Short Biography of Prabir Daripa

Dr. Prabir Daripa received his undergraduate degrees from Indian Institute of Technology, Kharagpur in India and graduate degrees in Applied Mathematics and Engineering with specialty in Fluid Mechanics and Scientific Computing from Brown University in 1985. He was a postdoctoral fellow at Courant Institute, New York University during 1985-1987. Dr. Daripa joined the Mathematics Department at Texas A&M University as an Assistant Professor in 1987 and currently he is a full professor of Mathematics. Dr. Daripa teaches graduate and undergraduate courses in fluid mechanics, partial differential equations, numerical methods and analysis, mathematical modeling, perturbation methods, linear algebra, vector calculus, and ordinary differential equations. He has delivered many invited week long courses on Fluid Dynamics and Scientific Computing abroad. He is on the editorial boards of over 15 journals. He has written more than 100 peer-reviewed journal and proceedings articles and many book chapters. He has chaired and served on approximately one hundred doctoral and a dozen of masters committees. Dr. Daripa has also mentored more than ten postdoctoral scholars. He has given many invited regular, plenary and keynote talks. He has served as a member and a chair on several internal and external committees. He has also organized international conferences. He has served on many panels of external funding agencies.

Prabir Daripa is an applied and computational mathematician with expertize in fluid mechanics, partial differential equations, numerical methods, scientific computation, mathematical modeling, fast algorithm and software development, and applied mathematics including data science. His research interests include solving real world problems and in developing application driven fundamental tools of science such as design, development and implementation of smart (fast, accurate, high-order, robust, easily implementable etc.) algorithms for scientific computing and data analysis, with applications to real world applied problems in energy resources areas and in a host of other applied areas related to health sciences, climate change, and earth sciences. He also uses these tools for exploratory purposes in areas of fundamental fluid mechanics and computational mathematics in general. He has received research funding from many federal,local and international agencies including National Science Foundation, Qatar National Research Fund and Texas Advanced Research Program. He is very active in research and enjoys collaborating with colleagues and mentoring undergraduate, graduate students and postdoctoral scholars. More information can be found in his homepage linked to the departmental homepage http://www.math.tamu.edu/