

Michael A. Anthony, P.E. (Mike)

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EXPERIENCE

[Standards Michigan Group](#) | 2016 – Present | Founder

[IEEE Education & Healthcare Facilities Committee](#) | 2014 - Present | Founding Chairman

[University of Michigan Business & Finance](#) | 1982 – 2016

Faculty Assistant on National Institute of Standards & Technology Grant (2017-2019)
Senior Manager, Business & Finance (2007 – 2016)
Senior Electrical Engineer, Facility Planning & Design (2002 – 2007)
Utility Department High Voltage Electrical Engineer (1987 – 2002)
Design Engineer II (1982 – 1987)

EDUCATION

Bachelor of Science, Engineering, University of Michigan, Ann Arbor (1988)
Bachelor of Arts, University of Michigan, Ann Arbor (1983)
Additional Coursework: Harvard University, Michigan State University, Georgia Institute of Technology, Westinghouse/ABB Electrical Engineering (Entire Utility Engineering Curriculum).

APPOINTMENTS

- [National Electrical Code CMP-1 and CMP-15](#). Since 1999
- [IEEE National Electrical Safety Code](#) (Committee Assignment Pending)
- [IEEE 3001.9 Industrial & Commercial Lighting](#) (Outside Lighting Author)
- [IEEE Reliability Committee](#) & [IEEE Forensics Engineering Working Group](#)
- [IEEE Region 4](#) - Mentor to [Southeast Michigan Section Student Chapters](#)
- [American National Standards Institute, Company Member & Committee on Education](#)
- [ANSI US IEC National Committee](#), US National Committee, 2012 – 2019

SELECTED PROJECTS

- First in-house full-time high voltage engineer for a US University 1982: Directed expansion of UM grid from 80 MVA to 200 MVA connected (1987-2002). 25 new DTE services: 13.8 - 40 kV
- Developed UM's first electrical design guidelines and specifications (1988)
- Central Heating Plant: Project lead for new team and gas turbine generators 1985-1995
- 100+ building power substation and switching station, energy control and communication upgrades
- Michigan Athletic Campus Expansion & 2009 \$300 million Football Stadium Renovation
- Athletic Campus Emergency & Standby Power System and telecommunications upgrade
- 100's of building renovations and site lighting projects in the \$50,000 to \$5,000,000 construction cost range for most academic and healthcare units on the Ann Arbor campus.

PUBLICATIONS

Textbooks:

[Anthony, M, “Electrical Power System Protection & Coordination,” \(1994\), McGraw-Hill Book Company, ISBN 0-07-002671-8](#)

[Anthony, M, “NEC Answers,” \(1999\), McGraw-Hill Book Company, ISBN-10: 0071344942](#)

[“Sustainable On-Site CHP Systems,” \(2010\), Edited by Milton Meckler & Lucas Hyman, McGraw-Hill Book Company \(Chapter 23: Government Facility Mission-Critical\), ISBN 978-0-07-160317-1](#)

Selected IEEE Papers:

- [Resilience of Hospital Power Systems in the Digital Age](#)
- [Adequacy of Hospital Power Systems as Strategic Operational Structures](#)
- [The safety and economic benefit of reduced power design densities permitted in the 2014 NEC](#)
- [Rightsizing Electrical Power Systems in Large Commercial Facilities](#)
- [Coordinating the development cycles of the IEEE 3000-series recommended practices with the NEC](#)
- [Rightsizing Commercial Electrical Power Systems: Review of a New Exception in NEC Section 220.12](#)
- [New Education and Healthcare \(E&H\) facilities committee](#)
- [The In-Op Design of Electrical Distribution Systems Based on Microsystem Criteria](#)
- [Reliability engineering applied to Critical Operations Power Systems](#)
- [Reliability Analysis for Power to Fire Pump Using Fault Tree and RBD](#)
- *Other peer reviewed publications:*
 - [Curriculum Vitae](#)
 - [Journal of Healthcare Management Standards](#) (Hospital Power System Reliability)

SKILLS

- Microsoft Office & Google Workspace suites, Wordpress, Light CSS, PHP and Python coding. AutoCAD

AWARDS

- Business & Finance Division Perfect Attendance Award several times (most recent 2014)
- Presidential Award, Midwest Region APPA (2013)
- Co-Author, “Prize Paper” Award, IEEE Industrial Applications Society (2012)

LICENSURE

State of Michigan No. 041988
State of Wisconsin (Pending)

References available upon request.