

Northeastern University
College of Engineering



Personal Introduction

Charles A. DiMarzio
ECE, MIE, BioE
Northeastern University

Sep 2018

- 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



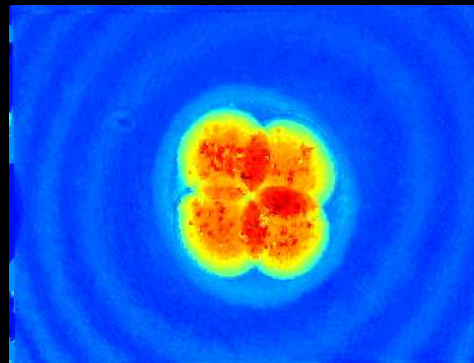
- Raytheon (Jelalian)
 - Aircraft Wake LIDAR
 - Airborne LIDAR
- Northeastern University
 - LIDAR
 - MOKE Sensors
 - Landmine Detection
 - Hyperspectral Imaging (Biomed)
 - Light and Sound
 - Optical Quadrature
 - Multi-Modal Microscopy



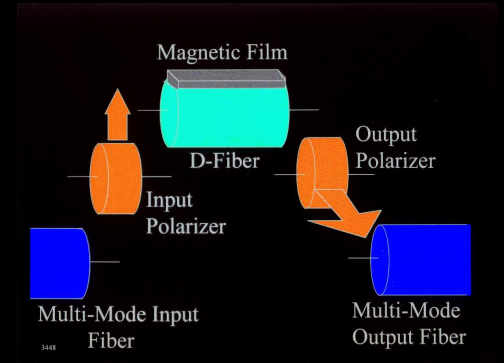
Severe Storms



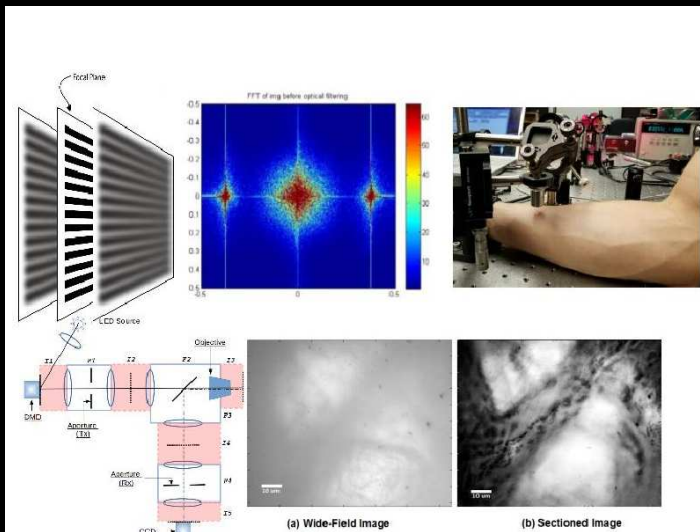
Coal-Dust Lidar



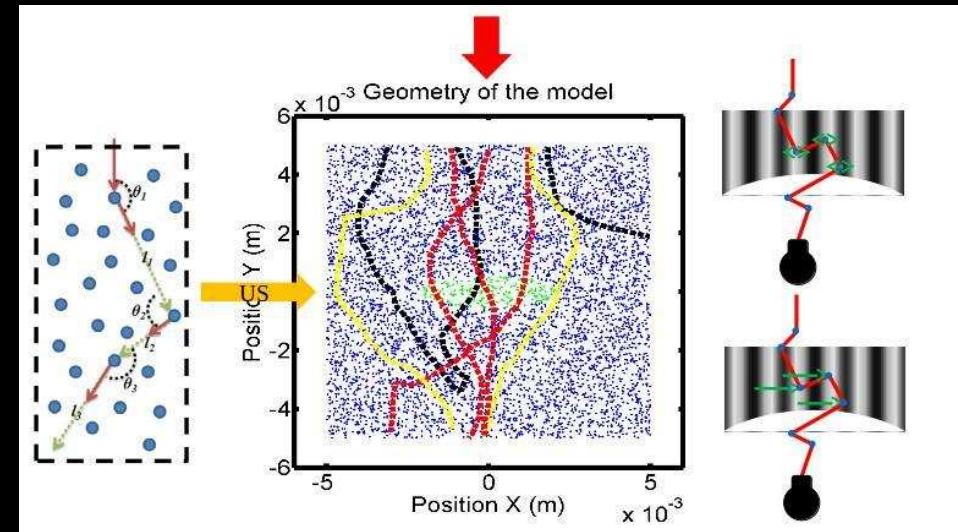
Cell Counting



Magnetic Sensor



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