

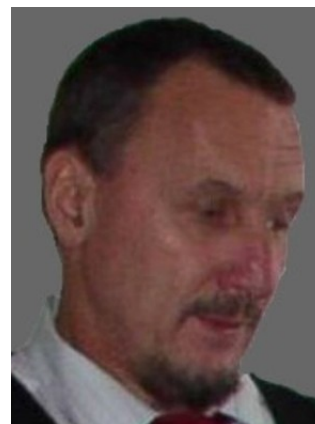


Topic of the Speech:

Advanced Fibrous Structures for Shielding of High Frequency Electromagnetic Radiation

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Prof. Jiří Militký is a full professor from the Department of Material Engineering, Textile Faculty, Technical University of Liberec, Czech Republic. His research focuses on modeling the properties of fibers and textile structures. Research in the area of textile material engineering, metrology, and applied statistics. His main activities and responsibilities include working in the field of modeling kinetic processes in the solid phase. In this field, he published about 30 scientific papers. He was engaged at the State Textile Research Institute in the Department of Mathematical Modeling of Textile Structures from 1973 to 1976. He started with research in the field of statistical data analysis and quality control here. On these themes, he published 4 books and about 100 scientific papers. From 1976 to 1989, he was engaged at the Research Institute of Textile Finishing in Dvůr Králové, holding various positions, including head of the research department and scientific secretary. Here, he worked in the field of textile dyeing, the physics of the fibers, mathematical modeling in the textile branch, and the control of dyeing and drying processes. In collaboration with the University of Pardubice, he is working in the field of chemometrics in analytical laboratories. The two-volume monographs, published in England, were completed in 1994 and 1996. In 1982, he defended his Ph.D. thesis on the properties of modified polyester fibers. Since 1989, he has been at the Technical University of LIBEREC (TUL). He is responsible for lectures in TUL at the Department of Textile Materials (textile fibers, textile testing, quality control, mathematical modeling, data treatment). He has won numerous awards and is a member of several scientific societies. To date, he has published 37 books and 687 articles, and his H-index in SCOPUS is 49.