

Yaochen LIN

Associate Professor in Faculty of Physics & Engineering – University of Strasbourg and ICube Laboratory (Engineering science, computer science and imaging laboratory) at Strasbourg

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Research Expertise

- Organic Solar Cells, Semiconductor Physics, Charge Transport
- Physics and Applications of Liquid Crystals
- Teaching in Physics, Electronics, and Electrical Engineering

Education

- Ph.D. in Electronics – Université du Littoral Côte d'Opale and at Unité de Dynamique et Structure des Matériaux Moléculaires (UDSMM, EA 4476), Calais, France (2017).
Dissertation: Dispersion of ferroelectric nanoparticles in liquid crystals: synthesis, phase transitions, and dielectric properties.
- M.Sc. in Nanotechnologies & Nanobiosciences – University of Bourgogne, Dijon, France (2013).
- Engineering Degree in Materials Science – École Supérieure d'Ingénieurs en Recherche des Matériaux (ESIREM), Dijon, France (2013).
- University Diploma of Technology in Materials Science & Engineering – IUT de Nîmes, France (2010).

Academic & Research Positions

- Associate Professor – Faculty of Physics & Engineering, University of Strasbourg (since 2020).
Research conducted at ICube Laboratory (UMR 7357).
- Postdoctoral Researcher – Institut d'Électronique et des Systèmes (IES, UMR 5214), in collaboration with ArianeGroup, Paris (2019–2020).
 - Dielectric breakdown in model solid propellants.

- Temporary Lecturer & Researcher (ATER) – IUT du Havre, University of Le Havre, France (2017–2018).
Research at Laboratoire Ondes et Milieux Complexes (LOMC, UMR 6294).
 - Studied self-organization of cellulose nanocrystals.
- Temporary Lecturer & Researcher (ATER) – IUT & Engineering School of Université du Littoral Côte d'Opale, France (2016–2017).
Research at Unité de Dynamique et Structure des Matériaux Moléculaires (UDSMM, EA 4476).
 - Nanomaterial- liquid crystal systems
- Doctoral Researcher – Université du Littoral Côte d'Opale, France (2013–2017).
Research on at Unité de Dynamique et Structure des Matériaux Moléculaires (UDSMM, EA 4476).
 - Ferroelectric nanoparticle- liquid crystal systems

Teaching Experience

Undergraduate & Graduate Courses (France):

- Physics: Mechanics, Materials Properties, Physics for Earth & Life Sciences (L1–L3).
- Electronics & Electrical Engineering: Electronics, Electrical Actuators, Power Electronics (L2–M2).
- Computer Science: Programming & Applied Computing (L1).

Supervision & Mentoring

- Supervised 6 Master's students (M1/M2).
- Co-supervision of an ongoing PhD project.

Publications & Dissemination

- 10 peer-reviewed journal articles.
- More than 20 international conference presentations.

Academic Service

- Executive Committee Member, ITI HiFunMat, University of Strasbourg (since 2024).
- Board Member, French Association of Teachers & Researchers in Electronics, Electrical Engineering, and Automation (Club EEA).
- Member of Strasbourg Electronique Organique consortium (STELORG).
- Member of the Organizing Committee of the Science et Technologie des Systèmes pi-Conjugués Conference (SPIC) 2026 at Strasbourg.