

Speaker Profile



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Peter Cummings is the John R. Hall professor of chemical engineering at Vanderbilt University. He also holds the position of Principal Scientist in the Center for Nanophase Materials Sciences (CNMS) at Oak Ridge National Laboratory, as well as founding director of the Nanomaterials Theory Institute, the theory program within the CNMS. His research interests include statistical mechanics, molecular simulation, computational materials science, computational and theoretical nanoscience, and computational biology. He is the author of over 330 refereed journal publications and the recipient of many awards, including the 1998 Alpha Chi Sigma award given annually to the member of the American Institute of Chemical Engineers (AIChE) with the most outstanding research contributions over the previous decade, the 2007 AIChE Nanoscale Science and Engineering Forum Award, the 2010 AIChE Founders Award for Outstanding Contributions to the Field of Chemical Engineering in recognition of his "outstanding contributions through research, service to the Institute, and national leadership on behalf of the profession," and the 2012 Yeram S. Touloukian Award from the American Society of Mechanical Engineers. He has been elected fellow of the American Physical Society, of the American Association for the Advancement of Science (AAAS), and of the American Institute of Chemical Engineers.