

**Thursday, 20 October 2016, 14:00**

Campus Schenefeld, Main building (XHQ), Room E1.173

### **Dr. Efim Gluskin**

Advanced Photon Source, Argonne National Laboratory

## **LCLS-II hard x-ray vertically polarized undulator with dynamic compensation of magnetic forces**

In the last several years, the APS continued developments of undulators for next generations of storage rings and FEL sources. One of such developments resulted in the novel hybrid-type undulator with dynamic compensation of magnetic forces. This ID became the device of choice for the hard x-ray undulator at the LCLS-II project. The full-scale prototype of this device, designed and built at the APS, has demonstrated remarkable performance, and has met the very stringent physics and technical requirements specified by the LCLS-II. The prototype, the engineering drawings, all construction documentation with detailed results of tests have been transferred to the LBL that will oversee the production of 35 devices.

**Host: Joachim Pflüger**

