

Allan Zarembski

Professor of Practice Civil and Environmental Engineering; Director, Railway Engineering and Safety Program at University of Delaware

Newark, DE, US

Prof. Zarembski has expertise in railroad track engineering and railroad safety.

Biography

Dr. Allan M Zarembski is an internationally recognized authority in fields of railroad track engineering and vehicle/track system analysis. Dr. Zarembski has expertise in railroad track engineering and railroad safety, derailment analysis, wheel-rail interaction, rail problems and maintenance including rail inspection and grinding. He is Professor of Practice and Director of Railroad Engineering and Safety Program at University of Delaware. He was President of ZETA-TECH, an independent railway technical consulting company, from 1984 through 2007 when it was acquired by Harsco Rail. He was also Director R&D for Pandrol and Speno Rail Services and Manager, Track Research for AAR. Dr. Zarembski has a PhD in Civil Engineering from Princeton University, and M.S. and B.S. from NYU. He is a registered Professional Engineer in five states. He is an Honorary Member of AREMA a Fellow of ASME and a member of the International Heavy Haul Railway Association ?Hall of Fame?. He received the ASME's Rail Transportation Award in 1992, the FRA?s Special Act Award in 2001 and the the Fumio Tatsuoka Best Paper Award in 2017 (Journal of Transportation Infrastructure Geotechnology). He has authored over 240 technical papers and two books.

Industry Expertise

Transportation/Trucking/Railroad

Areas of Expertise

Railroad Track Engineering, Railroad Safety, Derailment Analysis, Wheel-Rail Interaction, Rail Inspection, Rail Grinding

Education

Princeton University

PhD Civil Engineering

New York University

MS Engineering Mechanics

New York University

BS Aeronautics and Astronautics

Accomplishments

Elected to the "Heavy Haul Hall of Fame" of the International Heavy Haul Railways Association (IHHA)
2022

Elected Honorary Member of American Railway Engineering and Maintenance of Way Association (AREMA)
2010

Received Federal Railroad Administration's SPECIAL ACT AWARD
2001

Elected Fellow of the American Society of Mechanical Engineers
2000

Rail Transportation Award, American Society of Mechanical Engineers
1992

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