



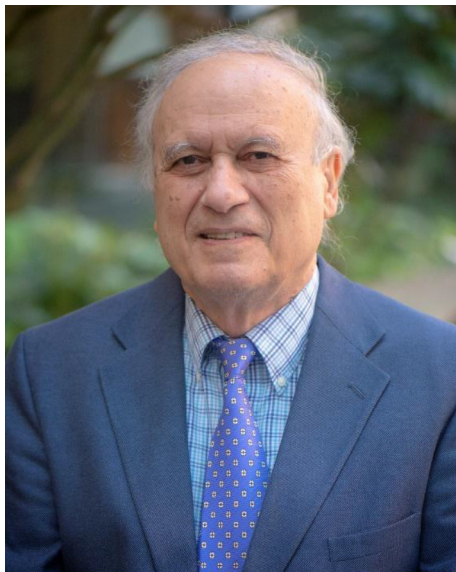
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In Celebration

Professor A. Haji-Sheikh on his 85th birthday



On November 27, 2018, Professor A. Haji-Sheikh celebrates his 85th birthday. For more than 50 years, he has made outstanding contributions as a scholar and teacher. He is a well-respected and prominent contributor to several scientific and engineering communities within the United States and internationally, especially in the areas of floating random walk for Monte Carlo, Galerkin-based Green's functions applied to conduction heat transfer, and solutions to inverse problems.

Professor Haji-Sheikh was born in 1933, in Dezful, Khuzistan, Iran, where he received his B.S. degree in mechanical engineering (1956, University of Tehran). He came to the United States in 1957, where he received his M.S. degree from University of Michigan, Ann Arbor, in mechanical engineering, in 1959, and his M.A. degree in mathematics, from the same university, in 1961. In 1965, he received his Ph.D. from University of Minnesota, Minneapolis, in mechanical engineering under Prof. Ephraim Sparrow. He was an instructor at the Mechanical Engineering Department, University of Minnesota, Minneapolis.

In 1966, he joined the Department of Aerospace and Mechanical Engineering, University of Texas at Arlington, Arlington, Texas. It was a school in transition. It was started in 1895 as a two-year school, Arlington College. In 1959, it became Arlington State College, a four-year institution. In 1965, it was transferred to the University of Texas System. He was recruited to develop measurement laboratories to insure accreditation. In 1967 the University decided to offer graduate courses. In all of these substantial

transitions, Professor Haji-Sheikh's contributions were invaluable. It helps to explain how he came as an assistant professor in 1966 and rose to full professor in 1970. Many of his former students play prominent roles in academia, research laboratories, and in government.

Prof. Haji-Sheikh has been a decades-long loyal and productive friend and colleague. He has made many unique contributions including solutions for multi-layer 3D heat-conducting bodies, entrance flows, and eigenvalues computation in heat conduction. In addition to his unique contributions and leadership in various topics, he has been a very productive and valuable team member. As a contributor to the EXACT project funded by the US NSF, Professor Haji-Sheikh provided numerous heat conduction solutions and accompanying computer code for layered planar bodies, for layered cylindrical bodies, and for thermal-wave effects in finite and semi-infinite bodies. He continues to teach and has published recently on non-Fourier heat conduction (both single- and dual-phase lags), heat conduction in multilayers, and heat transfer and fluid flow in porous media.

Professor Haji-Sheikh has authored more than 100 archival journal articles and seven book chapters, as well as countless technical presentations. Many of his publications have been collaborations made possible by his lifelong search for people who share his enthusiasm for discovery. Professor Haji-Sheikh is author of graduate level books: *Integral Methods in Science and Engineering*, 1985, eds. Payne, Corduneanu, Haji-Sheikh, and Huang, (Hemisphere, 1986); *Integral Methods in Science and Engineering*, 1990, eds. Haji-Sheikh, Corduneanu, Fry, Huang, and Payne, (Hemisphere, 1991); *Heat Conduction Using Green's Functions*, Beck, Cole, Haji-Sheikh, and Litkouhi (Hemisphere, 1992); *Heat Conduction Using Green's Functions*, Cole, Beck, Haji-Sheikh, and Litkouhi (Taylor & Francis, CRC Press, 2010, 2nd Ed.); and *Heat Transfer in Composite Materials*, Seiichi Nomura and A. Haji-Sheikh, Desteck, 2017.

Active in the Heat Transfer Division of the American Society of Mechanical Engineers, Professor Haji-Sheikh has been a Fellow of ASME since 1992 and a Senior Member of AIAA. He served as Associate Technical Editor for the ASME Journal of Heat Transfer (2005–2008); as Associate Editor for ASME Press Book Series in Electronic Packaging (2002–Present); and as Guest Editor for the Special Issue of Inverse Problems in Engineering and the Tenth Inverse Problems in Engineering Seminar, Vol. 9, No. 5, 2001. Also, he served on numerous editorial boards: International Editorial Board, Inverse Problems in Engineering (2001–2004); Editorial Advisory Board, Numerical Heat Transfer (2002–Present); and Advisory Board, Inverse Problems in Science and Engineering (2004–Present). Professor Haji-Sheikh was awarded ASME Heat Transfer Memorial Award for Science in 2005. Other awards include the ASME Journal of Heat Transfer Exemplary Service Award, 1993; Distinguished Record of Research Award, UTA, 1996; Distinguished Scholar

Professor, UTA, 2004; Charter member of UTA Academy of Distinguished Scholar, 2004; Research Excellence Award, UTA, 2005 and 2006; and ASME 75th Anniversary Medal Recipient, 2013.

On behalf of his great many friends, former students, and colleagues worldwide, we wish Professor Haji-Sheikh a resounding Happy 85th Birthday with many thanks for all of his valuable contributions, outstanding service, leadership, and, especially, his friendship. We wish Professor Haji-Sheikh and his family many happy years of continued prosperity and great health!

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