Michael Abbot Maginnis
Curriculum Vitae

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Education

University of Kentucky, Lexington, KY	Mechanical Engineering	Ph.D. 2012
University of Kentucky, Lexington, KY	Manufacturing Systems Engineering	M.S. 2006
University of Kentucky, Lexington, KY	Metallurgical Engr. & Material Sci.	M.S. 1987
University of Louisville, Louisville, KY	Geology/Minors: Math & Physics	B.S. 1984

Professional Interests

- Understanding the technical and human aspects of sustainable continuous improvement cultures
- Exploring the challenges to the application of lean principles & practice to manufacturing and non-manufacturing environments
- Identifying effective teaching methods to share lean principles and practices with academic and professional students

Academic Appointments

2014-present	**Adjunct Assistant Professor**, Institute of Research for Technical Development (IR4TD), Lean Systems Program, Department of Mechanical Engineering, University of Kentucky, Lexington, KY
2014-present	**Member of Graduate School Faculty,** The Graduate School, University of Kentucky, Lexington KY
2014-present	**Director of the Lean Graduate Certificate program**, Lean Systems Program, College of Engineering, University of Kentucky, Lexington, KY
2010-present	**Instructor**, Lean Systems Program, College of Engineering, University of Kentucky, Lexington, KY
2006-2010	**Faculty Lecturer**, Lean Systems Program, Center for Manufacturing, University of Kentucky, Lexington, KY

Affiliations

Lean Education Academic Network

Publications

Maginnis, M., Cooper, W., & Parsley, D. (2021). Challenges to Lean Implementation from a True Lean Toyota Production System Perspective. In T. Janoski & D. Lepadatu, *The Cambridge International Handbook of Lean* (pp. p179-203). Cambridge University Press.

Cooper, W., Maginnis, M. A., Parsley, D., & Saito, K. (2020). The model area in successful lean transformation and scale modeling. *Progress in Scale Modeling, an International Journal*, *1*(1), 8.

Maginnis, M. A., Hapuwatte, B. M., & Keown, D. (2019, July). The Integration of True Lean and Industry 4.0 to Sustain a Culture of Continuous Improvement. In *IFIP International Conference on Product Lifecycle Management* (pp. 336-345). Springer, Cham.

Maginnis, M., & Uminger, G. (2018). Management Accounting in a True Lean Environment. *Cost Management*, (Vol. 32, No. 1), p27-35.

Maginnis, M. A., Hapuwatte, B. M., & Jawahir, I. S. (2017, July). Implementing total lifecycle product sustainability through true lean thinking. In *IFIP International Conference on Product Lifecycle Management* (pp. 544-553). Springer, Cham.

Fugate, J. S., Maginnis, M. A., Akafuah, N. K., Saito, K., Finney, M. A., & Forthofer, J. (2014). A focused analysis on lean fire management systems. *Parte: http://hdl. handle. net/10316.2/34013*.

Maginnis, M. A. (2013). The impact of standardization and systematic problem solving on team member learning and its implications for developing sustainable continuous improvement capabilities. *Journal of Enterprise Transformation*, *3*(3), 187-210.

Maginnis, M. (2013). Team Member Learning in a Lean Environment. In *2013 IIE Engineering Lean and Six Sigma Conference*. Louisville, Kentucky.

Saito, A., & Saito, K. (2012). *Seeds of Collaboration*. Larkspur Press.

Marksberry, P., Badurdeen, F., & Maginnis, M. A. (2011). An investigation of Toyota's social-technical systems in production leveling. *Journal of manufacturing technology management*.

Maginnis, M. A., & Bennett, J. P. (1995, January). Recycling spent refractory materials at the US Bureau of Mines. In *A Collection of Papers Presented at the 96th Annual Meeting and the 1994 Fall Meetings of the Materials & Equipment/Whitewares/Refractory Ceramics/Basic Science: Ceramic Engineering and Science Proceedings* (pp. 190-198). Hoboken, NJ, USA: John Wiley & Sons, Inc..

Presentations

Maginnis, M. A., Hapuwatte, B. M., Keown, D., (2019), The Integration of True Lean and Industry 4.0 to Sustain a Culture of Continuous Improvement, IFIP International Conference on Product Lifecycle Management, July 8-12, Moscow, Russia

Maginnis, M. A., Hapuwatte, B. M., Jawahir, I. S. (2017), Implementing Total Lifecycle Product Sustainability through True Lean Thinking, IFIP International Conference on Product Lifecycle Management, July 9-12, Seville, Spain

Maginnis, M. A. (2013), *Team Member Learning in a Lean Environment,* Institute of Industrial Engineers- Lean and Six Sigma Conference, Sept 23-24, Atlanta, GA.

Maginnis, M. A., Cooper, W. R, and Duffee, D. (2008) *An Extended Enterprise Simulation at the University of Kentucky,* Industrial Engineering Research Conference (IERC), Vancouver, B.C.

Maginnis, M. A. (2008) *Lean System Instruction at the University of Kentucky,* Institute of Industrial Engineer (IIE) Operational Excellence Conference and Expo, Minneapolis, MN