

## Curriculum Vitae – Ronald Scott Coppersmith

### Education

2001 Bosch Management Development Program, IUSB South Bend, IN

1987 BS EE Michigan Technological University, Houghton, MI

### Professional Experience

2010- Sr. Research Engineer, Civil Engineering, University of Notre Dame, Notre Dame, IN  
*Department of Civil & Environmental Engineering and Earth Sciences Projects Including*

- 2020 – SWEX Field Experiment, Santa Barbara, CA
- 2019 – MISO-BOB Field Experiment, Indian Ocean
- 2019 – Magellan Straits Field Experiment, Chile
- 2018 – MISO-BOB Field Experiment, Indian Ocean
- 2018 – C-FOG Field Experiment, Nova Scotia and Newfoundland, Canada
- 2014 – MATERHORN Complex Terrain Field Experiment, Dugway, Utah

2004-2013 Adjunct Faculty, Ivy Tech Community College, South Bend, IN

*Department of Engineering Technology and Apprenticeship Classes*

- Introduction to Microcontrollers
- C Programming
- Technical Graphics using AutoCAD
- Kinematics of Machinery
- Hydraulics
- Product Design and Application

1996-2010 Sr. Engineering Supervisor, Robert Bosch LLC, South Bend, IN

*Medium-Heavy Truck ABS Brake Testing Department Supervisor*

1993-1996 Staff Electrical Engineer, Allied Signal Corp, South Bend, IN

*ABS Brake Department On-Site Tier 1 Supplier Interface For Chrysler Motors*

1991-1993 Field Applications Engineer, ENCO Systems, Bloomfield Hills, MI

*Philips Optical Audio Applications Engineering for North America*

- US Design Patent DES. 355,656 Audio Mixer.

1988-1991 Contract Engineer, Chrysler Motors, Auburn Hills, MI

*Engine Management and Body Controller Hardware and Software Engineering*

### Professional Organizations

- Institute of Electrical and Electronic Engineers (IEEE)
- Society of Automotive Engineers (SAE)
- Lions Clubs International

### Publications

- H.J.S. Fernando, et al “C-FOG: Life of Coastal Fog”, Bulletin of the American Meteorological Society, 2020, In Press. DOI: 10.1175/BAMS-D-19-0070.1
- H.J.S Fernando, et al BAMS-D-13-00131 Apr 22, 2015 - "THE MATERHORN - Unraveling the Intricacies of Mountain Weather"
- Circuit Cellar magazine September 2015 – “The Future of Engineering Research & Systems Modeling”
- Circuit Cellar magazine March 2009 – “A WiFi Internet Controlled Robot”
- Circuit Cellar magazine April/May 1991 – “A PC Controlled Light Show”