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## The phase reference distribution system for the TESLA technology based projects

*Wednesday 12 October 2005 11:30 (20 minutes)*

The presentation will cover the actual development of the master oscillator (MO) and the frequency distribution system for the UVFEL and the XFEL projects. The MO design issues will be briefly described. The concept of a phase stable signal distribution system based on the RF and fiber-optic solutions will be shown. A long distance signal distribution subsystem with a feedback loop actively stabilizing signal phase will be described. Current distribution system status, performance measurements and plans for future development will be shown.

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