

CURRICULUM VITAE

July 26, 2012

Martin E. Gordon, PE



1. Name Martin E. Gordon, PE
2. Affiliation Rochester Institute of Technology – College of Applied Science and Technology
Department of Mechanical and Manufacturing Engineering Technology
3. Age 51
4. Academic Rank Associate Professor – Tenured
5. Degrees

BS – Mechanical Engineering	University at Buffalo, 1981
MS – Mechanical 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

17 years at RIT / 30 total years of professional experience

7. Other Teaching Experience

Adjunct Faculty - University at Buffalo - Mechanical and Aerospace Engineering – 2004-2006
Teaching Assistant - 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	Machine Design	Principles of Mechanical Design
Failure Mechanics	Applied Mechanics	Pneumatics and Hydraulics
Materials Testing Lab	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	Land Vehicle Dynamics	Vibration and Noise

10. Professional Registrations

Registered New York State Professional Engineer, License No. 080518
Board Certified Forensic Engineer by NAFE, a CESB Member Board, Member No. 699
Certified Bosch CDR Data Analyst, latest training completed June, 2011

11. Forensic Engineering

Areas of Expertise:

Traffic Accident Reconstruction	Machinery Related Accidents	Mechanical and Products Design
Manufacturing Machinery	Product Liability	Mechanical Equipment
Electro-Mechanical Accidents	Hydraulics and Pneumatics	Industrial Machinery

Selected Customers:(not a complete list – includes defense (D) and plaintiff (P) consulting

Phillips Lytle et. al., Rochester, NY (D)	Law Offices of Eugene C. Tenny, Buffalo, NY (P)
John Speranza, Esq., Rochester, NY (D)	Feraci Lange et. al., Rochester, NY (P)
Connors & Vilarado, LLP, Buffalo, NY (P)	Tactair / Young and Franklin, Syracuse, NY (D)
Chubb Insurance, Warren, NJ (D)	Lipsitz and Pontario, Buffalo, NY (P)
Erie Insurance, Rochester, NY (D)	Harleysville Insurance, Harleysville, PA (D)
Bouvier Partnership, LLP, Buffalo, NY (D & P)	Foley & Foley, Palmyra, NY (P)
Osborn, Reed and Burke, LLP (D)	Harris Chesworth O'Brien Johnstone & Welch LLP (P)

12. Engineering Analysis and General Consulting

Cummins Engine, Jamestown, NY
Prentice-Hall, Upper Saddle River, NJ
SAIC, Washington, DC
Thermo Fisher Scientific, Rochester, NY

Moog Incorporated, East Aurora, NY
Johnson and Johnson, OCD, Rochester, NY
JC Carter Incorporated, Costa Mesa, CA
Tactair, Syracuse, NY

13. Publications

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”, Paper presented at 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.

14. Scientific and Professional Societies

National Academy of Forensic Engineers – NAFE (member of curriculum, presentation, website committees)
New York Statewide Traffic Accident Reconstruction Society - NYSTARS
Accident Reconstruction Network - ARC
Society of Automotive Engineers – SAE (member of Baja SAE rules committee)
American Society for Testing and Materials – ASTM (member of Forensic Engineering standards committee)
American Society of Engineering Educators - ASEE
National Society of Professional Engineers – NSPE
New York State Engineering Technology Association – NYSETA
Order of the Engineer

15. Honors, Awards, Patents

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

16. Other Activities

Faculty Advisor, RIT Baja SAE Club (club builds an off-road ATV type vehicle), 15+ years
Faculty co-Advisor, RIT Triathlon Club
RIT NCAA Faculty Athletic Representative
Red Cross Certified Openwater Lifeguard
Former NCAA Collegiate Athlete (Ice Hockey)
Ironman Finisher