

Ralph L. Barnett

Ralph Barnett is a professor in Illinois Institute of Technology's Department of Mechanical, Materials and Aerospace Engineering and Chairman of Triodyne Inc. Professor Barnett's specialties are mechanical safety, minimum weight design and structural design in brittle materials. His teaching responsibilities include product design and safety, high performance structures and materials and design optimization.

Professor Barnett co-founded Triodyne Inc. in 1969. He conducts basic and applied research and development, forensic engineering and testing, failure analysis and safety workshops and seminars. Professor Barnett has personally testified in over 500 trials and given more than 3,000 depositions in the past 30 years. In addition to his teaching experience, Professor Barnett spent fourteen years as a structural research engineer in industry and in engineering research. He has authored over 100 technical publications including chapters in four books and has presented over 300 papers and seminars.

Professor Barnett received his Bachelor of Science degree in Civil Engineering in 1955 and a Master of Science in Mechanics in 1958, both from Illinois Institute of Technology. He has been the recipient of many honors, including the 1960 American Society of Civil Engineer's Collingwood Prize, the 1962 American Society of Mechanical Engineer's Chicago Section Prize Paper Award, and elected to four engineering and research honorary societies. He is a member of numerous professional associations and has contributed services as a member of the NAS/National Materials Advisory Board, the American National Standards Institute, the American Society of Civil Engineers and the American Society of Mechanical Engineers. He is currently secretary of the ANSI/ASC A-14 Ladder Committee.