European XFEL Users' Meeting — Satellite meeting

1st meeting of the European XFEL Spanish user community

Thursday 30 January 2020
DESY, Notkestraße 85, 22607 Hamburg

Abstract: This meeting intends to gather for the first time the Spanish community of European XFEL users, current and prospective, to discuss and identify common scientific interests and research lines. The synergy with the existing national user facilities and research centers as well as the development of strategies to facilitate the access to EuXFEL will be discussed

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Thu. 30 January 2020 – DESY, Building 48e EMBL Seminarroom L202			
14:00-14:05	**Welcome**	-	Spanish Government
14:05-14-15	**The Spanish Community at EuXFEL**	Robert Feidenhans'l	European XFEL
	Part I: Proposed experiments at EuXFEL		
14:15-14:40	Simultaneous probing of electronic correlations and structural changes during the ultrafast photodissociation of manganese carbonyl in solution	Luis Bañares	Universidad Complutense Madrid
14:40-15:05	Perspectives for Macromolecular Crystallography at X-ray Free Electron Lasers	Jose Martin-Garcia	Arizona State University
15:05-15:30	Time dependent atomic physics with non-thermal electron population for isochorically heated matter	Pedro Velarde	Universidad Politécnica Madrid
15:30-15:55	Stimulating the signal of Atom Mixing induced by Majorana neutrinos	Alejandro Segarra	Instituto Fisica Corpuscular Uni-Valencia-CSIC
15:55-16:10	Coffee Break		
	Part II: Scientific perspectives		
16:10-16:35	Attosecond core-level spectroscopy - lightwave driven dynamics in condensed phase	Jens Biegert	ICFO - Institute of Photonics Science
16:35-17:00	Attosecond molecular dynamics with XFELs, a theoretical perspective	Fernando Martin	Universidad Autonoma Madrid
17:00-17:25	Artificial Photosynthesis: From solution to surfaces	Rodolfo Miranda	IMDEA Nanoscience Madrid
17:25-17:50	Time-resolved photoemission spectroscopy at FLASH and EuXFEL	Kai Rossnagel	Universität Kiel & FS-SXQM, DESY
17:50-18:00	Short Break		
	Part III: Spanish Photon Science User Facilities		
18:00-18:25	VEGA, the Spanish High Repetition Rate Petawatt System	Luis Roso	Spanish Center for Pulsed Lasers - CLPU
18:25-18:50	The art to understand dynamics	Klaus Attenkofer	ALBA Synchrotron
	Part IV: Discussion		
18:50-19:10	Strategies to develop Spanish EuXFEL		
19:10	**Dinner at DESY Canteen (UM2020 reception)**		