

Faculty Vitae

1. Name: Michael J. Carter

2. Education

B.S.E., Electrical Engineering (*summa cum laude*), University of Michigan, 1975.

M.S., Electrical Engineering, Stanford University, 1976.

Ph.D., Computer, Information, and Control Engineering, University of Michigan, 1984.

3. Academic Experience

1993- Associate Professor, Department of Electrical and Computer Engineering,
University of New Hampshire (full time)

1987-93 Assistant Professor, Department of Electrical and Computer Engineering,
University of New Hampshire (full time)

4. Non-Academic Experience

1984-87 Member of the Technical Staff, Lincoln Laboratory, Massachusetts Institute of
Technology. Satellite Communication Systems Engineering Group and
Optical Communication Technology Group (full time)

Summer Research Appointments

1978 Space Physics Research Laboratory, University of Michigan

1976 Environmental Research Institute of Michigan (ERIM)

1975 National Radio Astronomy Observatory, Electronics Division

1974 NASA Langley Research Center, Flight Avionics Division

Consulting Relationships

2016 AMI R&D, Merrimack NH. Research on wireless power transmission systems.

1997-2002 More than 20 New Hampshire communities and citizen groups, and the New
Hampshire Legislature. Land use ordinance development for cellular wireless
base station siting.

1996 John Wiley & Sons, New York, NY. Communication systems laboratory
textbook development.

1995-99 North America Technitron Corp., Manchester, NH. Electronic design for home
security products.

1995 National Science Foundation. Site review for Louisiana EPSCOR grant: neural
network architectures and learning algorithms.

1990-92 D&D Fiber-Reinforced Plastics, Rochester, NH. Analysis and design of compact
HF antennas.

1989-90 Lincoln Laboratory, Massachusetts Institute of Technology. Neural network
architectures and learning algorithms.

5. Professional Engineering Registration

2010- Licensed Professional Engineer, #13313, New Hampshire State Board of
Professional Engineers

6. Professional Organization Memberships: IEEE; Sigma Xi, The Scientific Research Society

7. Honors and Awards

At University of New Hampshire

Tau Beta Pi Outstanding Teacher Award, Dept. of Electrical and Computer Engineering, 1993-94 and 1995-96.

Sigma Xi, 1992.

General Electric Foundation Young Faculty Award, 1989-92.

Analog Devices Career Development Professor, University of New Hampshire, 1988-91.

At Prior Institutions

Rackham First Year Graduate Fellowship, University of Michigan, 1976-77.

Stanford University Fellowship, 1975-76.

James B. Angell Scholar, University of Michigan, 1975.

Distinguished Undergraduate Achievement Award, College of Engineering, University of Michigan, 1975.

William Harvey Seeley Award, Dept. of Electrical and Computer Engineering, University of Michigan, 1975.

Eta Kappa Nu, 1975.

Tau Beta Pi, 1974.

8. Service Activities

University Level

AAUP -UNH Chapter: President (2016-18), At-Large member of Executive Committee, Collective Bargaining Team member, department representative to Collective Bargaining Caucus

Faculty Senate: ECE Senator, Finance & Administration Committee (chair), Professional Standards Committee (college representative)

College Level

Chief Faculty Advisor, NH Alpha Chapter of Tau Beta Pi

College Promotion and Tenure Committee, Chair

Graduate Program Review Committees for Department of Chemical Engineering, Department of Mechanical Engineering (UNH Representative on External Review Teams)

Department Level

ECE Undergraduate Committee, Member

ECE Laboratory and Equipment Committee, Member

Summer First Year Student Orientation, Faculty Advisor

9. Publications and Presentations within past 5 years – none

10. Professional Development Activities

Earned more than 45 Professional Development Hours (PDHs) each year in support of P.E. licensure maintenance. Areas include renewable energy systems, IEEE SmartGrid initiatives, communication systems test & measurement.