

## Professor Takashi Sato



PROFESSOR Emeritus Takashi Sato of Kyoto University graduated from Kyoto Imperial University (afterward renamed Kyoto University) in 1943. Just after finishing his graduate course there in 1945, he started his academic career as Lecturer at Kyoto Imperial University. He was promoted to Associate Professor in 1947 and received his Doctor's degree in 1954. He had been Professor at Kyoto University for 24 years up to his retirement in 1983 and was Dean of the Faculty of Engineering, Kyoto University, from 1981 to 1983. He was President of the Heat Transfer Society of Japan in 1977 and was Vice President of the Japan Society of Mechanical Engineers in 1979. He is now Professor at Setsunan University located close to Kyoto.

Professor Sato joined the Board of Editors of the *International Journal of Heat and Mass Transfer* in 1961, almost the first moment of its birth, and worked as the first Japanese Editor up to 1972. He remained on the Honorary Editorial Advisory Board of the journal up to 1986.

The research activities of Professor Sato cover the wide range of thermal engineering; performance of steam turbine blades and steam ejector, thermal properties of water and other substances, coal combustion and gas turbine combustor, combustion oscillation and instability, in addition to heat transfer which has been his main concern. He undertook studies on various heat transfer problems; heat transfer packed bed, radiative heat transfer in luminous flame, laminar and turbulent convective heat transfer, its augmentation and numerical computation, turbulence structure and its modelling, forced convection boiling heat transfer, critical heat flux and heat exchangers. He published 130 scientific papers and co-authored many books and handbooks. One of his books published in 1956 was the first Japanese textbook on heat transfer.

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