

Professional Preparation

University of Kentucky	Mechanical Engineering	BSME	1998
University of Kentucky	Mechanical Engineering	MSME	1999
University of Kentucky	Mechanical Engineering	PhD	2009

Appointments

Lecturer, Mechanical Engineering Department, University of Kentucky, 1/ 2010 – Present.

Industrial Extension Engineer, Center for Manufacturing, University of Kentucky, 8/1999 – 1/2010.

Part-time Lecturer, Mechanical Engineering Department, University of Kentucky, 6/1999 – 5/2000.

Publications

J.T. Henninger and L. Holloway, "Stability Determination in a Class of Manufacturing Systems with Replenishment Signals," Proceedings from 2010 American Control Conference, Baltimore, MD, June 2010.

J.P. Medendorp, J.A. Fackler, T. Henninger, B. Dieter, and R.A. Lodder, "NIR spectrometry for the characterization of fuel components in a novel tamper-resistant pill bottle," Journal of Pharmaceutical Innovation, vol. 1, 54-61, 2006.

Patents:

Pill Dispenser and Method, patent pending, SN 61/187,042, filed June 15, 2009.

Method and Device for Pill Dispensing, 7,392,918 B2, awarded July 1, 2008.

Synergistic Activities

Designed and helped build "Airways SGaw Using Temperature Humidity and MVV (Maximum Voluntary Ventilation) Apparatus (ASTHMA)" for Drs. Lu-Yuan Lee and Don Hayes of the Physiology and Pediatric Pulmonology Departments, University of Kentucky.

Designed and fabricated hundreds of polycarbonate mouse cages required to house mouse, piezoelectric sensors, and other required hardware for DOD sleep study performed by Dr. Bruce O'Hara (Biology Department), Dr. Kevin Donohue and Dr. Hank Dietz (Electrical and Computer Engineering Department)

Collaborators

Dr. Larry Holloway, Chair of Electrical and Computer Engineering Department