

Jan Petzelt

Born: March 16, 1941 in Prague

Nationality: Czech

Affiliation: Institute of Physics, Czech Academy of Sciences

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Academic background:

1963 Graduated from Faculty of Mathematics and Physics, Charles University, Prague, specialisation in solid state physics;

1972 CSc. (equivalent to PhD) thesis on "Far infrared spectroscopy of soft modes near ferroelectric phase transitions";

1992 DSc. thesis on "Long-wavelength dielectric spectroscopy of low-energy lattice excitations in ferroelectrics and related materials";

Employment: Since 1963 Department of Dielectrics, Institute of Physics, Czechoslovak Academy of Sciences, Prague;

1993-2008 head of the Department of Dielectrics;

Since 2009 retired, part-time employment.

Research areas:

- Far infrared and dielectric spectroscopy of crystals, ceramics, thin films and composites;
- Lattice dynamics of ferroelectrics, relaxor ferroelectrics, incipient and doped incipient ferroelectrics, dipolar glasses, composites, microwave dielectrics and incommensurate structures, phase transitions and soft and central modes;
- Broadband dielectric spectroscopy, effective dielectric response of inhomogeneous media, percolation, giant permittivity effects.

Author and co-author of more than 430 publications including over 60 invited papers and review articles, with more than 11000 citations, h-index 57.

- 1991-2015 member of the Steering Committee of the European Meeting on Ferroelectricity;
- 1997-2013 member of the Steering Committee of the International Meeting on Ferroelectricity;
- Associate Editor of the journal Ferroelectrics (1994-2022).
- Member of the Steering Committee of the section "Structural and Dynamical Properties of Solids" of the EPS Condensed Matter Division (1999-2008).
- Member of the Advisory Board of Journal of Physics: Condensed Matter (2001-2006).

Awards:

•1981 Joint prize (together with G. V. Kozlov and A. A. Volkov, Institute of General Physics, Moscow) of Czechoslovak and Soviet Academy of Sciences on "Submillimetre spectroscopy of structural phase transitions";

•2015 Czech Ernst Mach medal for credit in physical sciences;

•2016 European Conference on Applications of Polar Dielectrics (ECAPD) award.

Languages: Czech, English, German, Russian.

