

## CITATION

The 2006 Tribology Gold Medal

Awarded to

**PROFESSOR ROBERTO BASSANI**

for his outstanding contribution to the science and  
technology of tribology



Professor Roberto Bassani was born in Treviso in 1931. He began his university career in 1963 at the Engineering Faculty of the University of Pisa. In 1972 he became a lecturer of mechanical engineering at the same university and in 1976 won the open competition for the Chair in this subject, of which he is a full professor.

The range of Professor Bassani's research activities have been immense, covering much of the field of tribology. His research on static and dynamic analysis of highspeed hydrostatic bearings, his work on space and cryogenic applications and on bearings in extreme conditions, including the effects of lubricant starvation and the role of advanced materials and coatings and lubrication with special lubricants, have been outstanding. His work on the optimisation and application to equipment operating at very low friction, and his research on thermo hydrodynamic behaviour of axial hydrostatic bearings are of the highest standard.

In the field of elasto-hydrodynamic lubrication Professor Bassani has advanced knowledge of the pressure-film thickness correlation and mixed and boundary lubrication. He outstandingly contributed to the knowledge of fractal models, chaos and the influence of micro morphology on the tribological behaviour of polymers.