



Professor Tadeusz Pakuła

1946 - 2005

Researcher at the Centre for Molecular and Macromolecular Studies,
Polish Academy of Sciences in Lodz (1976 -1984)
and at Max-Planck Institute for Polymer Research in Mainz (1984 - 2005)

Professor at Department of Molecular Physics at Faculty of Chemistry,
Lodz University of Technology (1995 - 2005)

Author of over 300 publications in renowned journals.

A very active participant in the "*Copernicus*" project, on the basis of which the "*Nanofun Poly*" project and then the ECNP project were developed.

Tadeusz Pakuła made a significant contribution to the knowledge of the correlation between the structure of polymers and their molecular dynamics and macroscopic properties.

He was one of the pioneers in the use of laser light to study the supramolecular structure of polymers using self-built lasers in 1970.

Tadeusz Pakuła developed original and very effective algorithms for simulating the structure and dynamics of macromolecules with complex architecture - *Cooperative Motion Algorithm (CMA)* and *Dynamic Lattice Liquid Model (DLL)*. The DLL algorithm was the basis for the *Real Complex Systems Analyzer (ARUZ)* project, developed at the Lodz University of Technology. ARUZ was built in Lodz Bionanopark in 2014.