

**FARHAT BEG**

Professor, Mechanical & Aerospace Engineering

Farhat Beg received his Ph.D. from Imperial College London. He joined the Department of Mechanical and Aerospace Engineering, UC San Diego in 2003 as an Assistant Professor, where he is currently a Professor of Engineering Science. His expertise is in the field of High Energy Density Science. He addresses important questions pertinent to matter under extreme conditions of pressure, density, temperature, and magnetic field. In his work, he creates conditions in the laboratory that exist in stars and planets. In addition, he has made significant contributions to the field of thermonuclear fusion, which promises limitless clean energy. He has published over 250 articles in top-notch journals such as Nature, Nature Physics and Nature Communications with an H-index of 50. He has been a recipient of several awards including Department of Energy Early Career Award, Institute of Electrical and Electronics Engineers (IEEE) Early Career Award, and IEEE Plasma Science and Applications Award. He is the fellow of three professional societies: the American Physical Society (APS), IEEE and, the American Association for the Advancement of Science.

Professor Beg has played a leadership role on national and international levels. He served as a Chair of High Energy Density Science Association, which advocates a broad-based High Energy Density Science research program based in universities, small businesses and in national laboratories. He served as a Chair of the Steering Committee of International Conference on High Energy Density Science. He also served as a Chair of the National Ignition facility User Group. He is the senior editor of IEEE Transactions on Plasma Science journal.

He has served the university in various capacities including as a Director of Center for Energy Research from 2015-19. Under his leadership CER became the third largest organized unit on campus. He served as a Chair of the Project Scientists and Specialist Review Panel (PSSRP) in 2011. The panel reviews the appointments and promotion of the Project Scientist and Specialist series. He was a member of the Graduate Council from 2012-15. He has been a member of Dissertation Review and Cota Robles/San Diego Fellowship committees in the Graduate Division. He also served as a member of the Standing Committee on Retention in the Office of Vice Chancellor of Academic Affairs from 2012-2014.