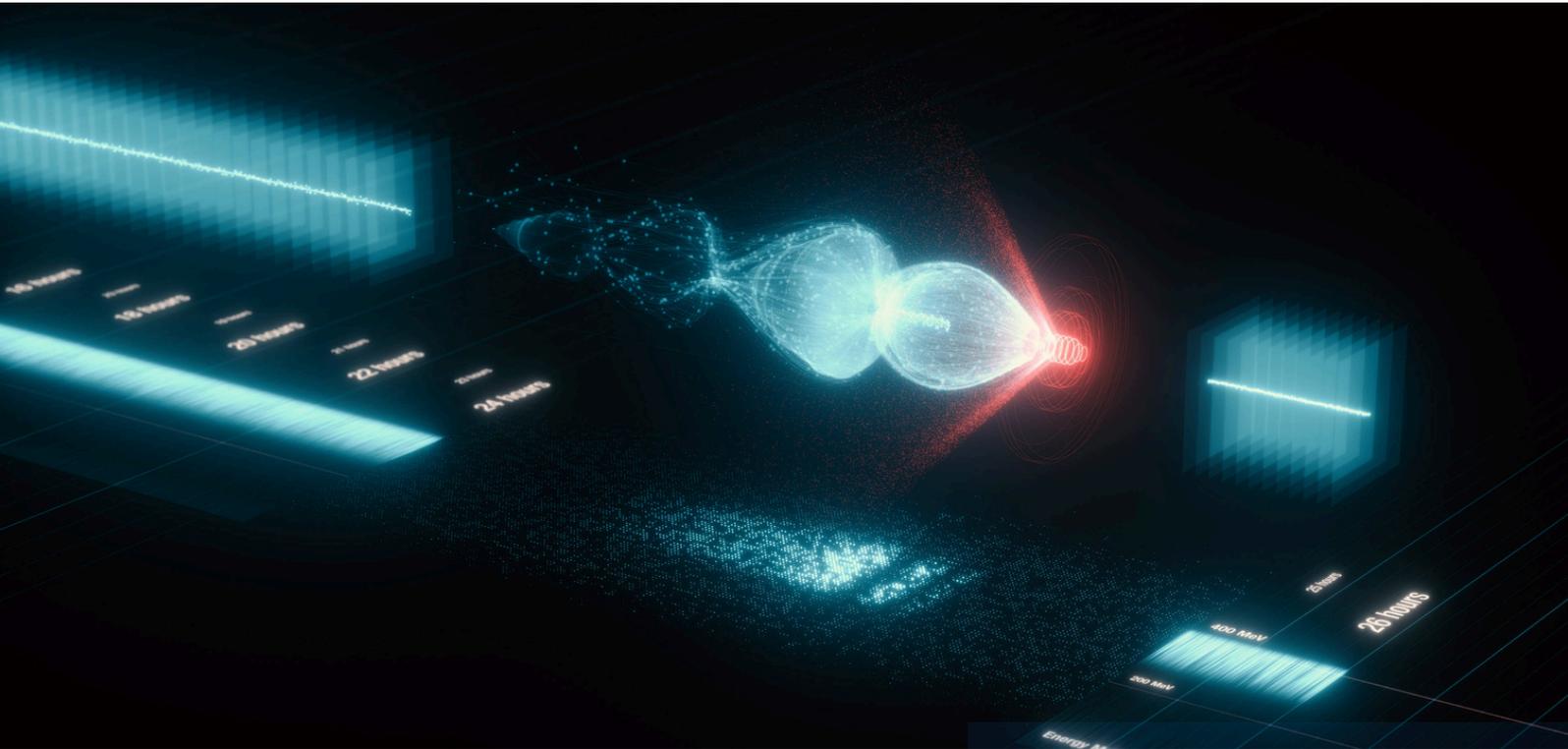


MARCH 2026, ISSUE 1

# EPACE COMPACT

Quarterly Newsletter of the MCSA DN EPACE



## WELCOME TO EPACE COMPACT

*Maxence Thévenet, Scientific Coordinator*

We are delighted to launch our quarterly newsletter, EPACE Compact. It is essential for a scientific consortium like EPACE to maintain momentum and cohesion across our diverse, multinational network. With researchers, PIs, and doctoral students spread across Europe and beyond, regular updates every three months ensure everyone stays informed about key milestones, developments, and upcoming events without overwhelming busy schedules.

Our newsletter keeps the entire EPACE community updated and sparks synergies between people and research projects—it's your opportunity to showcase your news, publications, and events to the network. What we make of it depends entirely on your contributions: share a brief project highlight, a new paper, or an invitation to your workshop, and we'll amplify it across the consortium. Together, we turn these updates into real connections and collaborative opportunities.

## THIS ISSUE CONTAINS

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EPACE Summer School, 2*

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# UPDATE ON EPACE SUMMER SCHOOL

*From 27.04 - 08.05.2026, Crete*

With recent advancements in plasma accelerators and laser-driven X-ray sources reaching maturity, now is the perfect time to explore their transformative potential in academia, medicine, security, and industry.

The European project EPACE launches its Summer School 2026 on compact accelerators and future applications. In collaboration with the Foundation for Research and Technology – Hellas (FORTH), participants are invited to apply for a five-day Summer School, taking place from May 4–8, 2026 at the Athina Palace on the beautiful island of Crete.

## What to Expect

This intensive 5-day program delivers cutting-edge training on Basics of Compact Accelerators & Applications, on the beautiful island of Crete.

- Lectures and talks by internationally renowned experts
- Latest innovations in accelerator science
- Networking, social events, and excursions in Heraklion – including a visit to the Foundation for Research and Technology – Hellas (FORTH)

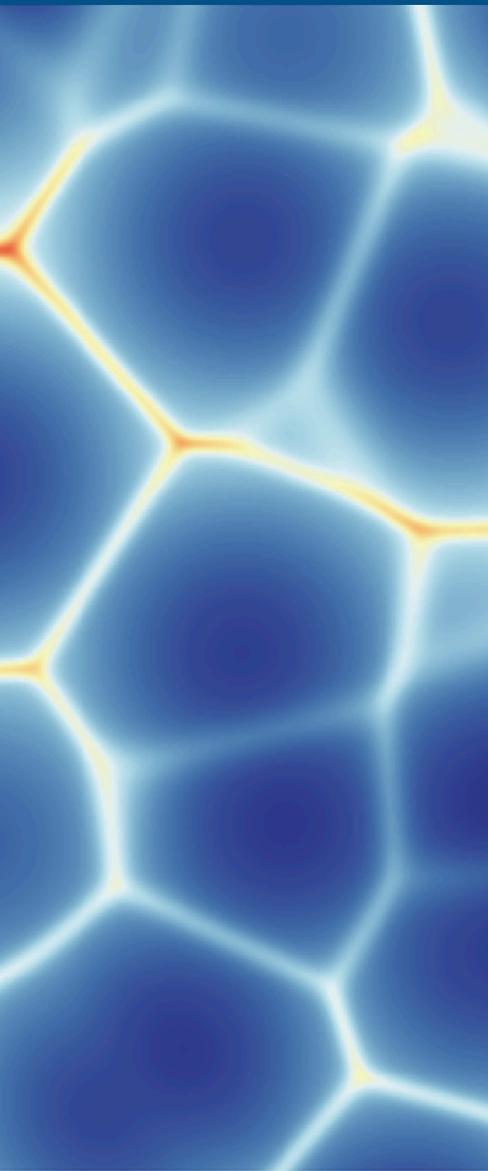
Register until March 15 to secure one of the 15 spots for early stage researchers available:

<https://indico.desy.de/e/epacesummerschool>

**DISCOVER THE FUTURE  
OF COMPACT  
ACCELERATORS AMID  
CRETE'S STUNNING  
SURROUNDINGS**



*EPACE Kick-off Meeting in Hamburg, December 15 & 16, 2025*



**BOHM'S SWIMMING POOL:  
A VISUALISATION OF THE BOHM  
POTENTIAL IN A SIMULATION CELL  
SAMPLED VIA SMOOTHED-PARTICLE-  
HYDRODYNAMICS (SPH)  
INTERPOLATION.  
CREDIT: THOMAS CAMPBELL**

Secondments are an integral part of MSCA Doctoral Networks, exposing fellows to complementary environments and perspectives that support their career development. All EPACE fellows will undertake one or more secondments as part of their individual research and training plans. Sharing these experiences on this platform can foster cross-fertilization between projects and inspire new collaborations and ideas. If fellows would like to share their secondment experiences, this platform is theirs.

## FELLOWS & SECONDMENTS

*Léa Espeyrac is sharing her secondment experience at the University of Oxford.*

As part of the EPACE program, I recently did my secondment at the University of Oxford, first for one week and then for two additional weeks. I worked in Simon Hooker's group on the preparation of an experiment on laser guiding using a HOFI channel.

During my stay, I mainly took part in the alignment of the laser in different parts of the setup (amplifier, adaptive optics, experimental chamber, probe beam), as well as in the optimization of the axicon focus using the adaptive optics. This alignment was required after recent upgrades to the system that created a second beamline specifically for the channel-forming beam, in order to decouple its energy from that of the drive/seed beam.

It was a great opportunity to familiarize myself with their setup,

which is working on a similar experiment to the one we are conducting in Munich, but with a different laser system (Ti:sapphire in Oxford vs. Ytterbium:YAG in Munich), and to see how another lab approaches this experiment. While I was there, I also attended the annual meeting of the Oxford–Munich collaboration (kPAC), which was very helpful for me to better understand and get an overview of the whole project.

Outside the lab, the city's beauty and a few pub expeditions were definitely highlights, even though it was raining basically every day. I also really enjoyed the couple of lunches I had in the colleges, which was a great way to experience the singular atmosphere and traditions of British universities. Overall, it was a really nice experience, and I can't wait to read about your secondments.



*Léa Espeyrac, EPACE Doctoral Student at the LMU, in Oxford lunch room.*

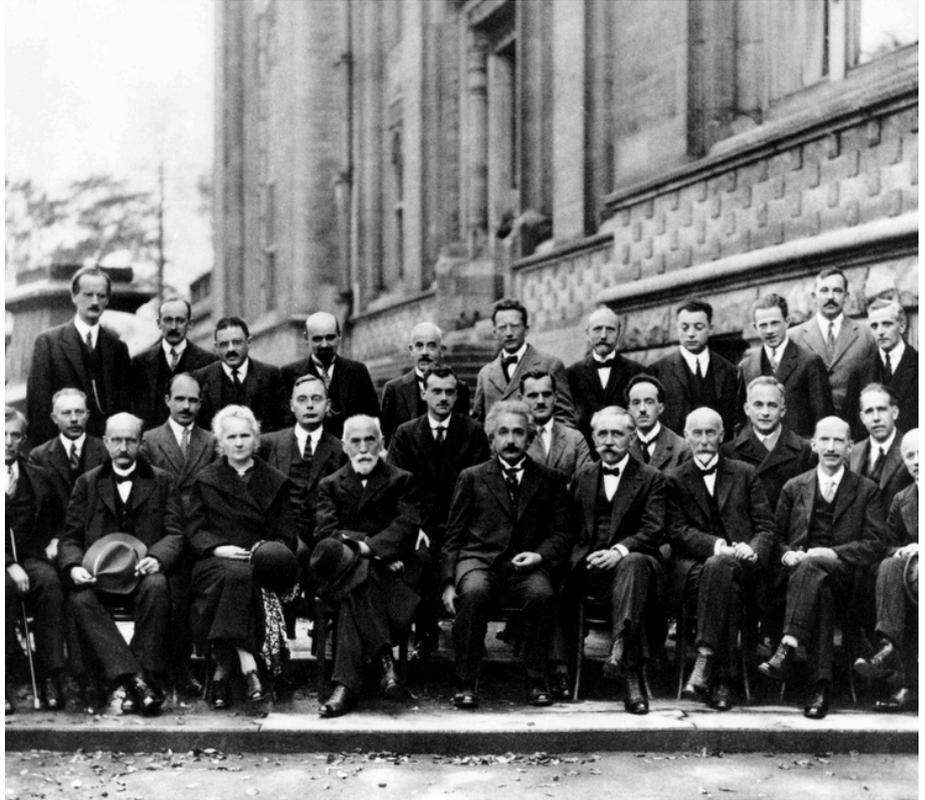
**CALL FOR  
CONTRIBUTIONS:  
SHARE YOUR NEWS  
& EVENTS HERE.**

You are attending an event or conference in the frame of your PhD, then let us know via a short email to: [lisa.crinon@desy.de](mailto:lisa.crinon@desy.de)

This section highlights our Fellows' participation in upcoming conferences and workshops on physics and accelerators. It informs about relevant events to boost professional development, while encouraging networking opportunities. Coordinate with other participants to connect at these gatherings.

## NEWS & EVENTS

*Overview of the participation of the Fellows in relevant upcoming international conferences and workshops in the field of physics and accelerators.*



*1927 Solvay Conference on Quantum Mechanics.*

*Photograph by Benjamin Couprie, Institut International de Physique Solvay, Brussels, Belgium.*