



IUPESM Awards of Merit 2018

Jos A. SPAAN, *The Netherlands*

Jos A. Spaan is Professor Emeritus of Medical Physics at the Academic Medical Center (AMC) of the University of Amsterdam. He got his MSc (1970) and PhD (1976) degrees from the Eindhoven University of Technology, Eindhoven the Netherlands. In his distinguished career, he was holding prominent positions in numerous scientific institutes and universities:

- 1976 – 1987 Dept of Physiology and Physiological Physics of the Faculty of Medicine at the University of Leiden.
- 1983-1997 part-time professor of Physiological Physics at the Delft University of Technology
- 1987-2010 Prof Medical Physics at the Academic Medical Center, AMC, at the University of Amsterdam
- 1988 - 2006 Head of the Dept. of Medical Physics at the AMC.
- 1981 (fall) Visiting Scientist Cardiovascular Research Institute, University of California, San Francisco, USA
- 1994 Visiting Scientist Cardiology Division, Johns Hopkins University, School of Medicine, Baltimore, USA
- 2003 Visiting Scientist Cardiology Division, University of Iowa, Iowa City, USA

His major research interests is the development of engineering models to describe mechanics and control of blood flow. Prof. Spaan published more than 150 papers in peer reviewed journals and had more than 4000 citations. He received several distinguished awards and recognitions:

The Isaac Starr Lecture 2004, Cardiovascular Dynamics Society.

Knighthood in the order of the Dutch Lion.

Fellow of the following organisations: American Heart Association, the American Physiological Society (Cardiovascular Section), International Academy for Medical and Biological Engineering, American Institute for Medical and Biological Engineering.

In addition to his scientific achievements, Prof Spaan contributed to biomedical engineering and science also through his societal engagement: he served in several offices within IFMBE (as listed above), within IUPESM as Secretary General (1996-1998) and as the 1st President Elect of the EAMBES, the regional daughter BME society of IFMBE, in 2005.

As the Editor in Chief of the IFMBE journal Medical & Biological Engineering & Computing, MBEC, from 2006-2012, Prof Spaan significantly increased the visibility of the journal and therethrough of the Federation.