



# Photonics

## Photonics

The Photonic Summer School brings together experts in fundamental physics, basic phenomena and photonic technologies who will share with young researchers their knowledge and approaches for understanding and designing basic photonic systems and their practical applications. This summer school combines both theoretical and experimental learning as well as academia and industry viewpoints. A high-level teaching and intense training on key topics photonics and material science will be provided by means of tutorial talks and a variety of practical experiments on the characterization and applications of photonic materials and devices.

Apply

### Subjects:

- Tunable photonic structures and optical systems, including topics such as nematic liquid crystals, their basic properties and applications in photonic devices
- Photosensitive materials and their potential in optical data storage and processing
- Light diffraction, interference as well as holography
- Nonlinear aspects of photonic circuits.

### Format:

5-day course of online lectures, 5-day practical training in our laboratory

### Duration:

**26<sup>th</sup> June – 07<sup>th</sup> July 2023**

2 weeks (60 h: 30 h online lectures and 30 h laboratories onsite – Faculty of Physics)

**Credits:** 5 ECTS

### More about

## International summer schools of WUT

### The target group:

**foreign students/ PhD students** from the European Universities of the ENHANCE Alliance and other universities all over the world

### Scholarships:

only for participants who will take part in a blended-learning summer school to reimburse travel, accommodation and food costs

### Who can apply:

foreign students enrolled for the first-cycle degree studies (undergraduate studies) or a long-cycle Master's programme, who have completed at least 4 semesters of studies or enrolled for second-cycle studies (postgraduate studies) and PhD students

**English level:** at least B2

<https://summerschools.spinaker.pw.edu.pl/>



### Contact:

**International Summer School of the Faculty of Physics**

### Photonics:

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# Warsaw University of Technology

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