

PROGRAM of 1st Int:FunMAX 2020 online-workshop, August 10-12, 2020

(Titles of presentations on following pages and ZOOM link)

TIMEZONES

MST	EST	CET	KRAT	Monday	Tuesday	Wednesday
23:00	2:00	8:00	13:00	Opening /ZOOM Test	Opening / ZOOM Test	Opening / ZOOM Test
23:15	2:15	8:15	13:15	Wiedwald, Ulf	Birkel, Christina	Pazniak, Hanna
23:30	2:30	8:30	13:30			
23:45	2:45	8:45	13:45			
0:00	3:00	9:00	14:00	Break	Break	Break
0:15	3:15	9:15	14:15	Bürgler, Daniel	Baron, Philipp	Dahlquist, Martin
0:30	3:30	9:30	14:30		Lyons, Jack	
0:45	3:45	9:45	14:45		Break	
1:00	4:00	10:00	15:00	Ovchinnikov, Sergey	Feggeler, Thomas	Break
1:15	4:15	10:15	15:15			Zhang, Hongbin
1:30	4:30	10:30	15:30			
1:45	4:45	10:45	15:45	Break	Break	Molokeev, Maxim
2:00	5:00	11:00	16:00	Stevens, Marc	Lyashchenko, Sergey	
2:15	5:15	11:15	16:15			
2:30	5:30	11:30	16:30			Sobolev, Kirill
2:45	5:45	11:45	16:45	Nazarova, Zoya	Maximova, Olga	
3:00	6:00	12:00	17:00	Break	Break	Break
3:15	6:15	12:15	17:15	Tutorial 1: Semisalova, Anna	Tarasov, Anton	Discussion: perspectives and challenges of Functional MAX materials (moderator M. Farle)
3:30	6:30	12:30	17:30			
3:45	6:45	12:45	17:45			Break
4:00	7:00	13:00	18:00	Break	Tarasov, Ivan	T3 Farle, Michael: Scientific Writing and Publishing and Presenting
4:15	7:15	13:15	18:15	Tutorial 2: Bürgler, Daniel		
4:30	7:30	13:30	18:30			
4:45	7:45	13:45	18:45		Lukyanenko, Anna	
5:00	8:00	14:00	19:00	Small Group discussions ("Breakout") session	Tarasov, Ivan	
5:15	8:15	14:15	19:15		Break	
5:30	8:30	14:30	19:30		Barsoum, Michel	Shuck, Christopher
5:45	8:45	14:45	19:45			
6:00	9:00	15:00	20:00			
6:15	9:15	15:15	20:15			
6:30	9:30	15:30	20:30			
6:45	9:45	15:45	20:45			
7:00	10:00	16:00	21:00	End of Day's program	End of Day's program	

KRAT = https://www.zeitzonen.de/krasnojarsker_zeit.html (Krasnoyarsk Time)

CET = <https://www.zeitzonen.de/tztimezones/detail/id/17> (Central European Timezone)

EST = https://www.zeitzonen.de/eastern_standard_time_est_-_usa.html

MST = https://24timezones.com/usa_time/az_maricopa/tempe.php#gref (Mountain Standard Time)

ZOOM Meeting-URL: <https://uni-due.zoom.us/j/94539979753?pwd=MzZpZEhXU0F0bWxKUG1tWHl0NGNmUT09>
Meeting-ID: 945 3997 9753
Password: 023614

Tutorial talks

Daniel E. Bürgler	Peter Grunberg Institute (PGI-6), Germany	<i>Spin-Polarized Scanning Tunneling Microscopy and Spectroscopy of Single Hybrid Molecular Magnets</i>
Michael Farle	University of Duisburg-Essen, Germany	<i>Scientific Writing and Publishing and Presenting</i>
Anna Semisalova	University of Duisburg-Essen, Germany	<i>Ferromagnetic Resonance: Theory and Applications for thin magnetic films</i>

Invited talks

Michel W. Barsoum	Drexel University, USA	<i>On Rippllocations and MAX Deformation</i>
Christina S. Birkel	Arizona State University, USA Technical University of Darmstadt, Germany	<i>Creative synthesis techniques to access "old and new" MAX phases</i>
Daniel E. Bürgler	Peter Grunberg Institute (PGI-6), Germany	<i>Anisotropic conductivity in thin films of MAX phase $(Mn_{0.5}Cr_{0.5})_2GaC$ and crystallites of i-MAX phase $(Cr_{2/3}Ho_{1/3})_2AlC$</i>
Martin Dahlquist	Linköping University, Sweden	<i>Prediction of order and disorder in MAX phases</i>
Thomas Feggeler	University of Duisburg-Essen, Germany	<i>Element-specific and spatially-resolved detection of the magnetization and its dynamics by X-ray Magnetic Circular Dichroism (XMCD)</i>
Sergey Lyashchenko	Kirensky Institute of Physics, Russia	<i>Magneto-ellipsometry investigations of epitaxial film of Mn_2GaC at different temperatures.</i>
Maxim Molochev	Kirensky Institute of Physics, Russia	<i>A variety of ways to determine doping concentration by X-ray diffraction</i>
Sergey Ovchinnikov	Kirensky Institute of Physics, Russia	<i>Temperature and concentration dependence of the magnetic short range order and electronic pseudogap in 2D Hubbard model</i>
Hanna Pazniak	University of Poitiers, France	<i>Ion Implantation: A New Approach for Structural Modification of Two-Dimension MXenes</i>

Anton Tarasov	Kirensky Institute of Physics, Russia	<i>MMM laboratory equipment, techniques and methods</i>
Ivan Tarasov	Kirensky Institute of Physics, Russia	<i>Growth of α-FeSi₂ nanocrystals on silicon surface: the impact of gold and the Si/Fe flux ratio, the origin and the prediction of α/Si orientation relationships and interface structures</i>
Christopher E. Shuck	Drexel University, USA	<i>MAX Phases as Precursors to New MXenes</i>
Ulf Wiedwald	University of Duisburg-Essen, Germany	<i>MAX Phase Nanolaminates: Structure, Transport and Magnetism</i>
Hongbin Zhang	Technical University Darmstadt, Germany	<i>High-throughput design of magnetic MAX and MAB phases</i>

Contributed talks

Filipp Baron	Kirensky Institute of Physics, Russia	<i>Effect of the forming gas ALD chamber pretreatment on the physical properties of TiN_(1-x)O_(x) films</i>
Anna Lukyanenko	Kirensky Institute of Physics, Russia	<i>Methods of forming sub- and nanoscale patterns on magnetic thin films</i>
Jack Lyons	Imperial college London, United Kingdom	<i>Role of intermediate intermetallics in the formation of MAX phases</i>
Olga Maximova	Kirensky Institute of Physics, Russia	<i>How to obtain the dielectric tensor from spectral magneto-optical ellipsometry measurements data</i>
Zoya Nazarova	Kirensky Institute of Physics, Russia	<i>Prediction of formation of competing phases during the growth of (Mn_{1-x}Cr_x)₂GaC thin films on MgO(111) with the use of effective heat of formation model and near coincidence site lattice approaches</i>
Kirill Sobolev	Immanuel Kant Baltic Federal University, Russia	<i>Synthesis and characterization of (Cr_{1-x}Mnx)₂AlC MAX-phases with the enhanced manganese doping level</i>
Marc Stevens	University of Duisburg-Essen, Germany	<i>Epitaxial growth of Cr₂AlC MAX phase thin films by pulsed laser deposition</i>
Ivan Tarasov	Kirensky Institute of Physics, Russia	<i>Modification of optical and magneto-optical response of highly textured Au₃Fe_{1-x}/Fe Janus-like nanocrystals grown on amorphous silicon dioxide surface</i>