

Jüri Engelbrecht – Short CV

Jüri Engelbrecht (1.08.1939) received his Dipl. Eng. degree in Civil Engineering from Tallinn University of Technology (TUT) in 1962. He obtained his PhD in Mechanics after completion of the post-graduate course and joined the Institute of Cybernetics of the Estonian Academy of Sciences (presently at TUT) in 1969. He got his DSc degree in 1981 and later became the Head of the Department of Mechanics at the same institute. In 1998 he founded the Centre for Nonlinear Studies (CENS), which was chosen among the Centres of Excellence of Estonian Science in 2003. CENS combines studies in several fields – mechanics, biophysics, fractal theories and optics and is a member of the Network of Complexity Centres. He also holds a professorship in Applied Mechanics at TUT. In 1994–2004 he was the President of the Estonian Academy of Sciences, since 2004 he is a Vice-President. He has held visiting appointments in many European universities (Cambridge, Paris 6, Turin, Aachen, etc), is a member of the IUTAM Bureau as well as a number of academies and scientific societies, also a member of Editorial Boards of many academic journals. His main scientific interest is in mathematical physics and theoretical mechanics: nonlinear wave motion and general dynamics, complexity and coupled fields, incl. modeling of cardiac dynamics. He has published over 200 scientific papers and several books (by Pitman, Longman, Springer, and Kluwer). He is involved in designing the science policy for Estonia (funding schemes, research strategies, accreditation, etc.) starting from 1994. He has wide experience in implementing and advising on the European science policy – being a member of the EURAB2, serving in various ad hoc committees of the EC, etc. He is the President of ALLEA (All European Academies) for the term 2006–2009, a member of the ESF Governing Council and a member of the EASAC. In ALLEA he has initiated an analysis upon the research strategies of smaller European countries, research co-operation among the Academies and reflection of the Academies in the European Research Area. He has received honours from Estonia, Finland, France and Poland. In all his activities he insists on the excellence and integrity of research as well as the links between science and society.