

Balaji Janamanchi Ph.D.
Assistant Professor of Management

Address:

PH 304C, A.R. Sanchez Jr. School of Business (SSB)
Division of International Business and Technology studies (DIBTS)
Texas A&M International University (TAMIU)
5201, University Blvd, Laredo, Texas 78041-1900
Email: bjanamanchi@tamiu.edu
Phone: (956) 326-2537
Mobile: (956) 286-9774

Education

- Ph. D., in Business Administration “A System Dynamics Perspective of Offshoring Knowledge Worker Jobs from USA,” Texas Tech University, Lubbock, Texas, August 2006.
- Master of Science in Business Administration (Management Information Systems), Texas Tech University, August 2001.
- LL.B.: Bachelor of Law, Osmania University, Hyderabad, India (1988).
- B.Com: Bachelor of Commerce, Osmania University, Hyderabad, India (1980).

Certifications

- F.C.A.: Fellow Member of the Institute of Chartered Accountants of India (since 1989; Associate member 1984 -89)
- Six Sigma Yellow Belt Training Certified: Rawls College of Business Administration, Texas Tech University, July 2004

Academic Appointments

- Interim Chair of the DIBTS: Sept 2008 to date
- Assistant Professor of Management, DIBTS, COBA, TAMIU: Sept 2006 to date.
- Lecturer in MIS, Area of ISQS, Rawls College of Business Administration, Texas Tech University, Lubbock, Texas: Sept 2001 to August 2004.
- Grad Part-time instructor, Area of ISQS, Texas Tech University, Fall 2004 – 2006
- Teaching Assistant, Area of ISQS, Texas Tech University, summer 2000-Summer 2001
- Part-time /Adjunct Faculty, Post Graduate Center of Badruka College, Hyderabad, India from 1986 to 1994 and during 1984-85.

Research Interests

- Applications of systems thinking and system dynamics in business and social systems.
- Offshoring Knowledge Worker Jobs from USA
- Supply Chain dynamics for policy experimentation and executive decision support
- Project dynamics in a variety of settings for change management and decision support
- International Logistics, and
- Ecommerce issues.

Journal Publications

Janamanchi, Balaji and Burns, James “Simulation studies of the effects of Safety Stock and related policies upon Bullwhip oscillation in supply chains,” **International Journal of Information Systems and Change Management** 2008 - Vol. 3, No.2, pp. 171-187

Janamanchi, Balaji and Burns, James “Reducing bullwhip oscillations in a supply chain: a system dynamics model based study,” **International Journal of Information Systems and Change Management** 2007 - Vol. 2, No.4, pp. 350 - 371

Parhizgar, Kamal and **Janamanchi, Balaji** “Analysis of Unethical side effects of Monopsonies: Can Monopsonies Manipulate the Market Price for the benefit of a small group of Buyers” American Society for Competitiveness’s annual publication **Competition Forum** 2007, Vol. 5, pp 293-298.

Burns, James and **Janamanchi, Balaji** “Improved Methods for Task Estimation and Project Tracking,” the **International Journal of Information Systems and Change Management** 2007, Volume 2, No.2, pp 167-189.

Lin Zhangxi, Li Dahui, **Janamanchi, Balaji**, and Huang Wayne “Reputation Distribution and Consumer-to-Consumer Online Auction Market Structure: An Exploratory Study” **Decision Support Systems** Volume 41, Issue 2, January 2006, Pages 435-448.

Burns James, and **Janamanchi, Balaji** “The Dynamics of Change Management in a Technology Project Context,” The **International Journal of Information Systems and Change Management** 2006, Volume 1, No.2, pp 115-137.

Janamanchi, Balaji and Burns, James “Offshoring Knowledge Worker Jobs- Boom or Burst for the US Economy?” the ICFAI Journal of Knowledge Management, Hyderabad, India, 2007 Vol. V, No. 2, pp 20 -38 (reprint from the proceedings of the 23rd International Conference of System Dynamics Society 2005, Boston, MA).

Conference Proceedings (peer reviewed)

Janamanchi, Balaji and Burns, James “Offshoring Knowledge Worker Jobs- Boom or Burst for the US Economy?,” proceedings of the 23rd International Conference of System Dynamics Society 2005, Boston, MA.

Note: This paper has also been selected and accepted for reprint in the ICFAI Journal of Knowledge Management, Hyderabad, India, 2007

Janamanchi, Balaji and Burns, James “Project Dynamics with Application to Change Management and Earned Value Tracking,” Proceedings of the 23rd International Conference of System Dynamics Society 2005, Boston, MA: A system dynamics Model that incorporates team size effect on productivity in a project management setting and focuses on earned value management.

Burns, James and **Janamanchi, Balaji** “Support for Meta Project Definition, Planning, Resourcing, and Execution,” suggests the need for support to the first and last stages of project management lifecycle and recommends the architecture for a decision support system: Proceedings of the DSI Annual Conference 2005, San Francisco, CA.

Burns, James and **Janamanchi, Balaji** “Strategies for Reducing Inventory Costs and Mitigating the Bullwhip Effect in Supply chains: A Simulation Study,” utilizes a system dynamics model developed in Vensim© software: Proceedings of the South West DSI Annual Conference 2006, Oklahoma City, March 2006.

Burns, James and **Janamanchi, Balaji** “Towards a Current National Energy Model with Implications for a Sustainable Energy Policy,” builds on the national energy model developed in 1970s (originally by Sandia National Laboratories) to assess the energy situation in the 21st century: Proceedings of the South West DSI Annual Conference 2006, Oklahoma City, March, 2006.

Janamanchi, Balaji and Burns, James “Forecasting demand in a supply chains using system dynamics methodology” studies context based forecasting methods to achieve quick convergence of desired vs. scheduled production rates in production systems; Proceedings of the SWDSI conference, 2007, San Diego, CA, March 2007.

Burns, James and **Janamanchi, Balaji** “Optimal Control and Optimization of System Dynamics Models: Some Experiences and Recommendations,” suggests the use of Optimal Control theory and concepts in system dynamics model for parametric optimization, with the help of an illustrative model and results; Proceedings of the SWDSI conference, 2007, San Diego, CA, March 2007.

Burns, James and **Janamanchi, Balaji** “Dynamics of a Democracy Deeply in Debt: Simulation Studies of Federal Revenue and the Capacity of the U.S. to Service its Debt” Proceedings of the 25th International Conference of System Dynamics Society 2007, Boston, MA

Janamanchi, Balaji and Burns, James “Counterintuitive Benefits of Relaxing Inventory Replenishment Requirements in a Supply Chain: A System Dynamics Model-Based Study.” Proceedings of the DSI Annual Conference 2007, Phoenix, AZ, November, 2007.

Janamanchi, Balaji and Burns, James “Optimal pricing strategy: A System Dynamics simulation study,” Proceedings of the SWDSI conference, 2008, Houston, TX, March 2008.

Janamanchi, Balaji “Reducing Commercial Traffic Wait Times at the World Trade Bridge: A Process Reconfiguration Approach,” Proceedings of the SWDSI conference, 2008, Houston, TX, March 2008

Burns, James, **Janamanchi, Balaji** and Wolfe, Andrew “Strategies for Removal of Federal Budget Deficit and payoff of the National Debt: Analytical and Simulation Studies” Proceedings of the DSI Annual Conference 2008, Baltimore, MD., November 2008.

Other conference papers/presentations:

Janamanchi, Balaji “Inventory Policies for Stability in Supply Chains Practising JIT” research abstract presented at the Ms/OR: techniques, Models and Application track of DSI Annual Conference 2007, Phoenix, AZ, November, 2007.

Janamanchi, Balaji, and Burns, James, “Mean Time between Failures estimation: A System Dynamics model based study” research abstract presented at the DSI Annual Conference 2008, Baltimore, MD, November, 2008.

Janamanchi, Balaji and Jin, Tongdan, “Zero Inventory or Just-About-Zero Inventory?” research abstract presented at “Inventory Management” track of South West Regional Conference of INFORMS, College Station, TX, April, 2008

Prieto, Leonel, Sagafi-nejad, Tagi, Rivas, Andres E., **Janamanchi, Balaji**, Garza, Vanessa, and Nguyen, Doanh (Zone) “Acculturation and Financial Behavior of Hispanics” at the “Western Hemispheric Trade: Facing New Challenges- 13th annual conference, TAMU, Laredo, TX, April 2-4, 2008.

Burns, James and **Janamanchi, Balaji** “Simulation Studies of Federal Budget Deficit and the National Debt: Will they be serviceable, and if so, under what assumption?” explores possible scenarios of Federal revenue and Budget deficits to answer the questions, presented at the International Academy of Business and Public Administration Disciplines (IABPAD), Dallas, April 2006.

Working Papers

“Reliability Growth vs. HASS Cost for Product Manufacturing With Fast-to-Market Requirement’ (with Dr. Tongdan Jin) seeks to develop a financial model to assist managers in decision support for determining when to stop HASS testing on the way to reliability growth improvement.

“An Exploratory Analysis of the State and Profile of Open Source Software Projects in Health and Medical Informatics” Study of Open Source Software projects from Source Forge database supporting Health and Medical Informatics with three other collaborators

“Classification of OSS Development Projects: An Empirical Investigation,” with three collaborators seeks to explain the success factors of OSS projects serving health and informatics as the sample.

Burns, James and Janamanchi, Balaji “Dynamics of Supply Chain Management,” studies two-player and three-player supply chain dynamics to contributes to best practices of

supply chain management, with the objective of implementing JIT practices, waste control, and cost reduction

Several other papers in various stages

Teaching: Teaching at TAMIU

Fall 2008

MIS-5330-160 Advanced Programming
POM-3310-162 Production & Operations Mgt

Spring 2008

MIS-5330-201 Advanced Programming
POM-3310-201 Production & Operations Mgt
TIL-5370-261 International Logistics

Fall 2007

MIS-3310-101 Management Information Systems
MIS-5330-160 Advanced Programming

Spring 2007

MIS-5330-201 Advanced Programming
POM-3310-201 Production & Operations Mgt
TIL-5370-261 International Logistics

Courses Taught (as full-time lecturer-12 hours/week- 09/2001 to 08/2004) at TTU

- i) ISQS2341-Business Computer programming (Using Java, VB6, COBOL)
- ii) ISQS3348-Database Management Systems (Oracle, PL/SQL)
(Supervised semester long projects by student teams)
- iii) ISQS3349-Introduction to Business Data Communications
- iv) ISQS2440-Introduction to Computers in Business
- v) ISQS3344-Introduction to Production and Operations Management
- vi) ISQS4383-Special Topics in MIS

Teaching (as Ph.D. student- 3 hours/week) at TTU

- i) ISQS3344- Introduction to Production and Operations Management

Courses Taught as Teaching Assistant during Masters Degree at TTU.

- Spring 2001: ISQS 5237: “Computer skills for business and management.” responsible for Computer lab sections and grading Taught such topics as Web searching, MS Word and Spread-sheet applications using MS Excel, Databases using MS Access, Web-page development using HTML and MS FrontPage.
- Summer & Fall 2000: Conducted lab sessions for ISQS 2440- Taught topics such as Web searching, Word and Spread sheet applications, Databases using MS Access, Visual Basic, Web page development using HTML and MS FrontPage.

Membership in Professional Organizations

System Dynamics Society
Decision Sciences Institute
South West Region of Decision Sciences Institute

Professional Service

Organizing committee member: Global Logistics conference- TAMIU April 2008

Member of Editorial Board of *International Journal of Electronic Finance* since spring 2007

Reviewer for *Information Management and Computer Security* since fall 2008

Ad-hoc reviewer for Electronic Commerce Research and Applications (ECRA) special issue 2005

Ad-hoc reviewer for System Dynamics Society's 26th annual conference 2008

Ad-hoc reviewer for System Dynamics Society's 25th annual conference 2007

Ad-hoc reviewer for System Dynamics Society's 24th annual conference 2006

Ad-hoc reviewer for DSI 2008, annual conference, Baltimore, MD

Ad-hoc reviewer for DSI 2007, annual conference, Phoenix, AZ

Ad-hoc reviewer for DSI 2005, annual conference, San Francisco, CA

Ad-hoc reviewer for South West DSI conference, 2008, Houston, TX

Ad-hoc reviewer for South West DSI conference, 2007, San Diego, CA

Academic reviewer

- a) 'VB.Net' (2002),
- b) 'Java How to program' (2003),
- c) 'Simply Java' (2003)

Programming textbooks by Deitel & Deitel published by Prentice Hall (reviewed few chapters in each book).

Academic reviewer of 'Absolute Java' by Walter Savitch by Addison Wesley (2003)

Reviewed- 'Database Management' by Greg Ricardo, Addison Wesley (2003) edition for possible revisions in forthcoming edition.

Reviewed- 'Introduction to Operations and Supply Chain Management' by Cecil C. Bozarth and Robert T. Handfield, Prentice Hall (2006) edition for possible revisions.

Academic Committees and Assignments

- Member "Curriculum Committee , DIBTS, SSB, TAMIU, 06-07, 07-08,08-09
- Member Graduate admission committee, SSB, TAMIU, 07-08,08-09
- Member Ph.D. Committee, International Business Program, SSB, TAMIU, 06-07
- Member University Risk Management Committee, TAMIU, 06-07, 07-08,08-09
- Faculty advisor, AITP chapter of TTU, students association (2001-2003)
- Faculty advisor, AITP at TAMIU (revived in 2006-07)

Industry Experience

- **Practicing Chartered Accountant**, as the proprietor of J.Balaji & Co, Chartered Accountants (Hyderabad, India) supervised four audit staff and two apprentices, serviced on an average about a dozen private limited companies, ten partnership firms and over hundred individuals.
- **Auditing:** Audited all types of accounting and financial records, GL AP,AR, Asset Registers, Stock records, Inventory records, Daybooks, Petty cash, Purchases, Sales, Warranty claims, branch accounts of a variety of enterprises that include
 - **Manufacturing concerns:** Auto Electrical Spares (OEM Supplier to **Delco Remy** America), Synthetic Resins (Dealers for **Owens Corning** USA's products), Copper Cable, Polymers, Chemicals, Computer Stationery, Cardboard Containers etc
 - **Trading Concerns:** Distributors for medicines, agricultural and sanitary wares, air compressors and filters
 - **Banks:** Conducted Statutory Branch Audits, Revenue Audits and Inspections
 - **Others:** Finance Companies, Computer Training Centers, Nursing Homes, Schools, Poultry farms & Agro farms, Printing and Graphic works, Welfare Societies
- **Business Consulting:**
 - Assisted clients in securing **working capital, long-term finances** from banks and financial institutions, by preparing and submitting the **feasibility studies** and **financial projections**.
 - Assisted in Formation of Companies, Firms and Proprietary concerns. Assisted in negotiations for **business takeovers** and **amalgamation** and **absorption** of private limited companies by preparing and submitting the legal documents under Indian Companies Act and Baking Regulation Act procedures.
 - Conducted **Systems Study** and Revision for **Material Accounting** System for Auto Electrical Manufacturer Company and assisted variety of new firms and enterprise in finalizing their accounting records to comply with the requirements.
 - **Tax representation** of Income Tax, Wealth Tax and Sales tax matters of all the clients, viz. private limited companies, partnership firms, not for trading concerns, individuals and all types of business enterprises.
 - **Miscellaneous Services:** Certification under Central Excise laws, arbitration under industrial disputes Act, certification of accounts for imports and exports.

Awards and Honors

- Awarded Texas Center Research Fellows Grant Program 2007-2008, \$3,000 Research Grant for a research project, entitled "Laredo Town Center: Boon or Bane? A Systems Thinking Perspective" by the Texas Center for Border Economics and Enterprise Development, A.R. Sanchez jr. School of Business, Texas A & M International University.
- Awarded Texas Center Research Fellows Grant Program 2006-2007, \$3,000 Research Grant for a research project, entitled " Reducing Commercial Traffic wait times at the World Trade Bridge: A process reconfiguration approach" by the Texas

Balaji

Center for Border Economics and Enterprise Development, College of Business Administration, Texas A & M International University.

- Awarded “2005 Summer Dissertation/Thesis Research Award,” from Graduate School, Texas Tech University for my Ph. D. dissertation research
- Dean’s scholarship for the years 1999-2000 and 2000-2001, TTU, Lubbock TX
- Nominated Member, Board of Studies, Commerce Department of OU College for Women, Kothi, Hyderabad for three years 1996-99
- Secured III rank in Order of Merit in the University (amongst some 10,000 candidates) in B.Com., exams of Osmania University, India April 1980 (Standing first in the college)
- Secured IV rank in “Math’s Olympiad,” Talent Search Competition conducted by Association of Mathematics Teachers Andhra Pradesh, India, senior level- in 1977.

-000-