



CITATION

For the Conferment of the
Distinguished Alumni Award
on

Prof. Chandrajit Bajaj

Dr. Chandrajit Bajaj received his Bachelor of Technology degree in Electrical Engineering from IIT Delhi in 1980. He received his Ph.D. degree in Computer Science from Cornell University in 1984.

Dr. Chandrajit Bajaj is presently the Director of the Computational Visualization Center, at the University of Texas at Austin. He is also Professor of Computer Sciences at the University of Texas at Austin since 1997 and he also holds the Computer Applied Math (CAM) Chair of Visualization since 1997.

Dr. Chandrajit Bajaj was a faculty member in the Computer Science department at Purdue University from 1984 and became the Director of Image Analysis and Visualization Center in 1996. In 1997 he was recruited by the University of Texas, Computer Science Department and the then Texas Institute of Computational and Applied Mathematics, to establish a center in computational data analysis and visualization and be its founding director.

Dr. Chandrajit Bajaj is Fellow of the American Association for the Advancement of Science, Fellow of the Institute of Electrical and Electronics Engineers (IEEE), Fellow of the Society of Industrial and Applied Mathematics (SIAM), and also Fellow of the Association of Computing Machinery (also known as ACM), which is the world's largest education and scientific computing society.

Dr. Chandrajit Bajaj has won the University of Texas Faculty research award, the Dean Research Assignment award, and also thrice won the University of Texas,

Institute of Computational Engineering and Sciences, Moncreif Grand Challenge research award. He has also received a Collaborative Teaching Award of the Architecture Department at the University of Texas. Dr. Chandrajit Bajaj is also committed to being an international bridge and interdisciplinary sciences and engineering collaborator for institutes and universities spanning several countries in Asia and Europe.

Dr. Chandrajit Bajaj's main pursuit is focused on the algorithmic and computational mathematics underpinnings of Imaging and Geometry Data Sciences, Computer Graphics, Bio-Informatics and Visualization with applications stemming from bio-medical engineering, physical and chemical sciences and bio-inspired architecture. He is committed to the field of computational and predictive medicine. He designs and implements scalable solutions for forward and inverse problems in microscopy, spectroscopy and biomedical imaging; constructing spatially realistic and hierarchical phenomenological models, development of fast high-dimensional search/scoring engines for predicting energetically favourable multi-molecular and cellular complexes; and statistical analysis and interrogative visualization of neuronal form-function.

In honouring Dr. Chandrajit Bajaj, IIT Delhi recognizes the outstanding contributions made by him in Teaching and Research. Through his achievements, Dr. Chandrajit Bajaj has brought glory to the name of the Institute.