

CAVAILLÉ, Jean-Yves

Professor

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MATEIS-INSA

Co-director of the Science and Engineering

Lyon Tohoku joint lab (ELyT lab)



Research activities / interests

Keywords

Solid state polymer physics, nanocomposites, mechanical behavior, electrical behavior, smart polymers

Ongoing projects

- Relaxations in amorphous polymers, below and above their T_g
- Actuators and energy harvesting through electromechanical energy conversion
- Dielectric measurements analysis of soft polymers

Institutions as staff member

- Aix-Marseille Univ.
- Joseph Fourier Univ. (Grenoble)

Institutions as student

- Supelec – Paris VI, master degree
- Aix-Marseille Univ. – CRMC2 CNRS lab: PhD thesis 1
- INSA-Lyon – GEMPPM lab: PhD thesis 2

Teaching activities

- Materials Science and Engineering, INSA-Lyon
- Solid State Physics, Amorphous material physics, Nanocomposites & Applications

Administrative responsibilities

- ELyT lab
- Board of INSA-Lyon
- Co-director of MATéB (joint lab with EDF)