

1. **Name:** James M. Conrad

Academic Rank: Professor

2. **Degrees:**

BSCS	University of Illinois, Urbana/Champaign	1984
MS	North Carolina State University	1987
PhD	North Carolina State University	1992

3. **UNC Charlotte (number of years = 13)**

- Professor: 2013 - present
- Associate Professor: 2003 - 2013

North Carolina State University (number of years =6)

- Part-time Adjunct Assistant Professor - 1997-2003

University of Arkansas (number of years = 3)

- Assistant Professor - 1992-1995

4. **Other related experience:**

- Project Manager/Software Engineer, Ericsson/Sony Ericsson 1997-2003
- Project Manager/Software Engineer, BPM Technology, 1996-1997
- Software Engineer, IBM, 1984-1990

5. **Certifications or professional registrations:** Professional Engineer, NC; Project Management Professional (PMP)

6. **Current membership in professional organizations**

- IEEE (Senior Member), IEEE Educational Society, IEEE Robotics and Automation Society, IEEE Computer Society (1984 – present)
- ASEE (2005 – present)
- Project Management Institute (PMI) (2003 – present)

7. **Honors and awards:**

- Nominated for Carnegie Professor of the Year Award 2013.
- UNC Charlotte College of Engineering Undergraduate Award in Teaching Excellence, 2012.
- IEEE-USA Outstanding Service Award, 2012.
- IEEE Region 3 Outstanding Educator Award, April 2007.

8. **Institutional and professional service in the last five years:**

- UNC Charlotte Department Review Committee, 2015 - 2016.
- University Communication across the Curriculum Steering Committee, 2011-present.
- Advisor, Charlotte Area Robotics Club (UNC Charlotte student club), 2008 - present.
- ABET Evaluator, November 2011, October 2012, October 2014, and October 2015.
- IEEE Board of Directors, IEEE-USA Board of Directors, 2016-2017.
- IEEE Region 3 Director-Elect, 2014-2015.
- NC FIRST Board of Directors, 2015 - present.
- Board of Directors, STEM Career Path Project, 2013 - present.

9. Principal publications of last five years:

- James M. Conrad, *Embedded Systems: An Introduction Using the Renesas RX63N Microcontroller*, ISBN 978-1-935772-94-1, Micrium Press, Weston, FL, 2014. Published electronically, to be printed in 2015.
- James M. Conrad, *An Introduction to Computer Engineering Using the Renesas Sakura Microcontroller Board*, ISBN 978-1-935772-92-7, Micrium Press, Weston, FL, 2014. Published electronically in 2014, to be printed in 2015.
- James M. Conrad, Margaret S. Harkins, D. Bruce Taylor, Jonathan Mayhorn, and Jeff Raquet, "Prospect for Success in Engineering: Assessing Freshmen Curriculum Engagement," *Proceedings of the Seventh Annual First Year Engineering Experience (FYEE) Conference*, Blacksburg, VA, pp. M4C-1 – 6, August 2015.
- Nabila BouSaba and James M. Conrad, "Promoting Entrepreneurial Skills through Senior Design Projects," *Proceedings of the 2015 ASEE Conference*, Seattle, WA, June 2015.
- Tanmay U. Sane, Samuel L. Shue, and James M. Conrad, "Implementation of Dynamic Source Routing using 802.15.4 on XBee Series 1 Modules," *Proceedings of the 2015 IEEE SoutheastCon*, Ft. Lauderdale, FL, April 2015.
- Pranay Shekhar Kona, Prasad V. Iyengar, and James M. Conrad, "Algorithm-Based, Single Axis Rotation of a Solar Panel Apparatus for Low Power Devices," *Proceedings of the 2015 IEEE SoutheastCon*, Ft. Lauderdale, FL, April 2015.
- Samuel L. Shue and James M. Conrad, "Development of a Portable XBee C Library and RSSI Triangulation Localization Framework," *Proceedings of the 2014 11th International Conference on High Capacity Optical Networks and Enabling Technologies (HONET-CNS)*, Charlotte, NC, pp. 125-128, December 2014.
- Audrow J. Nash, Terrill E. Massey, Christopher J. Wesley, Saketh Simha Kosanam, and James M. Conrad, "Towards Establishing and Maintaining Autonomous Quadrotor Formations," *Proceedings of the 11th International Conference on Informatics in Control, Automation and Robotics (ICINCO)*, Vienna, Austria, vol. 2, pp. 634-639, September 2014.
- Nabila BouSaba, Jean Coco, James M. Conrad, Robert Cox, and Mehdi Miri, "Improving Oral Presentation in the Electrical and Computer Engineering Department: A Four Course Study," *Proceedings of the 2014 ASEE Conference*, Indianapolis, IN, June 2014.
- James M. Conrad and Alexander G. Dean, *Embedded Systems: An Introduction Using the Renesas RX62N Microcontroller*, ISBN 978-1-935772-99-6, 526 pages, Micrium Press, Weston, FL, 2011.

10. Professional development activities in the last five years:

- IEEE SoutheastCon Conference -Technical Program: 2005-2015 (presenter most years).
- ASEE Annual Conference - Technical Program, 2007-2013 (presenter most years).
- ABET Symposium, 2010-2013, 2015 (presenter 2011-2013, 2015).
- Rightful Owners - Intellectual Property and Innovation Workshop, IEEE-USA Annual Meeting, May 15, 2015.
- UNC Charlotte Faculty and Teaching Effectiveness Workshops, 2003-present.
- UNC Charlotte Prospect for Success Teaching Workshops, May 2014 and 2015.
- UNC Charlotte Workshop on Freshman Education - Top 40 Freshman Success Academy, Summer/Fall 2012.
- UNC Charlotte Workshop on Communicating through the Curriculum, May 10-11, 2012.