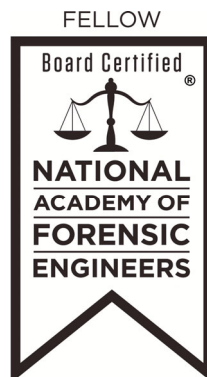


# CURRICULUM VITAE

November 1, 2021

**Prof. Martin E. Gordon, PE, DFE**

*Past-President and Fellow, National Academy of Forensic Engineers*



1. Name Prof. Martin E. Gordon, PE, DFE
2. Affiliation Rochester Institute of Technology  
College of Engineering Technology  
Department of Mechanical and Manufacturing Engineering Technology
3. Age 61
4. Academic Rank Professor and Director for External Academic Relations
5. Degrees

BS – Mechanical Engineering	University at Buffalo
MS – Mechanical/Systems Engineering	University at Buffalo
MBA - Organizational Behavior Focus	University at Buffalo
6. Years of Service as Faculty at RIT / Total Years of Professional Experience  
26 years at RIT / 40 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. Selected 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 Engineering
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 Professional Engineer, New York – 080518; Pennsylvania - PE092016; Texas - 135567  
Board Certified Diplomate in Forensic Engineering by NAFE, a CESB Member, Fellow No. 699  
Certified Bosch CDR Trainer/Mentor and Data Analyst
11. Scientific and Professional Societies  
National Academy of Forensic Engineers (NAFE) – Board of Directors, Past-President and Fellow  
American Society of Engineering Educators (ASEE) – Vice-President, Institutional Councils  
Journal of the National Academy of Forensic Engineers – Past Editor-in-Chief  
SAE (formerly known as the Society of Automotive Engineers) – Past-Chairman WNY Section  
American Society for Testing and Materials (ASTM) - E58 -Forensic Engineering Standards Committee  
Association for the Advancement of Automotive Medicine (AAAM) – Member, Policy Committee  
New York Statewide Traffic Accident Reconstruction Society (NYSTARS) - Member  
National Council of Examiners for Engineering and Surveying (NCEES), POLC, 2018-2019 Education Committee  
National Society of Professional Engineers (NSPE) – National Committee on Policy and Advocacy, Secretary, MPES  
Practicing Institute of Engineering (PIE) – Board of Trustees 2020-2023

12. Selected Meetings, Seminars and Special Training Attended

NAFE July 2021 Forensic Engineering Technical Seminars  
NAFE July 2021 Forensic Engineering Education Seminars  
NAFE January 2021 Forensic Engineering Technical Virtual Seminar  
NAFE January 2021 Forensic Engineering Education Virtual Seminar  
ASME Connect the Dots Convening 2020 – Keynote Speaker  
NAFE July 2020 Education Virtual Seminar – General Forensic Engineering  
NAFE January 2020 Forensic Engineering Seminar – Moderator, Mechanical Tracks  
NAFE January 2020 Special Topics Seminar – General, Marine and Aquatics Forensic Engineering Tracks  
Engineering Technology Leadership Institute, October 2019  
NCEES Annual Congress, August 2019  
NAFE July 2019 Forensic Engineering Seminar – Accident Reconstruction Track and Mechanical Track  
NAFE July 2019 Special Topics Seminar – General Forensic Engineering  
ASEE Conference, June 2019  
ASEE CIEC, February 2019  
NAFE January 2019 General Topics in Forensic Engineering Seminar – General Track  
NAFE January 2019 Special Topics Seminar, Mock Depositions  
NYSTARS Joint Conference October 2018 – General Sessions on Accident Reconstruction  
Engineering Technology Leadership Institute, October 2018  
NCEES Annual Congress, August 2018  
NAFE July 2018 General Topics in Forensic Engineering Seminar – Accident Reconstruction Track  
NAFE July 2018 Special Topics Seminar – Forensic Photography, Crash Tests, Forensic Surveying, Mock Trial  
NSPE Conference, July 2018  
ASEE Conference, June 2018  
NYSP CRU Training June 2018 – assisted with equipment and setup  
NAE-AAES Convocation of the Professional Engineering Societies (by invitation) April 2018 - Cybersecurity  
NYSTARS March 2018 Seminar - Forensic Photography and Reconstruction Case Studies  
ASEE CIEC, February 2018  
NAFE January 2018 General Topics in Forensic Engineering Seminar – Accident Reconstruction Track  
NAFE January 2018 Special Topics Seminar – Fire Investigation Track  
Engineering Technology Leadership Institute, October 2017  
NAFE July 2017 General Topics in Forensic Engineering Seminar – Accident Reconstruction Track  
NAFE July 2017 Special Topics Seminar  
ASEE Conference, June 2017  
AAES National Engineering Public Policy Symposium (by invitation) May 2017  
NAE-AAES Convocation of the Professional Engineering Societies (by invitation) May 2017 – Autonomous Vehicles  
NYSP CRU Training April 2017 – assisted with setup and training  
ASEE CIEC, February 2017  
NAFE January 2017 General Topics in Forensic Engineering Seminar – Accident Reconstruction Track  
NAFE January 2017 Special Topics Seminar  
Engineering Technology Leadership Institute, October 2016  
NAFE July 2016 General Topics in Forensic Engineering Seminar  
ASEE Annual Conference and Seminars, June 2016  
NYSP CRU Training April 2016 – developed e-brake system and assisted with setup and training  
NAFE January 2016 General Topics in Forensic Engineering Seminar  
NAFE January 2016 Special Topics Seminar – Accident Reconstruction Breakout  
Engineering Technology Leadership Institute, September 2015  
NAFE July 2015 General Topics in Forensic Engineering Seminar  
NAFE July 2015 Special Topics Seminar - Accident Reconstruction Breakout  
NYSP CRU Training April 2015 – by invitation  
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  
NYSP CRU Training April 2014 – by invitation  
NAFE July 2013 General Topics in Forensic Engineering Seminar  
NAFE July 2013 Advanced Accident Reconstruction Seminar

NYSP CRU Training April 2013 – by invitation  
ARC-SCI January 2013 CDR Summit  
ARC-CSI January 2013 CDR Trainer/Mentor Course  
ARC-CSI May 2012 Crash Conference  
NYSP CRU Training April 2012 – by invitation  
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  
NYSP CRU Training April 2011 – by invitation  
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, General Consulting and Other Related Experience

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

Student Hosteling Program, Rochester, VT – Assistant Bicycle Tour Leader and Bike Mechanic

14. Forensic Engineering and Expert Witness Clients

Client references are available upon request. I have worked with over 80 firms in more than 250 forensic engineering cases. My caseload is balanced between plaintiff (59% of cases) and defense (41% of cases). I have testified and been cross-examined in 13 separate courtroom trials. I have experience in both state and federal court.

15. Selected Publications and Conference Presentations

Gordon, M.E., “Professional Societies Attitudes Towards PE Licensure of Engineering Technology Graduates: Supporting the Creation of a More Diverse, Equitable and Inclusive Engineering Workforce”, Invited Keynote Speaker, American Society of Mechanical Engineers, 2020 Connect the Dots Convening, December 2020.

Gordon, M.E., Knapp, S., Leiloglou, A.G., Ziernicki, R.M., “The Application of Matchmoving for Forensic Video Analysis of a Fatal Sprint Car Accident. Part I”, National Academy of Forensic Engineers Conference, Denver, July 2019.

Ziernicki, R.M., Knapp, S., Leiloglou, A.G., Gordon, M.E., “The Application of Matchmoving for Forensic Video Analysis of a Fatal Sprint Car Accident. Part II”, National Academy of Forensic Engineers Conference, Denver, July 2019.

Buholtz, E., Foley, J., Gordon, M.E., Kurland, H., Mackey, G., Prato, T., Regan, J., Stander, T., “Laying the Foundation for Evidence”, Monroe County Bar Association Center for Education, Rochester, NY, January 25, 2019.

Bates, D., Gordon, M.E., Houle, P., Hyzer, J., Pelz, J., Robins, P., “Developing a Time-Based Expectancy for Driver Perception-Reaction Time at Night”, NYSTARS Joint Conference, Lake George, NY, October 19, 2018.

O’Neil, J.A., Gordon, M.E., Gordon, A.T., Rice, B.S., DeAngelis, G., “Is Unaided Active Learning an Effective Teaching Method for Those with Learning Disabilities?”, ASEE National Conference, Salt Lake City, UT, June 2018.

Gordon, M.E., “How do Forensic Engineers Investigate Bridge Collapses, Like the One in Miami?, The Conversation, March 25, 2018.

Wang, M., Walders, K., Gordon M. E., Pelz, J. , Farnand, S., “Auto-simulator Preparation for Research into Assessing the Correlation Between Human Driving Behaviors and Fixation Patterns”, Presented at Electronic Imaging Conference, January 2018, Burlingame, CA.

Gordon, M.E., “Forensic Engineering: Some Examples”, Invited Speaker, Province of Ontario, Ministry of Labour, Mississauga, ON, October 2017.

Herbert, A. M., Baschnagel, J., Gordon, M. E., & McDonald, Z. (2017). Augmented reality HUDS: warning signs and driver situation awareness. *Journal of Vision*, 17(7), 40-40.

Gordon, M.E., “Forensic Engineering: Engineering Applied to the Law”, Invited Keynote Speaker, Rochester Engineering Society 2017 Symposium, May 2017.

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.

## 16. Honors, Awards, Patents

SAE Top Contributor of the Year, Class of 2019

2017 Engineer of the Year – Rochester Engineering Society (awarded in 2018)

US Patent No. 5429155, “Cryogenic Fluid Coupling”

2013 RIT Coaches Appreciation Award

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

NOT RETAINED

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  
Institute Athletics Compliance Committee, 2012-present  
Chief Organizer, 2019 Baja SAE Rochester World Challenge, 2018 - 2019  
IMLC Vision Committee, 2018-2019  
Faculty Co-Advisor, Running and Multisport Club, 2011 – 2017  
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 - 2018  
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*

Experienced Cyclist with over 45 years of experience leading, riding and repairing  
Moderately Fluent in American Sign Language  
Moderately Fluent in Portuguese

*Community Related*

Rotary International – Naples, NY Club  
Rotary Cycling to Serve  
Race Director, Rochester River Chase 2014  
Ironman Lake Placid Finisher 2012  
Lifeguard – Ironman Lake Placid 2011 & 2013 through 2016  
Member Rochester Bicycle Club  
Past Member Niagara Frontier Bicycle Club  
Certified Red Cross Lifeguard  
USA Triathlon – member (Northeast Region)  
Genesee Valley Harriers Running Club – member  
Rochester Area Triathletes (RATS) – member  
Buffalo Triathlon Club – member, past board member  
Zoning Board of Appeals – Town of South Bristol, NY  
Adirondack Mountain Club - 46r #5923  
Assistant Coach – McQuaid Jesuit JV Ice Hockey Team 2012-2014  
Project Lead the Way -- Program Evaluator  
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