

## **In Memoriam Professor Ismail Hakki Tavman**

### ***Selected Papers from 6th Int. Conf. on Thermophysical and Mechanical Properties of Advanced Materials, (THERMAM) 22–24 September 2019, Çeşme, İzmir, Turkey***

Prof. Ismail Tavman finished his undergraduate education at Bosphorus University, Istanbul, Turkey, in 1973, his MSc degree at Université Pierre et Marie Curie, Paris, in 1983, and his DSc degree at École Nationale Supérieure d'Arts et Métiers, Paris, France, in 1987, all of them in Mechanical Engineering. Since 1989, he has worked at the Mechanical Engineering Faculty of the Dokuz Eylül University, in Izmir, Turkey, becoming Associate Professor in 1994 and Full Professor in 2000. He was a member of the Turkish Chamber of Mechanical Engineers, since 1973, and an elected member of the Scientific Council of ICHMT – International Center for Heat and Mass Transfer.



**Professor Ismail Hakki Tavman**

Along his career the research interests were focused on thermal and mechanical properties of particle filled and fiber reinforced polymer composites, thermal anisotropy in polymers, thermal conductivity in porous media and in food materials, experimental techniques for measuring thermal diffusivity and conductivity, thermal and mechanical properties of nanoparticles and nanofibers filled polymer composites, nanofluids characterization, thermal performance and applications, among other topics. In parallel to the mechanical and thermophysical properties emphasis, he dedicated part of his career to study energy topics, such as cogeneration, geothermal energy, wind energy, energy saving techniques, and pinch technology.

Throughout his career, Prof. Tavman directed or participated in international cooperation projects with different groups around the world, working

as Visiting Professor at various Universities in France, Germany, Brazil, Slovakia, Romania, Azerbaijan, and Bulgaria, to name a few.

In 2014, he launched the series of international conferences coined as THERMAM – “International Conference on Thermophysical and Mechanical Properties of Advanced Materials”, jointly with colleagues in Rostock, Germany, which he chaired or co-chaired up to the 4<sup>th</sup> edition, from 2014 till 2017, before he passed away just too early, in January 26, 2018. The picture selected for this dedication is from his Keynote Lecture presented at the 4<sup>th</sup> THERMAM in July, 2017, held in Rostock.

In 2019, on occasion of the 6<sup>th</sup> edition of the THERMAM conference, Prof. Sebnem Tavman, from Ege University, Izmir, Turkey, Ismail’s wife and closest collaborator, accepted the emotionally difficult task of becoming the conference chair, held in September 22<sup>nd</sup> to 24<sup>th</sup>. The event was very successful, with high level articles and outstanding presentations. Keynote speakers from different countries were invited, including France, Germany, Brazil, India, Slovakia, and Turkey.

The idea of proposing a series of dedication papers to honour Prof. Ismail Tavman in this journal naturally arose from the discussions among invited speakers and organizing committee, and was promptly supported by the journal Editors, Profs. Egry and Sacadura. This opportunity was then open to the participants, and a committee was formed to aid in the selection of the papers from THERMAM, under the coordination of Profs. Sebnem Tavman and Alpaslan Turgut.

Ismail left a legacy of solid scientific contributions in the field of mechanical and thermophysical properties, that shall remain alive through his articles and through the continuing work of his ex-students and collaborators. Most important, he was a dedicated husband and father, and he lives through the beautiful memories of Sebnem, Typhoon, and Timor. Through them, Ismail shall always smile.

Prof. Sebnem Tavman – Ege University, Turkey

Prof. Alpaslan Turgut – Dokuz Eylul University, Turkey

Prof. Renato M. Cotta – Federal University of Rio de Janeiro, Brazil

Prof. Helcio R. B. Orlande – Federal University of Rio de Janeiro, Brazil

Prof. Carolina P. Naveira-Cotta – Federal University of Rio de Janeiro, Brazil

Prof. Iván Egry – Institut für Theoretische Physik, RWTH Aachen, Germany

Prof. Jean François Sacadura – INSA Lyon Thermal Science Centre, France