

MAT science Week

Tuesday 24 April 2018

Mat Science Week: Session 1 - KBW lecture hall (10:30-12:30)

time	[id] title	presenter
10:30	[55] Welcome	
10:50	[45] Polymer membranes analyzed by Elastic Recoil Detection and Positron Annihilation Lifetime Spectroscopy	Prof. DOLLINGER, Günther
11:10	[47] Plasmonic nanostructures prepared by ion track technology and electrodeposition	Dr SCHUBERT, Ina
11:30	[40] Ion track-based nanostructures for tuning plasmonic and electrical properties	Prof. LIU, Jie Dr DUAN, Jinglai
11:50	[8] Analysis of the Electric-Double-Layer formation by in-situ Rutherford Backscattering Spectrometry	Ms BAGHBAN KHOJASTEH, Nasrin
12:10	[21] Single-ion-induced surface modifications on H/Si(001) - significant difference between slow highly charged and swift heavy ions	DÜRR, Michael

Mat Science Week: Session 2 - KBW lecture hall (14:00-15:20)

time	[id] title	presenter
14:00	[36] Development of an efficient high-current ion source for Accelerator Mass Spectrometry	Prof. HOFSSÄSS, Hans
14:20	[20] Detecting Beryllium-10 from exotic decays by Accelerator Mass Spectrometry (AMS)	Dr FORSTNER, Oliver
14:40	[43] Beryllium-7 at DREsden Accelerator Mass Spectrometry	Dr RUGEL, Georg
15:00	[50] Production and Characterization of the ^{163}Ho Source for the ECHo Project	Prof. WENDT, Klaus

Mat Science Week: Session 3 - KBW lecture hall (17:00-18:40)

time	[id] title	presenter
17:00	[39] Particle Ejection from an Energized Track: Comparison with the Nuclear Sputtering Process	Prof. WUCHER, Andreas
17:20	[60] Investigations and modifications of selected thin films by 1-2 MeV rare-gas ion beams	Prof. KIM-NGAN, N.-T.H.
17:40	[62] An energy and mass selective hyperthermal ion beam for ion-assisted thin film deposition purposes	Dr GERLACH, Jürgen W.
18:00	[23] Layer stability and interface properties of single- and bi-layer magnetite films grown on MgO(001) substrates	Ms KRUPSKA, Magdalena
18:20	[26] Applying an Evolutionary Algorithm for Automated Ion Beam Analysis Data Evaluation	Dr HELLER, René

Wednesday 25 April 2018

Mat Science Week: Session 4 - KBW lecture hall (08:45-10:25)

time	[id] title	presenter
08:45	[5] Optical metasurfaces created by ion irradiation of phase transition materials	Mr RENSBERG, Jura
09:05	[46] Secondary Ion and Neutral Mass Spectrometry with Swift Heavy Ions and Highly Charged Ions	Dr BREUER, Lars
09:25	[41] Abnormal lattice location and electrical activation in chalcogen-hyperdoped Si	Ms WANG, Mao
09:45	[10] Change of Ar diffusion coefficient in glass by heavy ion irradiation	Prof. WANG, Tieshan
10:05	[3] (Bio)molecular detection with track-etched single synthetic ion channel	Dr ALI, Mubarak

Mat Science Week: Session 5 - KBW lecture hall (11:00-12:20)

time	[id] title	presenter
11:00	[35] Development of In-situ X-Ray Diffraction Measurements during Low Energy Ion Beam Etching	Dr MANOVA, Darina
11:20	[32] Simulation of Ion Beam induced Surface Dynamics	Mr STEGMAIER, Alrik
11:40	[13] Counterintuitive temperature dependence of ion beam shaping of Si nanopillars	HEINIG, Karl-Heinz
12:00	[30] Application of ion beams to fabricate and tune ferromagnetic semiconductors	Dr ZHOU, Shengqiang