

## **FARHAT BEG**

Professor, Mechanical and Aerospace Engineering

Farhat N. Beg received his Ph.D. in Plasma Physics from Imperial College London, U.K. In 2003, he joined the faculty in the Department of Mechanical and Aerospace Engineering, where he is currently a Professor of Engineering Physics and Director of Center of Excellence on Matter under Extreme Conditions funded by the National Nuclear Security Administration of the Department of Energy. His research focus is on High Energy Density Science, which includes relativistic laser matter interaction, intense particle generation, inertial confinement fusion, pulsed power-driven Z-pinches, X-ray and neutron sources. He has published over 200 articles in high quality journals including Nature, Nature Physics, and Physical Review Letters—and has been cited more than 6000 times in peer refereed journals with an H index of 44.

Professor Beg has been a fellow of the American Physical Society (APS) since 2009 and a fellow of the Institute of Electronics and Electrical Engineers (IEEE) since 2011. He was elected the fellow of the American Association for the Advancement of Science (AAAS) in 2018. He received the Department of Energy Early Career Award in 2005 and the IEEE Early Achievement Award in 2008.

He has served the campus in a variety of leadership roles: He was the Associate Director and then, Director of Center for Energy Research from 2013-2019. He served as the Chair of the Project Scientist/Specialist Review Panel in 2011-2012. He was the Vice Chair of the Graduate Council from 2014-15. He contributed as a member of the Standing Committee on Retention in the Office of Vice Chancellor of Academic Affairs.

He has also served nationally and internationally in leadership roles: He was the Chair of the High-Energy Density Science Association (HEDSA) twice first in 2009-10 and then in 2017-2019. The HEDSA is an association of scientists from academia that promote High-Energy Density Laboratory Plasma in universities and small businesses, as well as in national laboratories. It also advocates new initiatives to maintain the health of High-Energy Density Science and the related workforce in the United States. He was an elected Chair of the National Ignition Facility User Program from 2016-2019. He chaired the steering committee of the International Conference on High Energy Density Physics from 2015-2019.