I'm not a robot



Fundamentals of thermal fluid sciences

Yunus A. Çengel is a renowned professor of mechanical engineering at the University of Nevada, Reno, where he holds the title of Professor Emeritus. He holds degrees in mechanical engineering from Istanbul Technical University and North Carolina State University, with research interests spanning renewable energy, energy efficiency, and heat transfer enhancement. Çengel has led numerous industrial assessments and provided recommendations for government organizations and corporations. He has received several prestigious awards, including the ASEE Meriam/Wiley Distinguished Author Award. John M. Cimbala is a distinguished professor of mechanical engineering at The Pennsylvania State University (Penn State), with expertise in experimental and computational fluid mechanics, heat transfer, and air pollution control. His research areas have been recognized with multiple teaching awards, and he views book writing as an extension of his teaching philosophy. Professor Cimbala is a renowned professor who has authored numerous textbooks and journal papers, with translations in multiple languages. During his sabbatical leave in 2010-11, he worked on CFD modeling at American Hydro Corporation in York, PA. He conducts research in fluid mechanics, turbulence, and turbomachinery and teaches various courses including fluid mechanics, air quality, and instrumentation. He has received several awards for teaching, including the College of Engineering Outstanding Teaching Award (1992) and Teacher of the Year Award from Pi Tau Sigma (1997). He became a Fellow of the American Society of Mechanical Engineers in 2009. Outside academia, Professor Cimbala enjoys working out, swimming, pool, and family activities. He has published two novels, "I, Adam: The Man without a Navel" (2015) and "I, Peter: My life in Threes" (2017), as well as a devotional book for Christian couples called Growing Old Together: A Serious Comical Devotional for Married Couples (2019). Dr. John M. Cimbala is a renowned Professor of Mechanical Engineering at The Pennsylvania State University (Penn State), where he has been imparting his knowledge for years. A recipient of several outstanding teacher awards, Dr. Cimbala holds an impressive list of credentials, including being a registered Professional Engineer in Nevada and a member of the American Society of Mechanical Engineers (ASME) and the American Society for Engineering Education (ASEE). A holder of multiple academic degrees from prestigious institutions such as Penn State, California Institute of Technology (CalTech), and UCLA, Dr. Cimbala's research areas include experimental and computational fluid mechanics, heat transfer, turbulence, turbomachinery, indoor air quality, and air pollution control. Dr. Cimbala has authored numerous textbooks, including Fluid Mechanics: Fundamentals and Applications, Indoor Air Quality Engineering, and Essentials of Fluid Mechanics, all published by McGraw-Hill Education. He has also contributed to several other books and journals. In addition to his academic pursuits, Dr. Cimbala is an avid writer, having recently ventured into writing novels. Dr. Turner has been involved in various projects, including designing solar components for homes over a period of 20 years. In 1995, he collaborated with Erciyes University in Turkey to establish the Solar Research Laboratory, which features 130 square meters of site-integrated solar collectors. He has also maintained an active consulting practice due to his interest in applications. Dr. Turner is a registered Professional Engineer and holds membership in several prominent organizations, including ASME and ASHRAE. Dr. Yunus A. Çengel is Professor Emeritus of Mechanical Engineering at the University of Nevada, Reno, with expertise in renewable energy, energy efficiency, and engineering education. He previously served as director of the Industrial Assessment Center from 1996 to 2000 and has worked with government organizations and corporations. Dr. Çengel has received several awards for teaching and authorship, including the ASEE Meriam/Wiley Distinguished Author Award. Professor John M. Cimbala is a mechanical engineering expert at Penn State University, with research interests in fluid mechanics, heat transfer, and air pollution control. He has received numerous teaching awards and views writing as an extension of his teaching passion. Professor Cimbala holds membership in several organizations, including ASME, ASEE, and APS. John Ghajar holds positions as Professor of Mechanical Engineering and Professor Emeritus at Oklahoma State University, and an Honorary Professor at Xi'an Jiaotong University. He obtained all his degrees - B.S., M.S., and Ph.D. in mechanical engineering - from Oklahoma State University. His expertise lies in experimental heat transfer/fluid mechanics and developing practical correlations. Ghajar's research focuses on two-phase flow heat transfer/pressure drop studies, including pipes with different orientations, mini/micro tubes, and mixed convective heat transfer/pressure drop. He has authored over 200 reviewed papers, delivered keynote lectures at major conferences, and received several awards for his teaching, research, advising, and service. Ghajar is a Fellow of the American Society of Mechanical Engineers (ASME) and serves as Heat Transfer Series Editor for CRC Press/Taylor & Francis. John M. Cimbala, on the other hand, is Professor of Mechanical Engineering at The Pennsylvania State University. He holds degrees from Penn State and Caltech, with expertise in computational fluid dynamics and aeronautics. Cimbala worked at NASA Langley Research Center during his sabbatical leave and has made significant contributions to his field through his work on computational fluid dynamics. During his sabbatical leave in 2002-03, Professor Cimbala co-authored an undergraduate textbook titled "Fluid Mechanics: Fundamentals and Applications" with Y.A. Çengel and J.M. Cimbala, which has become a widely used resource in various languages. He is also the author or co-author of numerous textbooks and academic papers on fluid mechanics, turbulence, and turbomachinery. In addition to his research focus, Professor Cimbala teaches courses on fluid mechanics, indoor air quality, instrumentation, measurements, and statistics, as well as air pollution. Throughout his career, he has been recognized with several awards for his teaching excellence, including the College of Engineering Outstanding Teaching Award (1992) and the George W. Atherton Award for Excellence in Teaching (1997). In 2009, he was elected a Fellow of the American Society of Mechanical Engineers.

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