

# **CURRICULUM VITAE**

**March 30, 2017**

**Martin E. Gordon, PE**



1. Name Martin E. Gordon, PE, S.NAFE
2. Affiliation Rochester Institute of Technology  
College of Applied Science and Technology  
Mechanical, Manufacturing and Electrical/Mechanical Engineering Technology
3. Age 56
4. Academic Rank Professor and Program Director for Undergraduate Studies
5. Degrees BS – Mechanical Engineering University at Buffalo, 1981  
MS – Mechanical/Systems Engineering University at Buffalo, 1984  
MBA - Organizational Behavior Focus University at Buffalo, 1990
6. Years of Service as Faculty at RIT / Total Years of Professional Experience  
22 years at RIT / 36 total years of professional experience
7. Other Teaching Experience and Service  
Niagara County Community College – Mechanical Technology Advisory Board – 2006 - 2016  
Adjunct Faculty - University at Buffalo - Mechanical and Aerospace Engineering – 2004-2006  
Teaching Assistant - University at Buffalo, 1982-1984  
Laboratory Instructor - University at Buffalo, 1982-1984
8. Full-time Industrial Experience  
Moog Incorporated, East Aurora, NY; Systems Application Engineer, Project Engineer, Senior Project Engineer, Product Manager; 1984 - 1995.
9. Courses Taught

Traffic Accident Reconstruction	Land Vehicle Dynamics	Human Factors & Ergonomics
Failure Mechanics	Applied Mechanics	Principles of Mechanical Design
Materials Testing	Dynamics	Computer Applications for Engr
Statics	Fluid Mechanics	Parametric Modeling and CAD
Heat Transfer	Thermodynamics	Assembly Automation
Metrology	Applied Structural FEA	Thermofluids Lab
Strength of Materials	Machine Design	Vibration and Noise
Mechanical Analysis and Design	Mechanical Dynamics	Pneumatics and Hydraulics
10. Professional Registrations  
Registered New York State Professional Engineer, License No. 080518  
Board Certified Diplomat in Forensic Engineering by NAFE, a CESB Member Board, Senior Member No. 699  
Certified Bosch CDR Trainer/Mentor  
Certified Bosch CDR Data Analyst
11. Scientific and Professional Societies  
National Academy of Forensic Engineers – President-Elect  
SAE – member, Past Chairman WNY Section  
Association for the Advancement of Automotive Medicine – AAAM - Member  
American Society of Engineering Educators – ASEE - Member  
American Society for Testing and Materials – ASTM (E58 -Forensic Engineering standards committee)  
Practicing Institute of Engineering – PIE - Member  
National Society of Professional Engineers – NSPE – Member, Secretary, Monroe PE Society  
New York Statewide Traffic Accident Reconstruction Society - NYSTARS -Member  
New York State Engineering Technology Association – NYSETA-Member

12. Recent Seminars and Special Training Attended

NAFE January 2017 General Topics in Forensic Engineering Seminar – Accident Reconstruction Track  
NAFE January 2017 Special Topics Seminar  
NAFE July 2016 General Topics in Forensic Engineering Seminar  
NAFE January 2016 General Topics in Forensic Engineering Seminar  
NAFE January 2016 Special Topics Seminar – Accident Reconstruction Breakout  
NAFE July 2015 General Topics in Forensic Engineering Seminar  
NAFE July 2015 Special Topics Seminar - Accident Reconstruction Breakout  
NAFE January 2015 General Topics in Forensic Engineering Seminar  
NAFE January 2015 Ethics, Rules & Laws, Daubert Proofing and Unreasonably Dangerous Products Seminar  
DSD PC-Crash Advanced Simulation Training July 2014  
NAFE July 2014 General Topics in Forensic Engineering Seminar  
NAFE July 2013 General Topics in Forensic Engineering Seminar  
NAFE July 2013 Advanced Accident Reconstruction Seminar  
ARC-SCI January 2013 CDR Summit  
ARC-CSI January 2013 CDR Trainer/Mentor Course  
ARC-CSI May 2012 Crash Conference  
NAFE January 2012 General Topics in Forensic Engineering Seminar  
NAFE January 2012 Reports, Affidavits, Depositions and Ethics Seminar  
CSI June 2011 Certified Bosch CDR Data Analyst Training  
ARC-SCI May 2011 Crash Conference  
NAFE January 2011 General Topics in Forensic Engineering Seminar  
NAFE January 2010 General Topics in Forensic Engineering Seminar  
NAFE January 2009 General Topics in Forensic Engineering Seminar  
NAFE January 2009 Gathering, Storing, Analyzing, Documenting and Reporting Seminar  
NAFE January 2008 General Topics in Forensic Engineering Seminar  
NAFE January 2008 Medical Information and Standards for Engineering Evidence Seminar

13. Engineering Analysis and General Consulting

Cummins Engine, Jamestown, NY	Moog Incorporated, East Aurora, NY
Prentice-Hall, Upper Saddle River, NJ	Johnson and Johnson, OCD, Rochester, NY
SAIC, Washington, DC	JC Carter Incorporated, Costa Mesa, CA
Thermo Fisher Scientific, Rochester, NY	Tactair, Syracuse, NY

14. Forensic Engineering and Expert Witness Clients

Client references are available upon request. I have worked with over 50 firms. My caseload is equally balanced between plaintiff (60% of cases) and defense (40% of cases). I have testified in court and have been cross-examined in 9 separate trials.

15. Publications and Conference Presentations

Gordon, M.E., “Finding and Using a Forensic Engineer in Personal Injury Cases”, invited lecture and panel discussion at the University of Buffalo Law School, October, 2016.

Gordon, M.E., Pearson, J. J. , “Preliminary Analysis of Roadway Accident Rates for Deaf and Hard-of-Hearing Drivers – Forensic Engineering Application”, Journal of the National Academy of Forensic Engineers, Vol. 33, No. 1, June 2016.

Gordon, M.E., Pearson, J. J. , “Highway Accident Rates for Deaf and Hard of Hearing Drivers – Forensic Engineering Application”, NAFE Seminar Tampa, FL, January 2016.

Gordon, M.E., “The Role of the Engineering Expert Witness”, invited lecture and panel discussion at the University of Buffalo Law School, October, 2015.

Gordon, M.E., “Forensic Engineering Investigation of a Three Vehicle Accident”, NAFE Seminar Washington, DC, July 2014.

Gordon, M.E., "Forensic Engineering Investigation of a Three Vehicle Accident", Journal of the National Academy of Forensic Engineers, Vol. XXXI, No. 2, December 2014.

Gordon, M.E., "What is a Forensic Engineer?", invited lecture and panel discussion at the University of Buffalo Law School, October, 2014.

Gordon, M.E., "Forensic Engineering Investigation: Crash of a Tractor Trailer into a Delivery Van", NAFE Seminar Minneapolis, MN, July 2013.

Gordon, M.E., "Forensic Engineering Investigation: Crash of a Tractor Trailer into a Delivery Van", Journal of the National Academy of Forensic Engineers, Vol. XXVIII, No. 1, June 2011.

Hallbach, D., Gordon, M.E., "Baja SAE Competitions: Meeting and Interacting with International Students – Experiences of Student and University Participants", ASEE National Conference, Austin, TX, 2009.

Trauger, B., Gordon, M.E., "Co-op Experiences of Deaf Engineering Technology Students", paper presented at the Spring 2008 CAST Scholarship Colloquium, 2008.

Gordon, M.E., Mallory, J.M., "Deaf and Hard-of-Hearing Engineering Technology Students: A Distinct Diversity Group" presented at 2007 CIEC Conference in Palm Springs, CA, 2007.

Lundgren, C., Leonard, W., Gordon, M.E., "From 'Imagineering' to Engineering: Engaging Students in Their Education", Paper presented at the National Collegiate Inventors and Innovators Alliance Meeting March 14 – 16, 2002.

Gordon, M.E., "Liquefied Natural Gas Connectors", Paper presented at Minnegasco's Making a Clean Break with LNG 1995, 1995.

Gordon, M.E., "Liquefied Natural Gas Couplings", SAE Liquefied Natural Gas TOPTEC, 1993.

Gordon, M. E., "Iso-Couplings: An Improved Thermal System Fluid Interface for ORU's", SAE Technical Paper Series, Paper No. 921147, 1992.

16. Honors, Awards, Patents

US Patent No. 5429155, "Cryogenic Fluid Coupling"  
Recipient – 2013 RIT Coaches Appreciation Award  
Recipient - 1997 RIT Provost's Excellence in Teaching Award  
Nominee – RIT Eisenhart Outstanding Teacher Award (multiple nominations)  
Member Beta Gamma Sigma - National Business Honor Society  
1994-1995 SAE Outstanding Younger Member Award

17. Other Duties Performed for Regular Base Salary

*RIT Duties*

Faculty Advisor, Baja SAE Club, 1995 - present  
NCAA Faculty Athletic Representative, 2004 – present  
Faculty Advisor, Men's Ice Hockey Club, 2007 – present  
Faculty Co-Advisor, Running and Multisport Club, 2011 – present  
Institute Athletics Compliance Committee, 2012-present  
Chief Organizer, 2016 Baja SAE Rochester World Challenge, 2015-2016  
RIT Global Education Taskforce, 2014-2015  
DiscoverRIT Niagara Falls Bicycle Adventure Leader, 2012 - 2013  
Chief Organizer, 2013 Baja SAE Rochester World Challenge, 2012-2013  
Chief Organizer, 2010 Baja SAE Rochester World Challenge, 2009 -2010  
Chief Organizer, 2007 Baja SAE Rochester World Challenge, 2006 -2007  
Faculty Advisor, Men's Rugby Club, 1996 - 2007  
Assistant Coach, RIT Women's Hockey Team, 2003 - 2006  
Chief Organizer, 2005 SAE Mini-Baja East, 2003 – 2005  
Learning Development Center Advisory Board, 2002 - 2004  
Provost's Excellence in Teaching Award Committee, 2002 - 2003

RIT Campus Environment Committee, 2000 - 2001  
Provost's Excellence in Teaching Award Committee, 1998 - 1999

*College Duties*

CAST Promotion Committee, 2016 - present  
CAST Tenure Committee, 2008 - 2011  
CAST Curriculum Committee, 2002 – 2005  
CAST Mid-Tenure Committee, 2002 – 2003  
Chairman, CAST Mid-Tenure Committee, 2001-2002  
CAST/COB Eisenhart Selection Committee, 1999 – 2000

*Department Duties*

MMET/PS QTS Mechanics Group Committee, 2009 – 2013  
MMET/PS QTS Technical Electives Group Committee, 2009 – 2013  
MMET/PS QTS Mechanical Design Group Committee, 2009 – 2013  
MMET/PS Chair Search Committee, 2007 - 2008  
MMET/PS Website Committee, 2003 - 2005  
MMET/PS Software Committee, 2002 – 2004  
MET Faculty Search Committee, 2005 -2006  
MET Curriculum Committee, 2003 – 2005  
Planning Committee, Mechanical Session Coordinator, Spring 2001 NYSETA Conference, 2000-2001  
MET Lower Division Design Experience Ad-hoc, 2000 - 2001  
MMET/PS New Faculty Search Committee, 1999 - 2000

18. Other Information

*Professionally Related*

Moderately Fluent in American Sign Language and Portuguese

*Community Related*

Race Director, Rochester River Chase 2014  
Ironman Lake Placid Finisher 2012  
Assistant Coach – McQuaid Jesuit JV Ice Hockey Team 2012-2014  
Lifeguard – Ironman Lake Placid 2011 & 2013 through 2016  
Member Rochester Bicycle Club  
Former Member Niagara Frontier Bicycle Club  
Former Project Lead the Way -- Program Evaluator  
Former Judge, Invention Convention, Iroquois Central Schools.  
Former Judge, Invention Convention, Clarence Central Schools.  
Music Producer for the 2005 through 2009 Gliding Stars Shows  
Music Producer for the 2001 through 2004 Skating Association for the Blind and Handicapped Shows  
United States Figure Skating Association, Eastern United States Sectional Music Coordinator  
Past President and Board Member, Buffalo Skating Club  
Certified Red Cross Lifeguard  
ADK 46r #5923  
USA Track and Field – member (Niagara Region)  
USA Triathlon – member (Northeast Region)  
Genesee Valley Harriers Running Club – member  
Rochester Area Triathletes (RATS) – member  
Buffalo Triathlon Club – member, past board member