



Acoustical Society of America 2021 Awards and Prizes Recipients



James F. Lynch is the recipient of the 2021 Gold Medal of the Acoustical Society of America (ASA). His citation reads: “for contributions to shallow ocean dynamics and acoustics, geo-acoustics and inversion, and for service to the society and its publications’. The Gold Medal is presented annually to a member of the ASA, without age limitation, for contributions to acoustics.

James Lynch is a Senior Scientist Emeritus at the Woods Hole Oceanographic Institution (WHOI) in Woods Hole, MA, where he has served in several positions since joining the WHOI staff in 1982.

Dr. Lynch received a B.S. in Physics from the Stevens Institute of Technology and a Ph.D. in Physics from the University of Texas at Austin. He is a Fellow of the ASA and the Institute for Electrical and Electronics Engineers (IEEE). Jim received the Munk Award in 2009, a joint award of The Oceanography Society, the Office of Naval Research, and the Office of the Oceanographer of the Navy. His research specialty areas are ocean acoustics and acoustical oceanography.

Dr. Lynch has served as Editor-in-Chief of the ASA since 2014, chair of the ASA Technical Committee on Acoustical Oceanography (1999-01), as a Member of the Executive Council (2011-14), and as Associate Editor (2006-09) and Chief Editor of the Journal of the Acoustical Society of America Express Letters, JASA-EL. He also served as an Associate Editor (1997-98, 2005-06) and Chief Editor (1999-2004; 2012) of the IEEE Journal of Oceanic Engineering.



Michael R. Moldover is recipient of the Helmholtz-Rayleigh Inter-disciplinary Silver Medal in Physical Acoustics and Engineering Acoustics of the Acoustical Society of America “for establishing spherical acoustic resonators as the foundation of the kelvin in the International System of Units.” The Helmholtz-Rayleigh Interdisciplinary Silver Medal is presented to individuals, without age limitation, for contributions to the advancement of science, engineering, or human welfare through the application of acoustic principles, or through research accomplishment in acoustics.

Michael Moldover is National Institute of Standards and Technology (NIST) Fellow and Leader, Fluid Metrology Group (ret. 3/19), where he has served in several positions since joining NIST in 1972.

Dr. Moldover received a B.S. in Physics from Rensselaer Polytechnic Institute, and M.S. and Ph.D. degrees in Physics from Stanford University. He is a Fellow of the ASA and the American Physical Society. He has received numerous awards including the Yoram S. Touloukian Award from the American Society for Mechanical Engineers (2012), US Office of Personnel Management: Presidential Rank Award (2009), and Department of Commerce Medals: Gold (1987), Silver (1982, 2011), Bronze (1980). His work has now led to a simplification of the foundation of the international system of units and measures.

Dr. Moldover has published over 130 papers in referred journals, including the Journal of the Acoustical Society of America, and presented over 25 papers at ASA meetings.



Likun Zhang is the recipient of the 2021 R. Bruce Lindsay Award of the Acoustical Society of America (ASA). His citation reads “for contributions to the understanding of radiation pressure, acoustofluidics and the interaction between fluid flows and acoustic fields.” The R. Bruce Lindsay Award is presented in the spring to a member of the Society who has been active in the affairs of the Society and has contributed substantially, through published papers, to the advancement of theoretical or applied acoustics, or both. Eligible members must be no more than 10 years post terminal degree at the time of award acceptance.

Likun Zhang is Assistant Professor, Department of Physics, University of Mississippi, since 2016. He previously served in several research positions at the University of Texas at Austin from 2012 to 2016. Dr. Zhang received M.S. and Ph.D. degrees in Physics from Washington State University. He is a Member of the ASA, the American Physical Society, and the

American Geophysical Union. He serves as a member of the ASA Technical Committee on Physical Acoustics and a Coordinating Editor & Associate Editor for The Journal of Acoustical Society of America. He was awarded the Frederick V. Hunt Postdoctoral Research Fellowship by the ASA in 2013. His current research interests include ocean waves and acoustics, Acoustofluidics, and Acoustic metamaterials.



Ana Širović is the recipient of the 2021 Medwin Prize in Acoustical Oceanography of the Acoustical Society of America. Her citation reads: “for fundamental contributions to the understanding of marine organism acoustics through novel signal processing and modeling, and for work on long-term trends in ambient noise.” The Medwin Prize is awarded to recognize mid-career scientists for the effective use of sound in the discovery and understanding of physical and biological parameters and processes in the sea.

Ana Širović is an Associate Professor in the Marine Biology Department at Texas A&M University at Galveston since 2018. She previously served as Research Oceanographer at Scripps Institution of Oceanography, University of California San Diego, from 2011 to 2018 and as Assistant Professor at Alaska Pacific University from 2008 to 2010. Dr.

Širović received a B.A. in Creative Studies—Biology from the University of California Santa Barbara, and a Ph.D. in Oceanography, from the University of California San Diego.

Dr. Širović is a member of The Oceanography Society and the Acoustical Society of America where she serves as a member of the Technical Committee on Animal Bioacoustics. Her current research interests lie in use of acoustic technologies to study the ecology of exploited fishes and marine mammals and the effects of anthropogenic noise on marine life.



Dr. Philip X. Joris is the recipient of the William and Christine Hartmann Prize in Auditory Neuroscience. The Prize recognizes and honors research that links auditory physiology with auditory perception or behavior in humans or other animals.

Philip Joris joined KU Leuven in 1995 where he is currently Professor in the Department of Neuroscience. His previous positions included Research Associate and Assistant Scientist at the University of Wisconsin (1987-1995). Dr. Joris received M.D. and Ph.D. degrees from the University of Antwerp, Belgium.

He is a Fellow of the Acoustical Society of America and recipient of a NATO Research Fellowship (1984) and NIH Fogarty Fellowship (1985). He has served on several

Association for Research in Otolaryngology committees and is an Associate Editor of the *Journal of the Acoustical Society of America*.

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The Acoustical Society of America is the premier international scientific society in acoustics devoted to the science and technology of acoustics. Its 6500 members worldwide represent a broad spectrum of the study of acoustics. ASA publications include the Journal of the Acoustical Society of America, the world’s leading journal on acoustics, Acoustics Today magazine, books, and standards on acoustics. The Society also holds two major scientific meetings each year. For more information visit our webpage at www.AcousticalSociety.org.