

## Physical Acoustics

Joel Mobley, Chair to 2023

### Term to 2024

John S. Allen  
Theodore Argo  
Andrea P. Arguelles  
Anthony A. Atchley  
Keith Attenborough  
Kenneth B. Bader  
Parag V. Chitnis  
Charles C. Church  
Gregory Clement  
Kenneth G. Foote  
Thomas B. Gabrielson  
Goutam Ghoshal  
Mark F. Hamilton  
Christy K Holland  
Yun Jing  
Verle M. Keppens  
Vera A. Khokhlova  
Christopher Kube  
Ronald E. Kumon  
Subha Maruvada  
Philip L. Marston  
T. Douglas Mast  
Robert J. McGough  
Stuart B. Mitchell  
Michael L. Oelze  
Vladimir E. Ostashev  
Andrew A. Piacsek  
Allan D. Pierce  
Yuri A. Pishchalnikov

Tyrone M. Porter  
Richard Raspet  
Kimberly Riegel  
Peter H. Rogers  
James M. Sabatier  
Oleg A. Sapozhnikov  
Kausik Sarkar  
Bradley E. Treeby  
Martin D. Verweij  
Alan T. Wall  
Keith A. Wear  
Roger M. Waxler  
D. Keith Wilson  
Likun Zhang  
Zhongquan Zheng

### Term to 2023

William C. K. Alberts, II  
Brian E. Anderson  
Philippe Blanc-Benon  
Lawrence A. Crum  
E. Carr Everbach  
Steven L. Garrett  
Joseph R. Gladden  
Michael R. Haberman  
Bart Lipkens  
Alexandra Loubeau  
Thomas J. Matula  
Julian D. Maynard  
Ralph T. Muehleisen

Bonnie Schnitta  
Michelle E. Swearingen  
Richard L. Weaver  
Preston S. Wilson

### Term to 2022

Feruza Amirkulova  
Michael R. Bailey  
David A. Brown  
Kerry W. Commander  
Bruce C. Denardo  
Kent L. Gee  
Yong-Joe Kim  
Murray S. Korman  
Kevin M. Lee  
Timothy G. Leighton  
James G. Miller  
Tracianne B. Neilsen  
Lev A. Ostrovsky  
Cristian Pantea  
Jason L. Raymond  
Ronald A. Roy  
Neil A. Shaw  
Victor W. Sparrow  
Joseph A. Turner  
Mark S. Wochner  
Junru Wu

Ex officio:

Kent L. Gee, member of Membership Committee  
Julian D. Maynard, member of Medals and Awards Committee  
Ferdousi S. Rawnaque, member of Student Council  
Gregory W. Lyons, member of ASACOS

### Physical Acoustics (PA)

Physical Acoustics lies at the heart of all acoustics. The Physical Acoustics Technical Committee is concerned with fundamental acoustic wave phenomena from infrasonic to ultrasonic frequencies. Theoretical, computational, and experimental approaches are used. Topics being investigated by its members include:

- \* Use of acoustics in probing the physical properties of materials and other systems with relevance to physics and geophysics
- \* Sound and vibrations in fluid-filled media, including porous media
- \* Thermoacoustics
- \* Propagation of sound in planetary atmospheres
- \* Nonlinear acoustics and shock waves in gases, liquids, and solids
- \* Cavitation phenomena in physical and biological media
- \* Interaction of sound with light and other forms of radiation
- \* Attenuative processes and dispersion of sound