

Dr. Aldo McLean

Education

- PhD., Industrial Engineering, University of Louisville, 2008
- M.S., Engineering Management, University of Louisville, 2000
- B.S., Electronic Engineering, Universidad Santa Maria la Antigua Panama, 1996

Academic experience

- Department of Engineering Management & Technology, University of Tennessee Chattanooga, TN, Tenured Assistant Professor, Fall 2016 – Present.
- Department of Engineering Management and Technology, University of Tennessee Chattanooga, TN, Assistant Professor, (Tenure Track), Fall 2010 – Spring 2016.
- Department of Industrial Engineering, University of Louisville, Louisville, KY, Adjunct Assistant Professor, Summer 2008 – Summer 2010.

Non-academic experience

- Communication Systems and Sales Engineer, September 2001 – July 2003
Panasonic Latin America, Panama - Department of Communication Systems and Sales Engineering
- Communication Systems Product Manager, September 2000 – September 2001
SIEMENS Panama, Panama - Department of Telecommunication Systems
- Project Engineer, September 1998 – September 2000
TRT Technologies Inc., Panama - Nippon Electric Corporation (NEC) products
- Quality Control Engineer, September 1996 – September 1998
LG Electronics Latin America, Panama - Quality Control Center
- Appliance Product Manager, August 1996 – September 1998
LG Electronics Latin America, Panama - Home appliances and Air Conditioning Systems

Certifications or professional registrations

- Professional Engineer (PE), License No. 31132, Commonwealth of Kentucky
- Certified Manager of Quality/Organizational Excellence (CMQ-OE), Cert. No. 14826, - American Society for Quality (ASQ), November 2011 - present
- OSHA 10 – General Industry (October 2017)

Current membership in professional organizations

- Institute of Industrial and Systems Engineering (IISE), 2006 – present
- American Society Engineering Management (ASEM), 2010 – present
- American Society for Quality (ASQ), Senior Member, 2010 – present
- American Production and Inventory Control Society (APICS), 2012 - present
- Institute for Operation Research and Management Science (INFORMS), 2005 – 2015
- Toastmaster International, 2007 – 2011

Honors and awards

University of Tennessee at Chattanooga:

- Outstanding Teacher of the Year, April 2017
- Outstanding Faculty Teacher of the Year, April 2013
- Outstanding Coach, April 2012
- Outstanding Faculty Teacher of the Year, April 2011

Service activities (within and outside of the institution)

- ABET-ETAC accreditation coordinator (2016-2018)
College of Engineering & Computer Science:
- Graduate Curriculum Committee, (2017-2018)
- Committee Member, ABET Task Force, (2014-2016)
- Undergraduate Curriculum Committee, (2014-2017)
- Faculty Adviser, Engineering Management Club, EM&T (2015-present)
- Enterprise Center - UTC Committee, City of Chattanooga (2013-2016)
- Mentor (academic), Company Lab Chattanooga, CO-LAB (2018-2019)
- Enterprise Center - UTC Committee, City of Chattanooga (2013-present)
- President, American Society for Quality (ASQ) Section 1101 (2018-2019)
- Process Improvement Volunteer, Erlanger Hospital and Children's Hospital at Erlanger, 2013 - present.

Briefly list the most important publications and presentations from the past five years

- “Managing Waiting Times to Predict No-Shows and cancellations at a Children’s Hospital.”, Rodriguez-Garcia, M., McLean-Carranza, A., Prado-Prado, C. and Dominguez-Camaño, P. Journal of Industrial Engineering and Management, vol. 9, no. 5, 2016, pp. 1107-1118.
- “Parts Kitting Process for Material Flow Efficiency in Engines Pre-assembly Operations.”, Wiltshire, A., and McLean, A. In the proceedings of The American Society for Engineering Management International Annual Conference (ASEM), October 26-29, Charlotte, NC, 2016.
- “Small Construction Firm Practice to Minimize Risk to Fixed Price and Reimbursable Contracts.”, Ryon, R., McLean, A. A., and McMahan, E. In the Proceedings of the Institute of Industrial and Systems Engineering (IISE) Annual Conference, May 21-24, Anaheim, CA, 2016.
- “Material Flow Improvement for Change Management in a Manufacturing Plant” .McLean, A. A., Yates, W., and Landaeta, R. In the Proceeding of the American Society of Engineering Management (ASEM) Annual Conference, October 15-18, Virginia Beach, VA, 2016.

Briefly list the most recent professional development activities

- Professional Engineer (PE), License No. 31132, Commonwealth of Kentucky
- Construction Safety and Health, OSHA-10 General Industry (October 2017)
- Certified Manager of Quality/Organizational Excellence (CMQ/OE), ASQ (2011-present)