Session Program

30 June 2025 to 11 July 2025

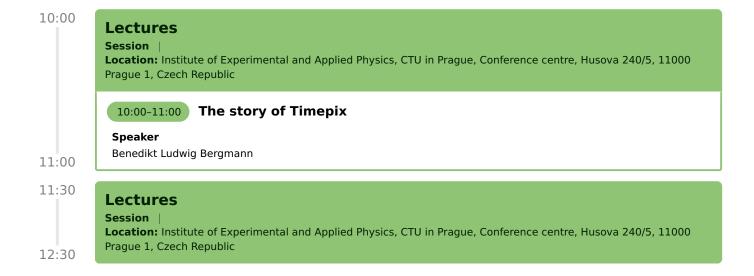


IEEE NPSS Prague EduCom International Summer School (PEISS) 2025

Lectures

Institute of Experimental and Applied Physics, CTU in Prague, Conference centre Husova 240/5, 11000 Prague 1, Czech Republic

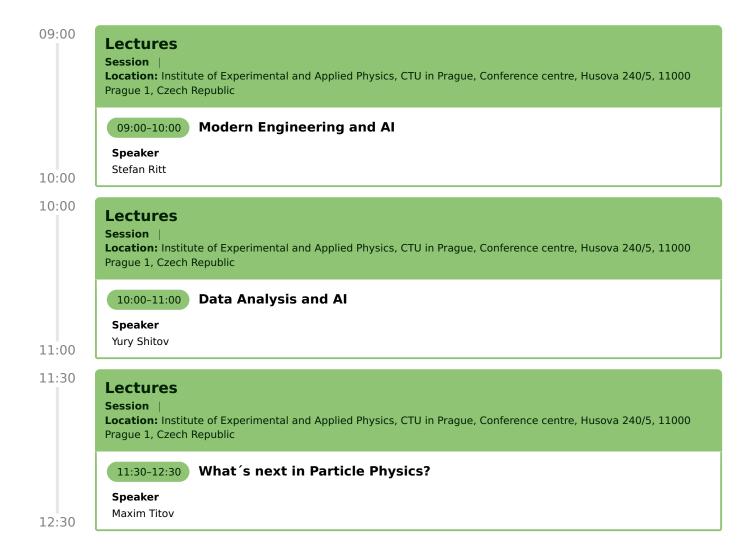
Monday 30 June



Tuesday 1 July

09:00 **Lectures Session** Location: Institute of Experimental and Applied Physics, CTU in Prague, Conference centre, Husova 240/5, 11000 Prague 1, Czech Republic 09:00-10:00 Interaction of Radiation With Matter Speaker Tomáš Trojek 10:00 10:00 **Lectures** Session | Location: Institute of Experimental and Applied Physics, CTU in Prague, Conference centre, Husova 240/5, 11000 Prague 1, Czech Republic 10:00-11:00 TimePix for Imaging and Tomography Speaker Jan Dudak 11:00 11:30 **Lectures** Session | Location: Institute of Experimental and Applied Physics, CTU in Prague, Conference centre, Husova 240/5, 11000 Prague 1, Czech Republic **Gaseous Detectors** 11:30-12:30 Speaker Maxim Titov 12:30

Wednesday 2 July



Thursday 3 July

09:00 **Lectures Session** Location: Institute of Experimental and Applied Physics, CTU in Prague, Conference centre, Husova 240/5, 11000 Prague 1, Czech Republic 09:00-10:00 Accelerators for the Present and Future of Particle Physics Speaker Maxim Titov 10:00 10:00 **Lectures** Session | Location: Institute of Experimental and Applied Physics, CTU in Prague, Conference centre, Husova 240/5, 11000 Prague 1, Czech Republic 10:00-11:00 Radiation detectors: Imaging what you cannot see Speaker Cinzia Da Via 11:00 11:30 **Lectures** Session | Location: Institute of Experimental and Applied Physics, CTU in Prague, Conference centre, Husova 240/5, 11000 Prague 1, Czech Republic **Photodetectors and Photon Counting** 11:30-12:30 Speaker Masaharu Nomachi 12:30

Monday 7 July

09:00 **Lectures Session** Location: Institute of Experimental and Applied Physics, CTU in Prague, Conference centre, Husova 240/5, 11000 Prague 1, Czech Republic 09:00-10:00 Introduction to GATE Exercise Speaker Trang Hoang 10:00 10:00 **Lectures** Session | Location: Institute of Experimental and Applied Physics, CTU in Prague, Conference centre, Husova 240/5, 11000 Prague 1, Czech Republic 10:00-11:00 Basic Applications in Fundamental Research - Neutrino Physics Speaker Rastislav Hodak 11:00 11:30 **Lectures** Session | Location: Institute of Experimental and Applied Physics, CTU in Prague, Conference centre, Husova 240/5, 11000 Prague 1, Czech Republic Measuring picoseconds and GHz 11:30-12:30 Speaker Stefan Ritt 12:30

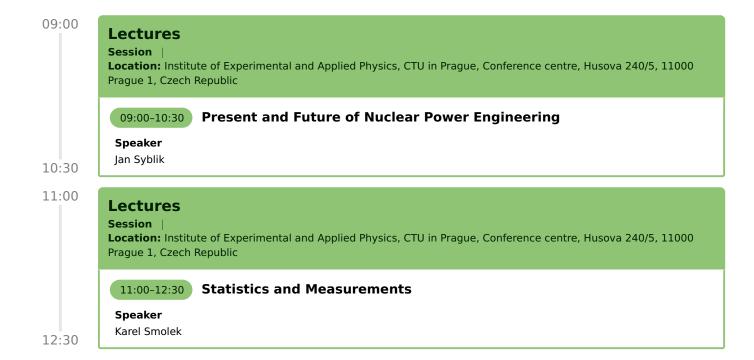
Tuesday 8 July

09:00 **Lectures Session** Location: Institute of Experimental and Applied Physics, CTU in Prague, Conference centre, Husova 240/5, 11000 Prague 1, Czech Republic 09:00-10:00 Astrophysics Speaker Adam Smetana 10:00 10:00 **Lectures** Session | Location: Institute of Experimental and Applied Physics, CTU in Prague, Conference centre, Husova 240/5, 11000 Prague 1, Czech Republic 10:00-11:00 The NPSS Booklet about Radiation Facts Speaker Patrick Le Dû 11:00 11:30 **Lectures** Session | Location: Institute of Experimental and Applied Physics, CTU in Prague, Conference centre, Husova 240/5, 11000 Prague 1, Czech Republic **Overview of Astroparticle Observations** 11:30-12:30 Speaker Robert Filgas 12:30

Wednesday 9 July

09:00 **Lectures Session** Location: Institute of Experimental and Applied Physics, CTU in Prague, Conference centre, Husova 240/5, 11000 Prague 1, Czech Republic 09:00-10:00 Introduction to Medical Imaging - X-rays, CT, MRI Speaker Andrea Gonzalez-Montoro 10:00 10:00 **Lectures** Session | Location: Institute of Experimental and Applied Physics, CTU in Prague, Conference centre, Husova 240/5, 11000 Prague 1, Czech Republic 10:00-11:00 Proton Therapy Speaker Martin Grossmann 11:00 11:30 **Lectures** Session | Location: Institute of Experimental and Applied Physics, CTU in Prague, Conference centre, Husova 240/5, 11000 Prague 1, Czech Republic **Medical Imaging: PET** 11:30-12:30 Speaker Andrea Gonzalez-Montoro 12:30

Thursday 10 July



Friday 11 July

