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Condensed-phase chemical dynamics with ultrashort soft- and hard X-rays

Monday, 31 May 2021 09:45 (30 minutes)

In this talk I will try to give a brief overview of recent progress in time-resolved implementation of X-ray spectroscopic and scattering methods at X-ray free electron lasers and synchrotrons. I will focus the applications on condensed-phase chemical systems and timescales spanning from femtoseconds to nanoseconds.

About the speaker:
Wojciech Gawelda is a distinguished "Beatriz Galindo"Professor at the Department of Chemistry, Autónoma University Madrid and Associate Research Professor at IMDEA-Nanoscience, Spain.
He worked previously at the Femtosecond X-ray Experiments Group of the European XFEL (2010-2020), Instituto de Óptica-CSIC Madrid (2007-2010) and Ecole Polytechnique Federal de Lausanne, Switzerland (2002-2007)
Wojciech research focuses on the applications of advanced ultrafast X-ray techniques in combination with ultrafast optical spectroscopies to study photoinduced structural dynamics in molecular systems, mainly solvated transition metal complexes. He has pioneered several important implementations of time-resolved X-ray methodologies at synchrotrons and X-ray free electron lasers worldwide.

Presenter: Dr GAWELDA, Wojciech (Univ. Autonoma Madrid & IMDEA nanoscience)

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