

Program of the 14th mol(CH)surf discussion meeting

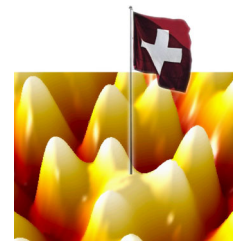
Friday, June 21, 2019

University of Bern, Dept. Chemistry and Biochemistry, Freiestrasse 3, Room EG16



08:45 – 09:15	Registration	
09:15 – 09:20	Welcome	Roman Fasel
	Keynote	Chair: Silvio Decurtins
09:20 – 10:05	Molecules on h-BN: Interface Characterization and On-Surface Reactions	Willi Auwärter, TUM
	Recent developments I	Chair: Wolf-Dieter Schneider
10:05 – 10:30	Single molecule fluorescence induced by STM: Toward an hyper-resolved fluorescence microscopy	Benjamin Doppagne, IPCMS
<i>Coffee break</i>		
	Recent developments II	Chair: Pascal Ruffieux
11:00 – 11:20	Graphene nanoribbons for nanoelectronics: from UHV to device integration	Gabriela Borin Barin, Empa
11:20 – 11:40	Molecular structure elucidation with charge-state control	Shadi Fatayer, IBM
11:40 – 12:00	Single molecule nanotribology: understanding friction and adhesion at a single molecule level	Guilherme Vilhena, UBAS
<i>Lunch at Restaurant Beaulieu</i>		
	Theory focus	Chair: Ari Seitsonen
14:00 – 14:25	Structure and reactivity of perovskite oxynitride surfaces	Ulrich Aschauer, UniBE
14:25 – 14:45	Establishing reference adsorption energies in low dimensional materials using computational methods	Yasmine Al-Hamdani, UZH
	Brief reports	Chair: Matthias Hengsberger
14:45 – 15:05	The role of spin-phonon coupling for single-atom magnets on MgO	Sebastian Stepanow, ETHZ
15:05 – 15:25	Chirality transfer in a non-covalent molecular network	Jan Voigt, Empa
15:25 – 15:45	Thermally induced hydrogenation of buckybowls: from curved to planar aromatic hydrocarbons	Christian Wäckerlin, CAS Prague / Empa
<i>Coffee break</i>		
	Reports from PEARL	Chair: Thilo Glatzel
16:05 – 16:25	STM study of azafullerene Tb ₂ @C ₇₉ N adsorption	Nicholas Bachellier, PSI
16:25 – 16:45	Surface relaxation switching in ferroelectric GeTe under applied electric field	Matthias Muntwiler, PSI
16:45	Closing remarks	Thomas Greber

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List of registered participants

Albrecht	Florian	IBM	FAL@zurich.ibm.com
Al-Hamdani	Yasmine	UZH	yasmine.al-hamdani@chem.uzh.ch
Ahsan	Aisha	UBAS	aisha.ahsan@unibas.ch
Aschauer	Ulrich	UBE	ulrich.aschauer@dcb.unibe.ch
Auwärter	Willi	TUM	wau@tum.de
Bachellier	Nicolas	PSI	nicolas.bachellier@psi.ch
Baljozovic	Milos	Empa	milos.baljozovic@empa.ch
Ballay	Nirmalya	PSI	nirmalya.ballay@psi.ch
Beckord	Jan	UZH	jan.beckord@physik.uzh.ch
Borin Barin	Gabriela	Empa	gabriela.borin-barin@empa.ch
Castiglioni	Luca	UZH	luca.castiglioni@physik.uzh.ch
Cebrat	Aleksandra	Empa	aleksandra.cebrat@empa.ch
Darawish	Rimah	Empa	rimah.darawish@empa.ch
D'Astolfo	Philipp	UBAS	p.dastolfo@unibas.ch
Decurtins	Silvio	UBE	decurtins@dcb.unibe.ch
Doppagne	Benjamin	IPCMS	benjamin.doppagne@ipcms.unistra.fr
Drechsel	Carl	UBAS	c.drechsel@unibas.ch
Fasel	Roman	Empa	roman.fasel@empa.ch
Fatayer	Shadi	IBM	sfa@zurich.ibm.com
Glatzel	Thilo	UBAS	thilo.glatzel@unibas.ch
Grad	Lisa	UZH	lisagrad@physik.uzh.ch
Greber	Thomas	UZH	greber@physik.uzh.ch
Hengsberger	Matthias	UZH	matthias.hengsberger@physik.uzh.ch
Huang	Wei	ETHZ	wei.huang@mat.ethz.ch
Iannuzzi	Marcella	UZH	marcella.iannuzzi@chem.uzh.ch
Irziqat	Bahaaeddin	Empa	bahaaeddin.irziqat@empa.ch
Jung	Thomas	PSI	thomas.jung@psi.ch
Kaiser	Katharina	IBM	kak@zurich.ibm.com
Kinikar	Amogh	Empa	amogh.kinikar@empa.ch
Kovacic	Stepan	ETHZ	stepan.kovarik@mat.ethz.ch
Liu	Zhao	UBAS	zhao.liu@unibas.ch
Liu	Shi-Xia	UBE	liu@dcb.unibe.ch
Meyer	Ernst	UBAS	ernst.meyer@unibas.ch
Muntwiler	Matthias	PSI	matthias.muntwiler@psi.ch
Pawlak	Remy	UBAS	remy.pawlak@unibas.ch
Pignedoli	Carlo Antonio	Empa	carlo.pignedoli@empa.ch
Pivetta	Marina	EPFL	marina.pivetta@epfl.ch
Rejaul	Sk	UBAS	Sk.rejaul@unibas.ch
Reynaud	Sebastien	EPFL	sebastien.reynaud@epfl.ch
Romankov	Vladyslav	PSI	vladyslav.romankov@psi.ch
Ruffieux	Pascal	Empa	pascal.ruffieux@empa.ch
Scherb	Sebastian	UBAS	sebastian.scherb@unibas.ch
Scheurer	Fabrice	IPCMS	fabrice.scheurer@ipcms.unistra.fr
Schneider	Wolf Dieter	EPFL	wolf-dieter.schneider@epfl.ch
Schulz	Fabian	IBM	baf@zurich.ibm.com
Seifert	Tom Sebastian	ETHZ	seifertt@ethz.ch
Seitsonen	Ari	ENS	ari.p.seitsonen@iki.fi
Srivastava	Gitika	Empa	gitika.Srivastava@empa.ch
Stepanow	Sebastian	ETHZ	sebastian.stepanow@mat.ethz.ch

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Vilhena	Guilherme	UBAS	guilhermevilhena@gmail.com
Voigt	Jan	Empa	jan.voigt@empa.ch
Wäckerlin	Christian	Empa	christian.waeckerlin@empa.ch
Zhou	Ping	UBE	ping.zhou@dcb.unibe.ch