. D. (2007) *Economics-Driven Data Management: An Application to the Design of Tabular Datasets*, IEEE Transactions on Knowledge and Data Engineering, Vol. 19, No. 6, June 2007, pp. 818-831.
- ❖ Even, A. and Shankaranarayanan G. (2007) *Utility-Driven Assessment of Data Quality*, The DATA BASE for Advances in Information Systems – ACM SIGMIS Journal, Vol. 38, No. 2, May 2007, pp. 75-93.
- ❖ Even, A. and Shankaranarayanan, G. (2007) *Utility-Driven Configuration of Data Quality in Data Repositories*, International Journal of Information Quality, Vol. 1, No. 1, 2007, pp. 22-40.
- ❖ Gaynor, M., Myung, D., Hashmi, N., Shankaranarayanan, G. and Moulton, S. (2007) *An Intelligent Pre-Hospital Patient Care System*, International Journal of Electronic Healthcare, Vol. 3, No. 1, 2007, pp. 107-122 .
- ❖ Iyer, B., Shankaranarayanan, G. and Wyner, G. (2006) *Process Coordination Requirements: Implications for the Design of Knowledge Management Systems*, Journal of Computer Information Systems, Volume XLVI, No. 5, 2006, pp. 1-13.
- ❖ Shankaranarayanan, G., Watts, S. and Even, A. (2006) *The Role of Process Metadata and Data Quality Perceptions in Decision Making: An Empirical Framework and Investigation*, Journal of Information Technology Management, Vol. XVII, No. 1, 2006, pp. 50-67.
- ❖ Shankaranarayanan, G. and Cai, Y. (2006) *Supporting Data Quality Management in Decision Making*, Decision Support Systems, Vol. 42, 2006, pp. 302-317.
- ❖ Shankaranarayanan, G. and Even, A. (2006) *Metadata: A Great Promise or a Sisyphean Torture*, Communications of the Association of Computing Machinery (CACM), Vol. 49, No. 2, 2006, pp. 88-94.
- ❖ Shankaranarayanan, G. (2005) *Towards Implementing Total Data Quality Management in Data Warehouses*, Journal of Information Technology Management, Vol. XVI, No. 1, 2005, pp. 21-30.
- ❖ Iyer, B., Shankaranarayanan, G. and Lenard, M. (2005) *Model Management Decision Environment: A Web-Service Prototype for Spread Sheet Models*, Decision Support Systems Journal, Vol. 40, No. 2, 2005, pp. 283-304.
- ❖ Shankaranarayanan, G. and Even, A. (2004) *Managing Metadata in Data Warehouses: Pitfalls and Possibilities*, Communications of the Association of Information Systems (CAIS), Vol. 14, No. 13, 2004, pp. 1-49.

- ❖ Shankaranarayanan, G., Ziad, M. and Wang, R. Y. (2003) *Managing Data Quality in Dynamic Decision Environments: An Information Product Approach*, Journal of Database Management, Vol. 14, No. 4, 2003, pp. 14-32
- ❖ Chen, H., Shankaranarayanan G., Iyer, A. and She, L. - *A Machine Learning Approach to Inductive Query by Examples - An Experiment Using Relevance Feedback, ID3, Genetic Algorithms and Simulated Annealing*, Journal of the American Society for Information Science (JASIS), vol. 49, no. 8, June 1998, 693-705.

### **CHAPTER IN REFEREED BOOKS**

- ❖ Shankaranarayanan, G. and Even, A. (2009) *Measuring Data Quality in Context*, in the book “Handbook of Research on Innovations in Database Technologies and Applications”, , Edited by Ferraggine, V. E., Doorn, J. H. and Rivero, L. C., Database and Signal Processing Research Group, INTIA - Institute of Advanced Informatics Technology Research, Universidad Nacional del Centro de la Pcia,de, Argentina.
- ❖ Even, A., Shankaranarayanan, G. and Berger, P. D. (2008) *The Impact of Utility/Cost Tradeoffs on the Design of Data Management Environments*, in the book “Handbook of Research on Modern Systems Analysis and Design Technologies and Applications” , Edited by Syed, M. and Syed, S., Minnesota State University, Idea Group Reference (IGR), July 2008.
- ❖ Shankaranarayanan, G. and Even, A. (2006) *Managing Metadata for Complex Decision Support*, in the book “Processing and Managing Complex Data for Decision Support”, Edited by Jerome Darmont and Omar Boussaid, University of Lyons, France, Idea Group Publishing, 2006, pp. 153-184.

### **INVITED ARTICLES (not refereed)**

- ❖ Shankaranarayanan, G., Ziad, M. and Wang, R. Y. (2009) – *Managing Data Quality in Dynamic Decision Environments: An Information Product Approach* - JDM 2003 paper invited as a book chapter in Advanced Readings in Information Quality (ARIQ – Part I - forthcoming) – edited by Wang, R. Y., Gelman, I. A. and Lee, Y., pp. 112-130.
- ❖ Shankaranarayanan, G. and Even A., (2008) *Synergistic Benefits of Dual Assessment of Data Quality*, Journal of the Institute of Scientific and Technical Information for Cooperation, Vol. 1, No. 4., November 2008
- ❖ Shankaranarayanan, G and Iyer, B. (2008) *Managing Knowledge for Decision Support in the Digital Enterprise*, Effective Executive (Journal of the Institute of Chartered Financial Accountants of India (ICFAI), Vol. XI, No. 6, June 2008, pp. 30-36 (Invited article)

- ❖ Shankaranarayanan, G. and Wang, R. (2007) *IPMAP – Current State and Research Directions*, in the proceedings of the International Conference on Information Quality (ICIQ 2007), Boston, MA, November 2007.
- ❖ Shankaranaryanan, G. and Even, A (2006) – *El Enigma de los MetaDatos – Translation of the CACM article on Metadata for instructional use by Luis Antonio Alvarez Oval of Universidad Autonoma de Chiapas.*

### **PAPERS UNDER REFEREED JOURNAL REVIEW**

- ❖ Even, A., Shankaranarayanan, G. and Berger, P. D. – *Inequality in Utility of Customer Data: Implications for Data Administration and Data Usage (Journal of Database Marketing and Customer Strategy Management).*
- ❖ Even, A., Shankaranarayanan, G. and Berger, P. D. – *Utility-based Design of Data Repositories for CRM (Journal of Interactive Marketing – accepted with conditions).*
- ❖ Even, A., Shankaranarayanan, G. and Berger, P. D. – *A Design Science Evaluation of a Model for Optimizing the Design of Large Datasets (Decision Support Systems).*
- ❖ Even, A., Shankaranarayanan, G., and Berger, P. D. – *Optimizing Information System Configurations under Uncertainty: A Decision Analysis Approach (Journal of Database Management).*

### **MANUSCRIPTS IN PREPARATION**

- ❖ Zhu, B., Shankaranarayanan, G. and Cai, Y. – *Integrating Data Quality Metadata into Structured Decision-Making: The Impact of Task Complexity and Decision Experience (first submission).*
- ❖ Shankaranarayanan, G., Even, A. and Berger, P. D. – *Inequality in Utility of Data: A Theoretical Model, Empirical Analysis, and Managerial Insights (first submission).*
- ❖ Shankaranarayanan, G. and Even, A. – *Architecting Data for Maximizing Economic Benefits (first submission).*
- ❖ Shankaranarayanan, G. and Ram, S. *Schema Evolution: Past, Present, and Future (revision for resubmission).*
- ❖ Ram, S. and Shankaranarayanan, G., *Automating Dynamic Schema Evolution in a Heterogeneous Database Environment: Possibility or a Pipe dream? (revision for resubmission).*
- ❖ Shankaranarayanan, G., Zhu, B. and Cai, Y. – *SPIDEV: A Special Purpose interface for Interactive Decision Evaluation using Visualization (first submission).*

## **ARTICLES IN REFEREED CONFERENCES**

- ❖ Shankaranarayanan, G., Zhu, B. and Cai, Y. (2009) “DQ Metadata for Decision Making: Pitfalls and Possibilities”, *in the proceedings of COINFO 2009 (International Conference on Information for Cooperation)*, Beijing, China.
- ❖ Even, A., Shankaranarayanan, G. and Berger, P. D. (2009) “Inequality in Utility of Customer Data”, *in the proceedings of the Direct / Interactive Marketing Research Summit*, Las Vegas, NV, U. S. A.
- ❖ Shankaranarayanan, G, Zhu, B. and Cai, Y. (2009) “Visualizing Data Quality Metadata for Decision Support”, *in the proceedings of the Americas Conference on Information Systems (AMCIS 2009)*, San Francisco, CA, U. S. A.
- ❖ Even, A., Shankaranarayanan, G. and Berger, P. D. (2009) “Tradeoffs in Managing the Quality of Marketing Data”, *in the proceedings of the Americas Conference on Information Systems (AMCIS 2009)*, San Francisco, CA, U. S. A.
- ❖ Shankaranarayanan, G., Zhu, B. and Cai, Y. (2008) “Decision Support with Data Quality Metadata”, *in the proceedings of the International Conference on Information Quality (ICIQ 2008)*, Boston, MA, U. S. A. (***nominated for best paper***).
- ❖ Even, A. and Shankaranarayanan, G. (2008) “Comparative Analysis of Data Quality and Utility Inequality Assessments”, *in the proceedings of the European Conference on Information Systems (ECIS)*, Galway, Ireland. (***finalist for best paper***).
- ❖ Even, A., and Shankaranarayanan, G. (2008) “Impartial versus Utility-driven Assessments of Data Quality: Methodology, Insights, and Implications for CRM”, *in the proceedings of the International Conference on Industrial Logistics (ICIL)*, Tel Aviv, Israel.
- ❖ Even, A., Shankaranarayanan, G. and Berger, P. D. (2008) “Managing Data Quality and Time Span Coverage for CRM”, *in the proceedings of the Direct / Interactive Marketing Research Summit*, Las Vegas, NV, U. S. A.
- ❖ Even, A., Shankaranarayanan, G. and Berger, P. D. (2007), *Inequality in Utility of Data and its Implications for Data Management*, in the Proceedings of the Seventeenth Annual Workshop on Information Technology and Systems (WITS 2007), Montreal, Canada. (***Received the WITS 2007 Best Paper Award***).
- ❖ Even, A. and Shankaranarayanan, G. (2007), *Differentiating between Impartial and Utility-Driven Quality Assessments in Large Datasets*, in the Proceedings of the International Conference on Information Quality (ICIQ 2007), Boston, MA, U.S.A. (***Received the Stuart Madnick Best Paper Award***).

- ❖ Even, A., Shankaranarayanan, G. and Berger, P. D. (2007) *Economics Driven Design of a Data Warehouse*, to appear in the Proceedings of the Design Science Research in Information Systems and Technology (DESRIST 2007), Claremont, CA, U.S.A.
- ❖ Zhu, B., Shankaranarayanan, G. and Cai, Y. (2007) *Integrating Data Quality Data into Decision Making Process: An Information Visualization Approach*, to appear in the Proceedings of the 12<sup>th</sup> International Conference on Human-Computer Interaction (HCI 2007 International), Beijing, Peoples Republic of China.
- ❖ Even, A., Shankaranarayanan, G. and Berger, P. D. (2006) *Data Warehouse as a Dynamic Capability: Utility-Cost Foundations and Implications for Economically-Driven Design*, In the Proceedings of the International Conference on Information Systems (ICIS 2006), Milwaukee, WI, U.S.A.
- ❖ Even, A. and Shankaranarayanan, G. (2006) *Not all Data are Equal: Inequality in Utility and Implications for Data Management*, in the International Conference on Information Quality (ICIQ 2006), Boston, MA, U.S.A.
- ❖ Even, A. and Shankaranarayanan, G. (2006) *Modeling and Maximizing the Economic Performance of Data Repositories*, in the Proceedings of the 12<sup>th</sup> Americas Conference on Information Systems (AMCIS 2006), Acapulco, Mexico.
- ❖ Shankaranarayanan, G. and Even, A. (2006) *A Value Driven Model for Data Manufacturing: An Application for Optimal Error Correction Policies*, In the Proceedings of the IRMA Conference (IRMA 2006), Washington DC, U.S.A.
- ❖ Even, A., Shankaranarayanan, G. and Berger, P. D. (2006) *Economics based Design for Data Management*, In the Proceedings of the Design Science Research in Information Systems and Technology (DESRIST), Claremont, CA, U.S.A.
- ❖ Even, A., Shankaranarayanan, G. and Watts, S. (2006) *Enhancing Decision Making With Process Metadata: A Theoretical Framework, Research Tool, and Exploratory Examination*, In the Hawaii International Conference on System Sciences (HICSS 39), Kauai, HI, U.S.A.
- ❖ Even, A., Shankaranarayanan, G. and Berger, P. D. (2005) *Profit Maximization with Data Management Systems*, In the Proceedings of the International Conference on Information Systems (ICIS 2005), Las Vegas, NV, U.S.A.
- ❖ Shankaranarayanan, G. and Even, A. (2005) *Assessing Data Quality: A Value Driven Approach*, In the Proceedings of the International Conference on Information Quality (ICIQ), Boston, MA, U.S.A.

- ❖ Shankaranarayanan, G. and Cai, Y. (2005) *A Web Service Application for Data Quality Management in the B2B Networked Environment*, In the proceedings of the Hawaii International Conference on System Sciences (HICSS 38), Big Island, HI, U.S.A.
- ❖ Even, A. and Shankaranarayanan, G. (2004) *Managing Metadata in Complex Decision Environments*, in the proceedings of the Decision Sciences Institute Conference, Boston, MA, U.S.A.
- ❖ Cai, Y. and Shankaranarayanan, G. (2004) *A Framework for Defining Data Quality Standard for the B2B Information Interchange*, in the refereed proceedings of the Americas Conference on Information Systems (AMCIS), New York, NY, U.S.A.
- ❖ Shankaranarayanan, G. and Gaynor, M. (2004) *Sensor Data and Managing Data Quality in Sensory Network Applications*, in the refereed proceedings of the Americas Conference on Information Systems (AMCIS), New York, NY, U.S.A.
- ❖ Shankaranarayanan, G. and Watts, S. (2003) *A Relevant Believable Approach for Data Quality Assessment*, in the Proceedings of the International Conference on Information Quality (ICIQ), Boston, MA, U.S.A.
- ❖ Shankaranarayanan, G., Cai, Y. and Ziad, M. (2003) *Evaluating the Completeness of an Information Product*, Proceedings of the Americas Conference on Information Systems (AMCIS), Tampa, FL, U.S.A. (***nominated for the best paper***).
- ❖ Balasubramanian, P. R. and Shankaranarayanan, G. (2002) *Architecting Decision Support for the Digital Enterprise – A Web Services Perspective*, Proceedings of the Americas Conference on Information Systems (AMCIS), Dallas, TX., U.S.A.
- ❖ Shankaranarayanan, G., Balasubramanian, P. R. and Wang, R. Y. (2001) *Tracking Information Product Flows in the Mobile Patient Service Supply Chain- A Real-Vision Approach*, Proceedings of the Information Quality Conference (ICIQ), Boston, MA., U.S.A.
- ❖ Shankaranarayanan, G. (2001) *Managing Changes to Data Sources in a Data Warehousing Environment*, Proceedings of Americas Conference on Information Systems (AMCIS), Boston, MA., U.S.A.
- ❖ Shankaranarayanan, G., Wang, R. Y. and Ziad, M. (2000) *IPMAP: Representing the Manufacture of an Information Product*, Proceedings of the Information Quality Conference (IQ2000), Boston, MA., U.S.A.
- ❖ LaMeyer, A., Shankaranarayanan, G. and Johansson, J. M. (2000) *On Designing a Database for Integrated User Management: Pitfalls and Possibilities*, Proceedings of the LISA-NT Conference, Seattle, WA., U.S.A. (***Winner USENIX Association Best Student Paper Award***).

- ❖ Shankaranarayanan, G., Iyer, B. and Kang, C. (2000) *Conceptualizing Architectures for E-Business*", Proceedings of the Americas Conference on Information Systems (AMCIS), Long Beach, CA., U.S.A.
- ❖ Ram, S. and Shankaranarayanan G. (1999) *Modeling and Navigation of Large Information Spaces: A Semantics-Based Approach*, Proceedings of the Hawaii International Conference on System Sciences (HICSS-32), Maui, HI., U.S.A. *(nominated for the best paper)*.
- ❖ Ram, S., Shailaja, V., Shankaranarayanan G., Dickinson, R., Sorooshian, S. and Marsh, S. (1997) *Semantics-Based Approach For Managing Remote Sensing Data in a Heterogeneous Distributed Environment*, Proceedings of International Society for Photogrammetry and Remote Sensing (ISPRS) Joint Workshop, Boulder, CO., U.S.A.
- ❖ Ram, S. and Shankaranarayanan G. (1996) *A Methodology for Dynamic Schema Evolution in a Heterogeneous Database System*, Proceedings of the Americas Conference on Information Systems, Phoenix, AZ., U.S.A.
- ❖ Ram, S. and Shankaranarayanan G. (1996) *A Graph Theoretic Approach for Database Schema Evolution*, Proceedings of the INFORMS Conference on Information Systems and Technology, Washington D.C., U.S.A.

## **INVITED PRESENTATIONS**

- ❖ *(Academic/Professional)* Shankaranarayanan, G. and Even, A. (2008), *Understanding the Synergistic Benefits of Data Quality Assessment Methods*, in the 3<sup>rd</sup> International Symposium on the Cooperation and Promotion of Information Resources in Science and Technology (COINFO 2008), sponsored by the Institute of Scientific and Technical Information of China (ISTIC), Beijing, China, November 2008.
- ❖ *(Professional)* Shankaranarayanan, G. (2008), *Implementing Data Quality for CRM – Trends and Directions*, in the conference on Data Quality and Relationship Marketing (2<sup>nd</sup> Data Quality Management Conference), Sao Paulo, Brazil, April 2008.
- ❖ *(Academic)* Shankaranarayanan, G. and Wang, R. Y. (2007), *IPMAP: Current State and Perspectives*, in the International Conference on Information Quality (ICIQ 2007), Boston, MA, November 2007.
- ❖ *(Academic)* Shankaranarayanan, G., Even, A. and Berger, P. D. (2007), *Real-Option Design Strategies: Implications for the Design of a Data Warehouse*, in the INFORMS Annual Meeting, Seattle, WA, November 2007.
- ❖ *(Academic)* Shankaranarayanan, G. and Even, A. *Total Data Quality Management*, at Universidade Metodista de Piracicaba (UNIMEP), Brazil, April 2007.

- ❖ (Academic) Shankaranarayanan, G. *Managing Data Quality for CRM – From Concepts to Economics*, at Fundacao Getulio Vargas (FGV), Sao Paulo, Brazil, April 2007.
- ❖ (Professional) Shankaranarayanan, G. and Even, A. *Foundations of Data Quality Management and its Application for Customer Relationship Management*, in the conference on Data Quality and Relationship Marketing (1<sup>st</sup> Data Quality Management Conference), Sao Paulo, Brazil, April 2007.
- ❖ (Professional) Shankaranarayanan, G. and Even, A. *Designing Data-Driven Information Products and Systems*, presented at combined conference of The Data Management Association (DAMA) and the Wilshire Metadata, Boston, MA, March 2007.
- ❖ (Professional) Shankaranarayanan, G. and Even, A. *Metadata Research: Syntactic, Semantic, and Pragmatic Perspectives*, presented at The Data Management Association (DAMA) and the Wilshire Metadata, Denver, Colorado, April 2006.
- ❖ (Professional) Shankaranarayanan, G. *What can Metadata do for you?* – presented at Life Science Informatics session on “Data Integration Across the Pharma Environment – Why are we still talking about this problem?” at the Committee Day organized by the Massachusetts Biotechnology Council, January 19, 2006.
- ❖ (Professional) Shankaranarayanan, G. and Even, A. *Gaining Value and Profitability from Organizational Data*, presented at the VRMS User Conference, Baltimore, Maryland, October 17-18, 2005.
- ❖ (Professional) Shankaranarayanan, G. *Classifying Metadata*, Oracle Designers Working Group, Waltham, MA, September 2005.
- ❖ (Professional) Shankaranarayanan, G. and Hammer, J. *Constructing Metadata Repositories: Layering and Growing Metadata*, Data Management Association (DAMA), Chicago, IL, August 2003.
- ❖ (Academic) Shankaranarayanan, G. *Data Quality Management – Research Issues and Directions*, presented at the Panel and Discussion session, Americas Conference on Information Systems (AMCIS), Tampa, FL, August 2003.
- ❖ (Academic) Shankaranarayanan, G. *Managing Information Technology – Research Directions*, at Bharatidasan Institute of Management, Tiruchi, India, July 2000.

## **PROFESSIONAL ACTIVITIES**

### Dissertation Chair

- ◆ Adir Even (2008) *Economics-Driven Design of Data Repositories*, Boston University School of Management.
- ◆ Yu “Jerry” Cai (2007) *The Impact of Data Quality Metadata on Decision-Making*, Boston University School of Management.

### External Reader

- ◆ Wendell Scott Dismute (2009) *Data Governance: A Study of the Current State and Emerging Trends*, Masters Thesis, Information Science department, University of Arkansas, Little Rock.

### Editorial Board

- ◆ **Associate Editor** – ACM Journal of Data and Information Quality (since Dec 2008).
- ◆ **Associate Editor** of the International Journal of Information Quality (since Jun 2008).
- ◆ Member of the **Editorial Board** of the International Journal of Information Quality (August 2006 to June 2008).
- ◆ Member - **Editorial Review board** of the Journal of Database Management – starting January 2001.

### Program Committee Member

- ◆ Workshop on Information Technology Systems (WITS) – 2007, 2008, 2009
- ◆ Information Resources Management Association (IRMA) Conference - 2003, 2005
- ◆ International Conference on Information Quality (ICIQ) - 2001, 2003, 2007, 2008
- ◆ Track Chair and Program Committee Member – San Diego Conference on Information Systems (SDIS), San Diego, CA, 2005 and 2006
- ◆ Track on Data Quality Management in IRMA Conference, Washington DC., May 2006

### Ad Hoc Reviewer

- ◆ ACM Journal on Data and Information Quality
- ◆ INFORMS Journal on Computing
- ◆ Journal of Management Information Systems
- ◆ Information Systems Research
- ◆ Decision Support Systems Journal
- ◆ Journal of Computer Information Systems
- ◆ IEEE Transactions on Knowledge and Data Engineering

- ◆ Several top conferences
  - HICSS – 1995, 98, 99, 2000, 02, 04, 05.
  - AMCIS – 1996, 97, 99, 2000, 01, 02, 03, 04, 08, 09.
  - ICIS – 1999, 2000, 04, 07.
  - ECIS 2008, 09.
  - ICIQ – 2000, 01, 02, 03, 05, 06, 07, 08, 09.
  - WITS – 2002-04, 06-09.

### Panel Member

- ◆ Managing Data Quality – in Americas Conference on Information Systems (AMCIS), 2003.
- ◆ Data Quality Research – Trends and Directions – in the International Conference on Information Quality, (ICIQ), 2003.

### Mini-Track Co-Chair

- ◆ Mini-track on Technology and Applications of Sensor Data and Sensory Networks – Americas Conference on Information Systems (AMCIS), 2004, New York, NY.

### Session Chair

- ◆ Americas Conference on Information Systems (AMCIS) 1997, 99, 2001, 03, 09
- ◆ International Conference on Information Quality (ICIQ), 2000, 01, 03, 06-08.