

Junghsen Lieh

Professor

Date of Initial Appointment: September 1, 1990 (18 years of service)

Education

Institution	Field of Study	Degree/Year
Clemson University	Mechanical Engineering	Ph.D./1990
Clemson University	Mechanical Engineering	M.S./1986
National Taiwan University	Agricultural Mechanical Engineering	B.S./1977

Professional Experience

Position	Institution	Dates
Professor	Wright State University, Mechanical Engineering	2008-Present
Associate Professor	Wright State University, Mechanical Engineering	1996-2008
Assistant Professor	Wright State University, Mechanical Engineering	1990-1996
Summer Faculty	Wright-Patterson Air Force Base Research Laboratory	1995-1997
Graduate Research Assistant	Clemson University, Mechanical Engineering	1987-1990
Mechanical Engineer	Gibsin Engineers Ltd.	1981-1985
Mechanical Engineer/Supervisor	Oak East Industrial Co. & Shun-Kun Ind.	1977-1981

Principal Publications (Last 5 Years)

- Lieh J (2008), "A Closed-form Method to Determine Vehicle Speed and Its Maximum Value," *International Journal of Vehicle Systems Modeling and Testing*, Vol. 3, Nos. 1/2, pp.1-13.
- Lieh J (2008), "A General Second-order Method for Designing Vibration Control Systems for Vehicle Application," *Journal of Dynamic Systems, Measurement and Control*, in press.
- Lieh J (2008), "Tire Damping Effect on Ride Quality of Vehicles with Active Control Suspensions," ASME *Journal of Vibration and Acoustics*, in press.
- Song XZ, Yen D and Lieh J (2007), "Dry Drilling Small Hole In Bimetal Part," *Transaction of North American Manufacturing Research Institution*, Vol. 35, pp. 161-168.
- Song XZ, Lieh J and Yen D (2007), "Application of Small Hole Dry Drilling in Bimetal Part," *Journal of Materials Processing Technology*, Vol. 186, No. 1-3, pp. 304-310.
- Lieh J and Li WJ (2006), "On-Line Fuzzy Logic Control of Bending Aircraft Engine Tube on Move," *Journal of Aircraft Manufacturing*, December issue.
- Lieh J (2006), "Determination of Cycling Speed Using a Closed-form Solution from Nonlinear Dynamic Equations," *Human Power Journal*, December, No. 3, pp. 1-9.
- Li Q, Lieh J, Mayer A (2005), "Large Deflection Of Laminated Circular Plates With Clamped Edge And Laterally Uniform Loads," *Journal of Process Mechanical Engineering*, Vol. 216 Part E, pp. 83-88.
- Zhang H, Lieh J, Yen D (2004), "Dynamic Performance of Shoe Centerless Grinding," *Journal of Engineering Manufacture*, Vol. 218, No. B8, August 2004, P. 939-947.
- Zhang H, Lieh J, et al (2003), "Geometry Analysis and Simulation in Shoe Centerless Grinding," ASME *Journal of Manufacturing Science and Engineering*, Vol. 125, May 2003, pp. 304-309.

Honors and Awards (Since Joining WSU)

- WSU College of Computer Science and Engineering Dean's Commendation--2003, 04, 05, 06, 07, 08
- WSU Presidential Commendation for Team Extra-curriculum Activities--2003, 04, 05, 06, 07, 08
- Society of Automotive Engineers (SAE) Teetor Educational Award, 1997
- WSU ASME Chapter Faculty Advisor Award, 1993
- Hoechst-Celanese Doctoral Award, 1990
- Student Competition Team Awards (Advisor)
 - 2008: 1st and 2nd places in ASME-HPV Utility Vehicle Duration & Multi-rider Vehicle Duration
3rd place in Battery-Powered Leaf Vacuum Design, California Air Quality
 - 2007: 2nd place in ASME-HPV Utility Vehicle Overall
 - 2006: 1st place in ASME-HPV Multi-rider Vehicle Design & Utility Vehicle Design
 - 2005: 1st and 2nd places in ASME-HPV Utility Vehicle Design/Endurance/Overall & Multi-rider vehicle overall
 - 2004: 1st and 3rd place in ASME-HPV Utility Vehicle Endurance & Utility Vehicle Overall
 - 2003: 2nd place in ASME-HPV Utility Vehicle Overall