



David DeLonga

MD, PhD, ME

Director of Biomechanical Engineering

Department

Engineering Services

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Locations

Richmond, VA

Biography

Dr. DeLonga is a highly specialized physician-engineer with expertise in the intersection of medical science and engineering analysis, focusing on the relationship between injuries and accidents. With a unique approach, Dr. DeLonga combines engineering principles with medical records, anatomic studies, and physiological imaging to meticulously evaluate whether the injury mechanism and severity align with the specifics of the accident event. This innovative approach allows for a comprehensive understanding of injury causality and the dynamics of traumatic incidents.

Credentials

- MD
- PhD
- ME
- PE
- ACTAR
- Board Certification in Aerospace and Occupational Medicine by the American Board of Preventive Medicine
- Board Certification in Diagnostic Radiology and Certificate of Added Qualification in Nuclear Radiology by the American Board of Radiology
- Board Certification in Nuclear Medicine by the American Board of Nuclear Medicine

Professional Experience

- 2024 - Current | Director of Biomechanical Engineering | YA Group
- 2012 - 2024 | Consultant | Bloomberg Consulting
- 2011 - Present | Chairman, Scientific Review Committee | Naval Medical Center Portsmouth
- 2010 - Present | Staff Diagnostic Radiology Physician | Naval Medical Center Portsmouth
- 2005 - 2009 | Diagnostic Radiology Resident Physician | Naval Medical Center Portsmouth
- 2003 - 2005 | Consultant | Bloomberg Consulting
- 2004 - 2005 | Department Head, Physical Examinations | Naval Aerospace Medical Institute
- 2004 - 2005 | Associate Director, Aerospace Medicine Residency Program | Naval Aerospace Medical Institute
- 2002 - 2004 | Aerospace Medicine Research Physician | Naval Aerospace Medical Research Laboratory
- 2000 - 2002 | Aerospace Medicine Resident Physician | Naval Aerospace Medical Institute
- 1998 - 1999 | Transitional Intern Physician | National Naval Medical Center
- 1982 - 2014 | Officer | U.S. Navy

Area of Practice

- Biomechanics
- Accident Reconstruction

Education

- Harvard University School of Public Health - Master of Public Health - Boston - Massachusetts
 - University of Miami School of Medicine - Doctor of Medicine - Miami - Florida
 - Woods Hole Oceanographic Institution - Doctor of Philosophy in Ocean Engineering - Woods Hole - Massachusetts
 - Massachusetts Institute of Technology - Doctor of Philosophy in Mechanical Engineering - Cambridge - Massachusetts
 - Massachusetts Institute of Technology - Master of Science in Mechanical Engineering - Cambridge - Massachusetts
 - University of Maryland - Master of Business Administration - College Park - Maryland
 - United States Naval Academy - Bachelor of Science in Mechanical Engineering - Annapolis - Maryland
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