



Alejandro Strachan is a Professor of Materials Engineering at Purdue University, Director, DoD ONR MURI “Predictive Chemistry and Physics at Extreme Conditions”, PCP@Xtreme, and the Deputy Director of NSF’s nanoHUB. Before joining Purdue, he was a Staff Member in the Theoretical Division of Los Alamos National Laboratory and worked as a Postdoctoral Scholar and Scientist at Caltech. He received a Ph.D. in Physics from the University of Buenos Aires, Argentina. Prof. Strachan’s research focuses on the development of predictive atomistic and multiscale models to describe materials from first principles and their combination with data science to address problems of technological or scientific importance. Areas of interest include: high-energy density and active materials, metallic alloys for high-temperature applications, materials and devices for nanoelectronics and energy, as well as polymers and their composites. In addition, Strachan’s scholarly work includes cyberinfrastructure to maximize the impact of and democratize access to models and data for research and education. Prof. Strachan has published over 180 peer-reviewed scientific papers and his contributions to research and education have been recognized by several awards, including the *Early Career Faculty Fellow Award* from TMS in 2009, his induction as a *Purdue University’s Faculty Scholar* (2012-2017), and the *R&D 100* award in the area of software and services for nanoHUB.