

Professor Jean-François Sacadura 60 Years Dedicated to Thermal Science and Engineering

Jean-François Sacadura was born on September 18, 1941, in Lisbon, Portugal. Son of Luis Mousinho and Klara (Ody) Sacadura, he arrived in France in 1959. He obtained his Mechanical Engineering degree (Dipl. Ing.) from the Institut National des Sciences Appliquées (INSA), Lyon, France, in 1963. Then, he initiated a brilliant and successful career in Thermal Science and Engineering, summarized below. In this special issue, we celebrate his first sixty years of dedication to the advancement of science and technology in this field.

His academic career was initiated at the INSA Lyon, in parallel with his advanced formation in the same prestigious institution, achieving the degrees of Doctor of Philosophy in Engineering, Faculty of Sciences, Lyon, 1969, and Doctor of Science, INSA Lyon, 1980. He worked as Assistant at INSA from 1963–1971, Maitre-Assistant/Associate, from 1971–1976, Maitre-Assistant 2eme. Class, 1976–1977, Professeur 2eme Class, 1977–1983, Professeur 1er Class, 1983–1996, and Professeur Class Except., since 1996 until he became Emeritus Professor at the same INSA Lyon. He also founded the Thermal Science Center (CETHIL, Centre d'Énergétique et de Thermique de Lyon), a mixed research unit of INSA Lyon, Université Claude Bernard Lyon, and CNRS, and served as its Director from 1997 until his retirement.

Sacadura is a member of the French Thermal Society, SFT, having served as its Chairman in the period 1997–1999, of the European Conference on Thermophysical Properties, being Chairman in 1993–1996, the University Thermal Group, founding member of the Eurotherm Committee, from 1987–1997, member for the National University Council, Paris, since 1987, and of the French National Committee for Science Research. In 1986 he was named Chevalier of the Ordre des Palmes Académiques, being elevated to Officier in 1998 and, finally, Commandeur in 2005. In 1989 he was also awarded the Academie-Institut National des Sciences Appliquées Prize. More recently, he became the recipient of the 2019 International Centre for Heat and Mass Transfer (ICHMT) Fellowship Award, in recognition of long

and active service provided to the Centre on both the Executive Committee and Scientific Council.

He is also very well known for his first book “Initiation aux transferts thermiques”, originally published in 1980, at a time when there were very few works in French on this subject. This book became the basic compendium for initial and continuing training in thermal science of the vast majority of engineers and technicians in French-speaking countries. A second book was published more recently, in 2015, entitled “Transferts thermiques: Initiation et approfondissement”. Following on from the first, this new book is a collective work of researchers specializing in the various subjects covered, coordinated by Prof. Sacadura. The target of the book was widened, in addition to engineers and technicians from industry, adding a great deal of advanced material for researchers in thermal science. In particular, it provides an introduction on subjects such as micro- and nano-scale heat transfer and inverse methods in thermal problems, fairly recent and constantly progressing fields.

Prof. Sacadura has devoted his career to teaching and research in the field of heat transfer and thermophysics. He is an academic reference and worldwide known in the field of radiative transfer in participating media, such as for his disruptive research, both experimental and theoretical, on thermal radiative properties in complex media. His achievements span a wide range of applications such as in fire safety, packed beds, fibrous insulating materials, open cell foams, conjugated problems, combustion flames, laser beams, inverse problems, and others. He has formed a legion of graduate students along these six decades, from different parts of the world, and a number of them became University Professors and formed another generation of researchers that are putting forward the ideas germinated by their interactions with Prof. Sacadura. Motivated by his passion and based on his experience in thermophysics and heat transfer, he has co-founded and contributes as co-Editor-in-Chief to the success of this journal.

Jean François married Josiane Marie Guillaud, on December 31, 1969, and they have one daughter, Eva Elisabeth. At the occasion of the 60th anniversary of his career initiation, we would like to wish Jean François many more years of contribution to the thermal science advancement and express our gratitude, as a research community, for his outstanding achievements and continuous dedication to our cause.

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