



KELLY C. BAILO, P.E.

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CURRICULUM VITAE

EDUCATION

Post Graduate	PhD Candidate - Mechanical Engineering University of Michigan, Ann Arbor, Michigan	2001
M.S.	Engineering Mechanics University of Missouri, Rolla, Missouri	1988
B.S.	Mechanical Engineering Michigan Technological University, Houghton, Michigan	1984

PROFESSIONAL EXPERIENCE

<i>Engineer / Technician</i>	2009-Present Accident Reconstruction Engineering Consultants, Inc, South Lyon, Michigan
<i>Graduate Research Assistant</i>	1992-2001 University of Michigan, Ann Arbor, Michigan
<i>Engineer</i>	1989-1992 Altair Engineering, Troy, Michigan
<i>Engineer</i>	1984-1989 Emerson Electric Corporation, St. Louis, Missouri

PROFESSIONAL REGISTRATIONS

Professional Engineer/Licensed in State of Michigan

PROFESSIONAL AFFILIATIONS

Society of Automotive Engineers (SAE)
American Society of Mechanical Engineers (ASME)

PUBLICATIONS

JOURNAL

- K. Bailo, D. Brei and K. Grosh, "Investigation of Curved Polymeric Piezoelectric Active Diaphragms", *ASME Journal of Vibration and Acoustics*, June 2000.

CONFERENCE

- K.C. Bailo, D. Brei, and F. T. Calkins, "Investigation of PVdF Active Diaphragms for Synthetic Jets," *SPIE 7th Annual Symposium on Smart Structures and Materials*, Newport Beach, CA, Vol. 3991-29, March 2000.
- K.C. Bailo, D. Brei and K. Grosh, "Investigation of the Effect of the Angle of Incidence on Polymeric Piezoelectric Acoustic Transducer Performance", *1998 ASME IMECE: ASME Vibration and Noise Control*, Anaheim, CA, Nov. 15-20, 1998, DE.-Vol 97, DSC-Vol. 65, pp. 85-92.
- K.C. Bailo, D. Brei and K. Grosh, March 1998, "Investigation of Polymeric Piezoelectric Acoustic Semi-circular Transducer", *SPIE Smart Structures and Materials: Smart Structures and Integrated Systems*, San Diego, CA, Vol. 3329, pp. 150-160.

MAJOR INDUSTRIAL

- K.C. Bailo and D.E. Brei, September 1999, "Design Study of Synthetic Jets," Final Report to *Boeing Phantom Works*, 53 pages.
- K.C. Bailo, D.E. Brei and K. Grosh, June 1998, "Proof of Concept of a Novel Acoustic Transducer as a Sound Source for a Backup Alarm," Final Report to *Caterpillar Inc.*, 99 pages.

COMMUNITY SERVICE

<i>High School Math & Physics Tutor</i>	1991-Present
<i>Destination Imagination</i> Team Manager, Appraiser, Affiliate Challenge Master	1999-Present
<i>Girl Scouting</i> Leader, Service Unit Treasurer	1991-2008
<i>Sunday School Teacher</i>	2004-2007
<i>High School Booster Clubs</i> Photographer, Yearbook creator, and much more	1991-2008

SPECIALIZED TRAINING

2012

11th Annual ARC-CSI Crash Conference
Blowouts & tire pressure, Ford RCM-PCM RDS,
Multiple Impact Scenarios and relate topics