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Dr C. Shu is currently a Professor in the Department of Mechanical Engineering, National University of Singapore. He received his Beng and MEng degrees from the Department of Aerodynamics, Nanjing University of Aeronautics and Astronautics (NUAA), China, and PhD degree from the Department of Aerospace Engineering, University of Glasgow, UK.

Dr Shu has been working in the Computational Fluid Dynamics (CFD) for many years. His major interest is to develop efficient numerical methods to solve heat transfer and fluid flow problems, which are governed by a set of partial differential equations. He is the pioneer in the development and application of generalized differential quadrature (GDQ) method. In recent years, he developed the domain-free discretization (DFD) method, least square-based finite difference scheme (LSFD), the radial basis function-based differential quadrature (RBF-DQ) method, and the boundary condition-enforced immersed boundary method. These approaches have been effectively applied to solve problems with complex geometry and moving boundaries. He also made a great effort in the development and application of lattice Boltzmann method (LBM). His work covers almost all areas of LBM and its applications.

Dr Shu is an active researcher in CFD. So far, he has authored 1 monograph and published more than 200 articles in the international referred (SCI-indexed) journals. His work is widely cited by other researchers. Among top 5 most downloaded articles in *Journal of Computational Physics*, a top journal in CFD, in 2006 & 2007, Dr Shu's group contributed 3 articles. They are ranked No. 1, 2 and 4. Currently, he serves as an Editor-in-Chief for an international journal of *Advances in Applied Mathematics and Mechanics* and the book series of *Advances in Computational Fluid Dynamics*. He is also the Member of Editorial Board of another 4 International Journals.