



In Celebration

Professor Buxuan Wang, Chinese Academician, on his 90th birthday



Professor Buxuan Wang, a professor in the Thermal Engineering Department at Tsinghua University and a member of the Chinese Academy of Sciences, celebrated his 90th birthday in 2012. Prof. Wang was born in 1922, in Wuxi, Jiangsu Province, China. He earned his bachelor's degree in 1943 from Southwest University in China and his Master's from the Department of Mechanical Engineering of Purdue University in 1949. Prof. Wang then returned to China as the leading pioneer and educator in the field of Engineering Thermophysics for many years. He is credited with founding thermal engineering teaching and research in China and with training many leaders in the field. Prof. Wang has made many outstanding contributions to China's science and technology education with many groundbreaking research projects which greatly influenced thermal engineering teaching and research throughout China.

Professor Wang has served on the National Committee of the China Association for Science and Technology, has been vice chairman and chairman of the Chinese Society of Engineering Thermophysics, and led the creation of the Solar Energy Society of China in the 1970s, serving as chair from 1979 to 1987 and now honorary life-time president. In 1981, he then established the China Branch of the International Solar Energy Society (ISES). Prof. Wang was chairman of the Asian Thermophysical Properties Association,

was a member of the Executive Committee of the International Heat and Mass Transfer Center, was the Chinese representative to the Assembly for the International Heat Transfer Conference Board during 1986–2002, was editor of the International Journal of Heat and Mass Transfer during 1982–2004 and the International Journal of Thermophysics since 1984, and was elected a member to the New York Academy of Sciences.

Professor Wang was the first chairman of the Academic Degrees Committee of the Chinese State Council, he served on the 1956 National Long-term Scientific Planning Commission, he initiated the engineering thermal physics discipline in China in 1962 and he worked on the 1978 National Science and Technology Planning Commission. He founded and led the nation's first thermal physics undergraduate program at Tsinghua University in 1957. In 1986, the World Energy Association awarded Professor Wang their Energy and Human Services Award. He was awarded the Chinese National Natural Science Award in 1989 as a leading force in the development of the heat transfer field in China. He was recognized by the State Education Commission in 1992 for his scientific and technological contributions, he received the State Board of Education and Technology Progress Award in 1995 and 1996, and the HLHL Science Progress Award in 1998. He received the Lifetime Achievement Award from the Asian Conference on Thermophysical Properties in 2010.

He has published more than 400 papers on heat and mass transfer, energy conservation and thermodynamics that have been cited more than 2000 times. He has published various monographs, 10 textbooks, and eight International Conference Proceedings. He continues to be involved with students with his main research interests in recent years including heat and mass transfer in porous media and in microchannels, boiling and condensation and two-phase flow.

As he celebrates his 90th birthday, on behalf of his colleagues, students and friends all over the world, we all wish Prof. Wang a very happy birthday and continued long life. Prof. Wang continues to influence his colleagues all over China with creative ideas for today's high-tech heat transfer problems and to challenge them to develop better, cleaner, more efficient heat transfer systems. He continues to have enthusiasm for fundamental heat transfer research. We wish him all the best and look forward to many more years of his influence on heat transfer research in China.

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