

**TAPIO  
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Tapio Mäntylä is an Emeritus Professor in Tampere University of Technology. He finished his Dipl. Engineer (Master of Tech. in Mechanical Engineering) degree in 1973 and Lic.Tech. (in Materials Science) degree in 1977 both in Tampere University of Technology. He worked the whole of his academic career in the same institution, first as research associate in 1973-1985, then as associate professor in 1986-98 and finally as professor in Ceramic Materials and Coatings in 1998-2010. During this period he worked also as Visiting Associate Professor (Advanced Materials Chair endowed by Nippon Steel Co.) in the Research Center for Advanced Science and Technology (RCAST) in the University of Tokyo, Japan, 6 months in 1989-90 and as Visiting Advisor, in the International Center for Young Scientist in NIMS, Japan for 1 month in 2005.

His earlier research topics were mainly in the field of wear and corrosion resistant as well as high temperature barrier and insulating thin coatings produced by CVD and PVD. He was a member of the International Advisory Board for Euro CVD conferences, 1987-2009 and chairman of EUROCV 1991-93 and the main organizer and chairman of EUROCV 9 held at Tampere 1993. The work with coatings enlarged later into thick ceramic coatings processed by plasma plasma and detonation spraying. He was also a coordinator and responsible leader of national research program in Finland on Engineering Ceramics in 1986-89. The most recent research topics include functional surface properties, nano composites and laser processing. He has published 130 scientific papers, 420 papers in international conferences and seminars, 320 technical reports and holds 12 patents. He has participated in several international joint projects within COST, EU, advisory boards of conferences and seminars, international evaluations etc. Tampere University of Technology awarded him with the Certificate of Honour: Distinguished Supervisor of Doctoral Thesis (2005) and ASM international nominated him as Fellow of ASM International (2005). He also obtained honor of Knight, First Class, of the Order of the White Rose of Finland (2009).

He has been representing Finnish Ceramic Society in ECerS council during 2003-11 and was a member of permanent executive committee PEC 2010-11.