

The 5th High Energy Density Science (HEDS'16)



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It is our pleasure to have an opportunity with you in Yokohama to share your latest research results in the fields of high energy density science with high power lasers in 2016.

This is the 5th International Conference on High Energy Density Sciences (HEDS 2016) within the framework of the OPTICS & PHOTONICS International Congress (OPIC 2016), which consists of seven optics-related scientific conferences. The HEDS15 will focus on the plasma photonics and laser plasma acceleration such as following topical fields; 1) Plasma photonics: Ultra-strong fields, Wake field plasma, THz radiation, X-rays, Vacuum polarization; 2) Quantum beam generation: Electron, positron, ion, meson and other exotic particle beams, Laser-based X-ray Free Electron Lasers (XFEL); 3) Imaging Technologies: Ultrafast imaging with novel particle and radiation sources.

In HEDS 2016, we will collaborate with the Conference on Advanced Lasers and Photon Sources (ALPS 2016) and the International Conference on X-ray optics, detectors, sources, and their applications (XOPT 2016) to hold a special joint session on high power lasers including XFEL and their applications.

We hope that you enjoy your time at the conference, and that you will also take this opportunity to explore the rest of Yokohama.