

CURRICULUM VITAE

Michael R. Dellomo
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EDUCATION:

Undergraduate: B.S. Awarded May 1979, summa cum laude
Rensselaer Polytechnic Institute, Troy, NY 12181
Major/Minor: Mathematics/Computer Science, GPA: 3.90 (A=4.0)
Graduate: Ph.D. awarded May 1984, M.A. awarded May 1980
Johns Hopkins University, Baltimore, MD 21218
Thesis Topic: The Inverse Limit of the Finite Branched Cyclic
Covers Associated with a Knot
Advisor: Professor Jack Morava

EMPLOYMENT:

9/11 - present Associate Director, Masters in Telecommunications Program
9/07 - present Research Assistant Professor, Dept. of Electrical and Computer
Engineering, University of Maryland, College Park, MD 20742
Developed & taught courses for Masters in Telecommunications
Program and served as Program Advisor. Conducted research as
Principal Investigator on MIPS grants
9/04 - present Scientific Development Officer, Norbert Wiener Center for
Harmonic Analysis and Applications, Mathematics Department,
University of Maryland, College Park, MD 20742
Developed program and curricula for Masters of Mathematics
of Advanced Industrial Technology. Conducted research in
applied mathematics with government and industry partners.
1/98 - present Advisor/Lecturer, Masters in Telecommunications Program,
Electrical and Computer Engineering Department,
University of Maryland, College Park, MD 20742
Developed and taught courses on AWS/PCS System Implementation,
GSM Network Optimization, and Satellite Communications.
Taught Introduction to Cellular Communication Networks.
Directed several student research projects each semester.
5/15 - present Co-founder and VP of Curriculum,
RF Academics, Inc., Ashburn VA, 20103.
Created, co-created and taught multiple professional courses
in telecommunications. Courses include Wireless Fundamentals,
Macro-cell Design, Fiber for Wireless, RF Engineering
Fundamentals, Drive-testing and Network Optimization, multiple
courses on 5G readiness, workforce, etc. Also contributed to
workforce and career development initiatives.
5/99 - present Chief Technical Officer and Vice President of Research (PTOC),
8/95 - 5/99 Director of Engineering Research, Radio Dynamics Corporation,
13147 Hutchinson Way, Silver Spring, MD 20906
Conducted PCS, fixed service, and satellite communications
research for deployment, interference, and relocation. Managed
deployment and interference studies. Taught training classes.

7/88 - 8/95
6/05 - present
(PTOC) Lead Scientist, The MITRE Corporation,
1820 Dolly Madison Blvd., McLean, VA 22102
Conducted research in digital signal processing. Implemented applications for speech, underwater acoustics, sonar processing, vibration analysis, neural networks, radar, and sensor fusion.

9/84 - 7/88 Assistant Professor, Mathematical Sciences Department, \cr State University of New York, Binghamton, NY 13901
Conducted research in topology. Taught graduate and undergraduate courses in mathematics and computer science.

8/97 - 12/97 Adjunct Associate Professor, Dept. of Computer Science, Georgetown University, Washington, DC 20057
Taught Graphics and Introductory Programming courses.

1/94 - 12/94 Adjunct Professor, Computer Science Department, Natural Science Division, Northern Virginia Community College, Loudoun Campus, Sterling, Virginia 20164
Taught Assembler Language and Computer Architecture courses.

6/90 - 8/90 Visiting Instructor, Electrical and Computer Engineering Dept. George Mason University, Fairfax, Virginia 22030
Taught Systems and Signals course.

1/84 - 8/84
Summers of '83, '82, and '81
1/79 - 8/79 Technical Staff, The MITRE Corporation,
1820 Dolly Madison Blvd., McLean, VA 22102
Implemented a new real-time speech coding algorithm, created graphics routines, wrote system benchmarking analysis routines

8/83 - 12/83 Visiting Instructor, Department of Mathematics, Georgetown University, Washington, DC 20057
Taught pre-calculus courses and statistics course.

9/79 - 5/84 Teaching Assistant / Graduate Student
Johns Hopkins University Mathematics Department,
Baltimore, MD 21218: Taught and graded calculus courses.

COURSES TAUGHT:

Other Prof.: An Introduction to Wavelets with Applications,
An Introduction to Neural Networks, PCS-Microwave Relocation

Graduate: AWS/PCS System Implementation, LTE Testbed Independent Study,
Microwave Radio Communications Systems, Satellite Communications Systems, Introduction to Cellular Communications Networks, Data Mining and Numerical Python, Internet of Things Laboratory, Python Programming, Optimization, Drivetesting, and Analysis of Modern Cellular Networks, GSM Network Optimization, Advanced Numerical Analysis, Advanced Analysis of Algorithms, seminars on Branched Cyclic Covers of Knots.

Undergraduate: System and Signal Analysis, Numerical Analysis, Files and Databases, Computer Graphics in Java, C++ Programming, Data Structures, Analysis of Algorithms, Assembler Language Programming, Computer Organization, Artificial Intelligence, Mathematical Analysis, Calculus I/II, Vector Calculus, Linear Algebra, First Course in Statistics

References, publications, and course evaluations available upon request.