Hosted by The X-*lites* Network

Enabling Technologies for X-ray FELs, Attosecond Science & THz Strong-Field Physics

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Join us for an extreme light technology talk & collaborative discussion following the presentation!

X-ray Free-Electron Laser Facilities are combined accelerator and ultrafast laser laboratories, which are in need of many advanced technologies to bring their science capabilities to its full potential. Here we discuss several of these technologies based on ultrafast lasers including large-scale femtosecond timing and synchronization based on low-jitter femtosecond lasers, cryogenic lasers to enable high energy pulsed laser systems at high average power for high repetition rate XFELs, high energy THz pulse generation and multi-pass pulse compression, scalable parametric waveform synthesis and controlled attosecond pulse generation, lightwave electronics and eventually some integrated versions of these technologies.

OCT 4 • 10:00 AM TO 11:30 AM EDT

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