

Personal Introduction

Charles A. DiMarzio
ECE, MIE, BioE
Northeastern University

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- Education
 - 1969: BS in Engineering Physics, University of Maine
 - 1973: MS in Physics, WPI
 - 1996: Ph.D. in Electrical Engineering, Northeastern
- Employment
 - 1973 — 1987: Raytheon Company (Laser Radar)
 - 1983 — 1987: Northeastern (Part-Time Lecturer)
 - 1987 — 2000: Northeastern (Research Scientist)
 - 2000 — Present: Northeastern ECE Faculty (MIE, BioE)
 - 2014 — 2016: Associate Chair of ECE
 - 2014 — Present: Topical Editor, *Optics Letters*

Personal History

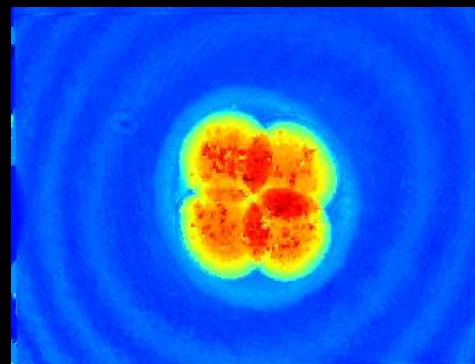
- Raytheon (Jelalian)
 - Aircraft Wake LIDAR
 - Airborne LIDAR
- Northeastern University
 - LIDAR
 - MOKE Sensors
 - Landmine Detection
 - Hyperspectral Imaging (Biomed)
 - Light and Sound
 - Optical Quadrature
 - Multi-Modal Microscopy



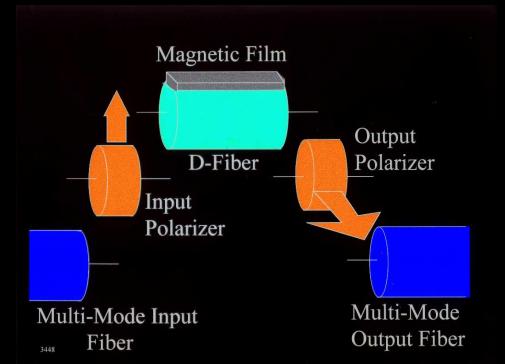
Severe Storms



Coal–Dust Lidar

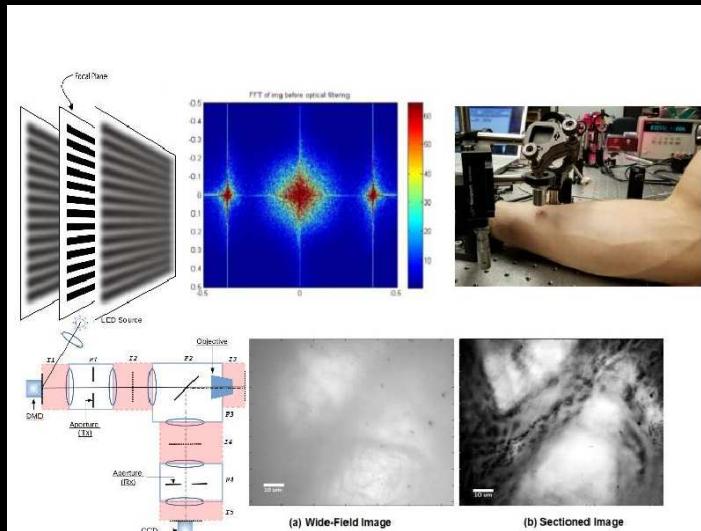


Cell Counting

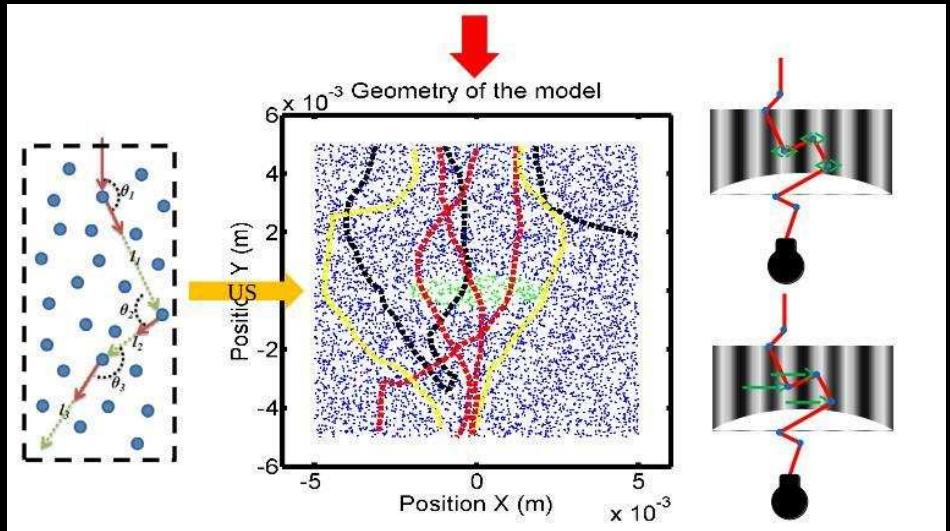


Magnetic Sensor

Current Research



Structured Illumination



Light and Ultrasound



Microscopy



Laser Radar (thx to Draper Labs)

International Programs



Taiwan
Biomedical Optics, 2014



Chile
Hyperspectral Imaging, 2015
Biomedical Imaging, 2017,8,9



You (EECE2150–FA18)

CE/CS Majors	10
CE Majors	10
ECE Majors	8
EE Majors	1
EE Music Majors	1
EE/Phys Majors	2