



4<sup>th</sup> International Symposium on  
**E**nergy **C**hallenges & **M**echanics  
- working on small scales

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### Keynote Speaker of Session 11

#### NANOMECHANICS



Glenn J. Martyna, PhD, Physical Sciences, IBM TJ Watson Research Center, Yorktown Heights, NY, United States.

Dr. Glenn J. Martyna received his Ph.D. from the Columbia University and subsequently became a NSF Postdoctoral Fellow in Computational Science and Engineering at the University of Pennsylvania. He was a tenured faculty member at Indiana University, Bloomington before joining IBM Research and was later named an Honorary Professor of Physics at The University of Edinburgh, UK. Dr. Martyna's research is focused on the atomistic modeling of soft condensed matter and materials systems as well as

novel device physics, in addition to his interest in physics based computational methodology development. He is currently working to combine physical measurements with theory to study antimicrobial peptides and developing a new post-CMOS technology based on strain transductions that promises low power and high speed. He has co-authored around 125 papers several of which are citations classics (over 1000 citations).

