

List of Publications

Journal papers

- Parlikad, A.K., McFarlane, D.C., "A Bayesian Decision Support System for vehicle component recovery," *International Journal of Sustainable Manufacturing* (In Press).
- Parlikad, A.K., McFarlane, D.C., Harrison, M., Thorne, A., "The role of AIDC technologies in product recovery – an Information Quality perspective," accepted for publication to the *International Journal of Product Lifecycle Management*.
- Ouertani, M.Z., Parlikad, A.K., McFarlane, D.C., "Towards an approach to select an asset information management strategy," *International Journal of Computer Science and Applications*, Volume 5, Issue 3b, pp 25-44.
- Parlikad A.K.N., McFarlane, D., "RFID-based product information in end-of-life decision making," *Control Engineering Practice*, Volume 15, Issue 11, 2007, pp 1348-1363.
- Kulkarni, A.G., McFarlane, D.C., Ralph, D. Parlikad, A.K.N., "The impact of RFID on product recovery industry", *Supply Chain Forum: International Journal*, ISSN 1624-6039 (In Press).

Book Chapters

- Parlikad, A.K.N., McFarlane, D.C., Kulkarni, A.G., "Improving Product Recovery Decisions through Enhanced Information," In *Innovation in Life Cycle Engineering and Sustainable Development*, Edited by Daniel Brissaud, Serge Tichkewitch, and Peggy Zwolinski, Springer, 2006.
- Kelepouris, T., Wong, C.Y., Farid, A.M., Parlikad, A.K., McFarlane, D.C., "Towards a reconfigurable supply network model," In *Intelligent Production Machines and Systems*, Edited by D.T Pham, E.E. Eldukhri, and A.J. Soroka, Elsevier, 2006.
- Kay, M.G. and Parlikad, A.N., "Material Flow Analysis of Public Logistics Networks", in *Progress in Material Handling Research*, Edited by Russell Meller, Michael Ogle, Brett Peters, Don Taylor, and John Usher, The Material Handling Institute, Charlotte, 2002.

Theses

- Parlikad, A.K.N., The impact of product information on the effectiveness of product recovery decisions PhD thesis, University of Cambridge, 2006.
- Parlikad, A.N, Performance Analysis of Intelligent Supply Chain Networks, Master's Thesis, Dept. of Industrial Eng., North Carolina State Univ., Raleigh, NC, 2002.

International Conferences

- Rezvani, A., Srinivasan, R., Farhan, F., Parlikad, A.K., Jafari, M., "Towards Value-based Maintenance," *World Congress on Engineering Asset Management*, Athens, Sept 2009.
- Ouertani. M.Z., Srinivasan, V., Parlikad, A.K., Luyer, E., McFarlane, D., "Through-life Active Asset Configuration Management," *International Conference on Product Lifecycle Management*, PLM' 09, Bath, July 2009.
- Parlikad, A.K., McFarlane, D.C., "Exploring the trade-off between information completeness and accessibility in product recovery decisions," *16th CIRP Life Cycle Engineering Seminar*, Cairo, May 2009.
- Sreenivasan, R., Parlikad, A.K., Ouertani, Z., "Integrated Asset Maintenance: A lab-based demonstrator," *CIRP Life Cycle Engineering Seminar*, Cairo, May 2009.
- Sreenivasan, R., Parlikad, A.K., Ouertani, Z., "Towards measuring the impact of information availability on maintenance decisions and asset performance," *13th IFAC symposium on information control problems in manufacturing (INCOM)*, June 2009.
- Brintrup, A.B., Ranasinghe, D., Kwan, S., Parlikad, A.K., Owens, K., "Roadmap to self-serving assets in civil aerospace," *CIRP Industrial Product-Service Systems conference*, Cranfield, April 2009.

- Ouertani, M.Z., Driouchi, T. D., Parlikad, A. K., McFarlane, D.C., "Asset Information Management: A review of tools and methods for strategy assessment," *World Congress on Engineering Asset Management*, Beijing, Oct 2008.
- Ouertani, M.Z., Parlikad, A.K., McFarlane, D.C., "Through-life management of asset information," *International Conference on Product Lifecycle Management*, PLM' 08, Seoul, July 2008.
- Brintrup, A. M., Ranasinghe, D., McFarlane, D.C., Parlikad, A.K., "The intelligent asset across the product lifecycle," *International Conference on Product Lifecycle Management*, PLM' 08, Seoul, July 2008.
- Cassina, J., Taisch, M., Potter, D., Parlikad, A. K., "Development of PROMISE architecture and PDKM semantic object model", *14th International Conference on Concurrent Enterprising*, Lisboa, June 2008.
- Ouertani, M.Z., Parlikad, A.K., McFarlane, D.C., "Research challenges in Asset Information Management," *IEEE International Conference on Research Challenges in Information Science (RCIS'08)*, Marrakech, June 2008.
- Parlikad, A.K., McFarlane, D.C., "Decision support systems for product recovery: A Bayesian approach," *15th CIRP International Conference on Life Cycle Engineering*, Sydney, March 2008.
- Kelepouris, T., McFarlane, D.C., Parlikad, A.K., "Developing A Model For Quantifying The Quality And Value Of Tracking Information On Supply Chain Decisions", *International Conference on Information Quality, ICIQ'07*, Cambridge, USA, Nov 2007.
- Parlikad, A.K., Theodorou, S., McFarlane, D.C., "Lifecycle information management: Key challenges", *2007 EU RFID Forum and 4th RFID Academic Convocation*, Brussels, March 2007
- Parlikad, A.K., Folan, P., Mascolo, J., McFarlane, D.C., "Improving automobile parts recovery using product lifecycle information", *International Conference on Product Lifecycle Management*, PLM' 07, Milan, May 2007.
- Kulkarni, A.K., Parlikad, A.K.N., McFarlane, D.C., "Networked RFID Systems in Product Recovery Management," *IEEE International Symposium on Electronics & the Environment & the IAER Electronics Recycling Summit*, New Orleans, USA, May 2005.
- Parlikad, A.K.N., McFarlane, D.C., Kulkarni, A.G., "Improving Product Recovery Decisions through Enhanced Information," *12th CIRP Life-Cycle Engineering Seminar*, Grenoble, France, April 2005.
- Harrison, M., McFarlane, D., Parlikad, A.K.N., Wong, C.Y., "Information management in the product lifecycle - The role of networked RFID," *Proc. 2nd IEEE International Conference on Industrial Informatics INDIN'04*, June 2004.
- Parlikad A.K.N., McFarlane, D., "Investigating the role of product information in end-of-life decision making," *Proc. 11th IFAC Symposium on Information Control Problems in Manufacturing*, Brazil, April, 2004
- Kay, M.G. and Parlikad, A.N., "Material Flow Analysis of Public Logistics Networks", *7th International Material Handling Research Colloquium*, Portland, USA, June 2002.

Invited Lectures/Seminars

- IET Asset Information Management workshop, 2009.
- International Automotive Conference, Sunderland, 2007.
- Production Operations Management Society (POMS) conference on "Operations Management in the New World Uncertainties", 2006.

Magazine Articles

- "Toward Better Asset Management" – RFID Journal, Aug 2009.
- "Monitoring from Birth" – Interviewed article in Manufacturing Engineer.

White papers/Technical reports

- Harrison, M., Parlikad, A., "Lifecycle ID and Lifecycle Data Management", Aero-ID White Paper, June 2006.
- Thorne, A., McFarlane, D., Le Goff, K., Parlikad, A., "Scoping of ID Application Matching," Aero-ID White paper, February 2006.
- Parlikad, A.K.N., McFarlane, D.C., "Recovering value from 'End-of-Life' equipment - A case study on the role of product information," Technical Report No. CUED/E-MANUF/TR.29, Cambridge University Engineering Department, 2004.
- Gross, S., Parlikad, A.K.N., McFarlane, D., Fleisch, E., "The Role of the Auto-ID enabled Product Information in a Product's Usage: A Maintenance Example", Auto-ID White paper, October 2003.
- Parlikad, A.K.N., McFarlane, D., Gross, S., Fleisch, E., "The Role of Product Identity in End-of-Life Decision Making", Auto-ID White paper, June 2003.
- Parlikad, A.K.N., "Managing Returns in a Closed-Loop Supply Chain - a Case Study", CDAC Internal Report, June 2003