

## **UED Workshop – Welcome and Introduction**

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Responding to the recommendations of DOE BES Future Electron Scattering and diffraction workshop, SLAC has commissioned an Ultrafast Electron Diffraction (UED) R&D platform which provides MeV-, 100-femtosecond-scale electron pulses to support ultrafast science programs. This workshop is aimed at and future users interested in experiments at SLAC's MeV-UED facility. In a series of plenary talks, we will give an introduction into current and future capabilities of the UED facility, and discuss future scientific opportunities. Recent achievements from gas phase, warm dense matter and solid state experiments will also be presented . The plenary session is followed by a number of parallel breakout sessions focusing on future research ideas in AMO science, ultrafast photochemistry, time-dependent phenomena in solid samples, and investigations into warm dense matter. For these breakout sessions, we invite participants to prepare 5-minute-long presentations on their experimental ideas. To present your experimental ideas, email to workshop organizers.