

NCCR MARVEL - Experimental verification workshop 2014
17. October 2014, PSI, WBGB/019
schedule v15.10.2014

		Name,	Institution	Title of presentation
10:00	00:10	Marzari		Short introduction into MARVEL
10:10	00:10	Nolting		Short introduction into PP7
10:20	00:30	MARZARI, Nicola	EPFL	Novel Materials Applications
10:50	00:30	SPALDIN, Nicola	ETH Zurich	Novel Materials Physics
11:20	00:30	FIEBIG, Manfred	ETH Zürich	Multifunctional materials and their characterization
11:50	01:10	lunch break		In the SLS together with poster session
13:00	00:05	STAUB, Urs	PSI	Investigations of ultrafast modifications of electronic and crystal structure to test predictions of transient states
13:05	00:05	DIL, Hugo	EPFL	Materials with interacting and controllable spins
13:10	00:05	YAZYEV, Oleg	EPFL	Search for novel topological materials
13:15	00:05	PARK, Jihwey	PSI	DFT calculation on Fe3Sn2
13:20	00:05	STROCOV, Vladimir	PSI	Material physics by soft-X-ray ARPES
13:25	00:05	VAZ, Carlos	PSI	Electric field control of the correlated state via strain- and charge-mediated couplings
13:30	00:05	LIPPERT, Thomas	PSI	Proton conduction in strained lattices
13:35	00:05	NIEDERMAYER, Christof	PSI	Strain induced ferromagnetism in multiferroic REMnO3 thin films
13:40	00:05	SCHMITT, Thorsten	PSI	RIXS on thin films and oxide heterostructures for Mottronics and Orbitronics applications
13:45	00:05	HU, Xile,	EPFL	2D nanosheet oxygen evolution catalysts: electronic structure and active site determination by computations and experiments
13:50	00:05	KOVALENKO , Maksym	EMPA	Chemically Engineered Nanocrystal Solids
13:55	00:05	LUBER, Sandra	U Zurich	Ab initio investigation of water splitting catalysts and spectroscopic approaches
14:00	00:15	short break		
14:15	00:05	CANCELLIERI, Claudia	EMPA	In-situ structural and electrochemical characterization of phase transformations at oxide/liquid interfaces
14:20	00:05	RANOCCHIARI, Marco	PSI	Using computational chemistry to predict the performance of reactions catalyzed by metal-organic frameworks
14:25	00:05	BATTAGLIA, Corsin	EMPA	Designing co-catalyst oxide interaction for photocatalysis
14:30	00:05	LIPPERT, Thomas	PSI	Oxynitrides for photocatalytic water splitting
14:35	00:05	SMOLENTSEV, Grigory	PSI	Time-resolved X-ray absorption to validate mechanisms of reactions of solar energy conversion
14:40	00:05	MANSSON, Martin	EPFL	Towards ab initio Materials Design for Sodium-based Energy Storage
14:45	00:05	MEDARDE, Marisa	PSI	The metal-insulator transition in RNiO3 perovskites: Mott physics and electron phonon interactions by approaching the itinerant limit
14:50	00:05	RÜEGG, Christian	PSI	Controlling Mott-Insulator Transitions and Spin-Orbit Coupling in Solids
14:55	00:05	RADOVIC, Milan	PSI	Spectroscopy Views of Electronic Structure at Surface and Interface
15:00	00:05	FENNELL, Tom	PSI	Magnetoelastic effects in Tb2Ti2O7 and Tb3Ga5O12
15:05	00:05	GOEDECKER, Stefan	U Basel	Two-dimensional boron structures
15:10	00:05	RUFFIEUX, Pascal	EMPA	Bottom-up fabrication of carbon heterostructures
15:15	00:05	JUNG, Thomas	PSI	Structure and Properties at Surfaces and Interfaces: -- Model Cases and Challenges for Collaborations between Theory and Experiment
15:20	01:00	coffee break		In the SLS together with poster session
16:20	00:20	RUFFIEUX, Pascal	Empa	Synthesis and Characterization of Graphene Nanoribbons: Combined Experimental and Modeling Efforts
16:40	00:20	SCARAMUCCI, Andrea	PSI	A theory/experiment collaboration: structure and magnetic order in YBaFeCuO5
17:00	00:05	Nolting et al		Closing remarks
17:05		end		