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(i) Professional Preparation

Ohio University, Athens, OH	Integrated Engineering	Ph.D. 2005
Ohio University, Athens, OH	Industrial Engineering	MS 2002
Postgraduate Institute of Management, Sri Lanka	Business Administration	MBA 2000
University of Peradeniya, Sri Lanka	Engineering	B.Sc. 1995

(ii) Appointments

2005 - present Assistant Professor, Department of Mechanical Engineering and Center for Manufacturing, University of Kentucky, KY

Spring 2002/Winter, 2003 Instructor, Department of Industrial and Manufacturing Systems Engineering, Ohio University, Athens, OH

Fall 2003

Summers 2001 - 2004 Graduate Research Assistant, Human Factors and Ergonomics Laboratory, Ohio Research Institute for Transportation and the Environment, Ohio University, Athens, OH

2004 - 2005 Graduate Research Assistant, Department of Industrial and Manufacturing Systems Engineering, Ohio University, Athens, OH

1998-1999 Visiting Lecturer, Department of Science, University of Peradeniya, Sri Lanka

1997 - 2000 Lecturer, Department of Production Engineering, University of Peradeniya, Sri Lanka

(iii) Publications

Publications most closely related to the proposed project:

1. **F. Badurdeen**, T.J. Goldsby, D. Iyengar, H. Metta, S. Gupta, and I.S. Jawahir, Extending total life-cycle thinking to sustainable supply chain design, *International Journal of Product Lifecycle Management*, Vol. 4, Issue 1/2/3, 2009, pp. 49-67.
2. J. P. Liyanage, **F. Badurdeen** and Ratnayake, C., Industrial asset maintenance and sustainability performance: Economical, Environmental and Societal Implications, in Handbook on Maintenance Management and Engineering, Ben-Daya, M., Duffuaa, S.O. Raouf, A., Knezevic, J. and Ait-Kadi, D.(eds.), Springer Publishing, 2009, pp. 665-689.
3. **F. Badurdeen**, H. Metta and B. Stump, Simulation models to demonstrate mass customization strategies, in Handbook of Research in Mass Customization and Personalization, Piller, F. and Tseng, M. (eds.), Volume 2, World Scientific Publishing, 2009, pp. 1005-1019.
4. **F. Badurdeen**, P. Marksberry, A. Hall and B. Gregory, Simulations and games for teaching lean manufacturing, *International Journal of Simulation and Gaming*, on-line published April, 2009, DOI:10.1177/1046878109334331.
5. B. Stump and **F. Badurdeen**, Integrating lean and other strategies for mass customization manufacturing: A Case Study, *Journal of Intelligent Manufacturing*, April 2009, DOI: 10.1007/s10845-009-0289-3.

Other significant publications:

1. G. A. Suer, **F. Badurdeen**, and N. Dissanayake, Capacitated Lot Sizing by Using Multi-Chromosome Crossover Strategy, *Journal of Intelligent Manufacturing*, Vol. 19, Issue 3. pp. 273-282, 2008.

2. M. Shuaib and **F. Badurdeen**, Job Scheduling in Associative Parallel Machines to Minimize Average Flow Time, Proceedings of the Indian Sub-continent Decision Sciences Institute (ISDSI) Conference, January 3-5, 2009, Mumbai, India, pp. 102 – 112.
3. S. Thuramalla and **F. Badurdeen**, “Establishing Rules to Design a Minicell-based Manufacturing System for Mass Customization”, *International Journal of Agile Systems and Management*, Vol. 3, Nos. 1/2, 2008, pp. 93-111.
4. **F. Badurdeen** and D.T. Masel, A Genetic Algorithm-based Approach to Design Minicells for Mass Customization Manufacturing, *International Journal of Mass Customization*, Vol. 2, Issue 3/4, 2008, pp. 282 – 302.
5. **F. Badurdeen** and D.T. Masel, A Modular Minicell Configuration for Mass Customization Manufacturing, *International Journal of Mass Customisation*, Vol. 2, Nos. 1/2, 2007, pp. 39-56.

(iv) Synergistic Activities

1. Director, Institute of Industrial Engineers (IIE) Lean Division Board (2009-2010)
2. Member, External Advisory Board, Department of Industrial and Systems Engineering, Ohio University (2008-2011).
3. Member, Advisory Board, Scholars in Engineering and Management (SEAM) Program, University of Kentucky (2008-2010)
4. Editor, Lean Division Newsletter, Lean Division of Institute of Industrial Engineers (2009-present)
5. Track Chair, Lean Systems Track, Industrial Engineering Research Conference 2010, June 5-9, Cancun, Mexico
6. Session Organizer and Chair: MC Manufacturing Systems session, 3rd International Mass Customization and Personalization Conference 2007, October 7 – 9, Boston, MA; Mass Customization session, IERC 2007, May 19-23, Nashville TN; Lean Education and Simulation session, IERC 2008, May 17-21, Vancouver, Canada.
7. Technical reviewer for Journal of International Technology and Information Management, Journal of International Technology and Human Interaction, Journal of Intelligent Manufacturing

(v) Professional Affiliations:

- Institute of Industrial Engineers (IIE)
- Society of Manufacturing Engineers (SME)
- Council of Supply Chain Management Professionals (CSCMP)

(vi) Collaborators and Other Affiliations

(a) Collaborators and Co-editors

J. P. Liyanage, and R.M.C. Ratnayake, University of Stavanger, Norway
 D.T. Masel and G.A. Suer, Ohio University, OH
 T.J. Goldsby, I.S. Jawahir, D. Iyengar, P. Marksberry, B. Gregory, J. Seay, H. Metta and S. Gupta, K. Wijekoon, M. Shuaib, University of Kentucky, KY
 S. Thuramalla, Ingersoll Rand Security Technologies, Security, CO
 K. Bedida, Cummins Engine Company, Columbus, IN
 N. Dissanayake, Atos Origin, Cincinnati, OH

(b) Graduate and Postdoctoral advisors

Ph.D. and MS Advisor – D.T. Masel, Ohio University

(c) Thesis advisor and postgraduate-scholar sponsor

Advisor: P. Chadalavada (MS), S. Thuramalla (MS), A. Goyal (MS), K. Inala (MS), K. Bedida, M. Shuaib (MS), H. Metta (MS) (MS, co-advisor),
 External Advisor: Haihao Jin (Ph.D. – College of Business and Economics, UK)