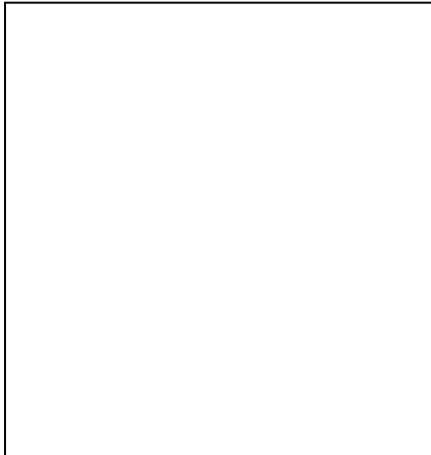


Personal information form for Fellow members of EAMBES

Personal Info



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Prof. Einav, Incumbent of the Herbert Berman Chair for Vascular Bioengineering of Tel Aviv University, is a world-distinguished expert in the cardiovascular circulatory system and the field of biomedical engineering. He is currently a University Research Professor at the State University of New York at Stony Brook and the Co-Director of their Center of Excellence. He is best known for his studies on blood flow through heart valves, coronary circulation, blood-tissue interaction, and flow and turbulent characteristics in occluded arteries. The focus of his research is the role of hemodynamics in the initiation of atherosclerosis, the dynamics of cardiovascular flows, and the influence of flow and the associated shear stress on vascular endothelial biology. In recognition of his significant achievements and important contributions to science, biomedicine and technology, he has been elected as a Fellow of the American Institute for Medical and Biological Engineering (AIMBE), the International Federation for Medical and Biological Engineering, European Alliance for Medical and Biological Engineering & Science, Biomedical Engineering Society and a Fellow of the American Society of Mechanical Engineers (ASME). Prof. Einav is also a Distinguished Scholar in Residence at Caltech – California Institute of Technology.

During his tenure at Tel Aviv University, under his supervision, the Department of Biomedical Engineering was established, a Graduate Program in Biomedical Engineering was successfully implemented, and in 2001 the first class of Undergraduate Biomedical Engineering students began its studies. He is the Founding Director of the Slezak Super Center for Cardiac Research and Biomedical Engineering, the Founding Director of the Kodecz Center for Medical Engineering and Physical Sciences, the Founding Director of the Austrian Laboratory for Cardiovascular Flow Dynamics, and the Founding Director of the California Friends Laboratory for Biomedical Computing and Parallel Processing.

Prof. Einav has published more than 130 scientific articles, reviews and invited chapters, and a multitude of abstracts in the biomedical engineering, fluid mechanics and medical fields. He is a member of the editorial board of three leading journals. He is the Principal Investigator in a number of research projects and grants, awarded from Israel, Europe and United States sources, including NIH, NSF and NASA. Prof. Einav is the past President of the Israeli Society for Medical and Biological Engineering.

Prof. Einav his BSc and MSc from the Technion in Israel and his PhD from Stony Brook University in New York. He is married to Chasia Einav and together have three children and two grandchildren.