|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Speaker** | **Topic** | **Misc.** |
| 05.12.2018 | Radek Kalousek | Classical theory of elasticity: A useful tool also in nanotechnology | Regular |
| Lukáš Kejík | Fabrication of large scale gold monocrystals | Journal Club |
| 28.11.2018 | Meena Dankhar |  | Regular |
| 21.11.2018 | Fausto Sirotti | Time resolved electron spectroscopy approach to describe fast magnetization dynamics | Invited |
| 14.11.2018 | Veronika Hegrová | Erasmus report | Regular |
| Irena Majerová | Erasmus report | Regular |
| 7.11.2018 | Michal Horák | Plasmon resonances in Magnesium nanoparticles | Journal club |
| Ondřej Brunn | Artificial magnetic frustrated systems | Erasmus report |
| 31.10.2018 | Jiří Babocký | Quantitative phase imaging of plasmonic metasurfaces with sensitivity down to single nanoantenna | Regular |
| 24.10.2018 | Petr Dvořák | Near-field digital holography: a tool for plasmon phase imaging | Regular |
| 17.10.2018 | Jaroslav Maniš | Guided growth of horizontal GaN nanowires | Regular |
| 10.10.2018 | Radek Dao  Ondřej Novotný | Conductive atomic force microscopy in tapping mode  Implementation and testing of the mechanical excitation in SPM | Regular |
| 13.6.2018 | Jiří Babocký |  | Journal club |
| Miroslav Bartošík | Charge transport at SiO2/graphene interface | Regular |
| 6.6.2018 | Jakub Zlámal | Correction of spherical and chromatic aberration in SEM | Regular |
| 30.5.2018 | Zaoli Zhang | Revealing the structure and property of materials via atomic-resolution study | Invited |
| 23.5.2018 | Petr Dvořák | Phase imaging of surface plasmon polaritons using spatial light modulator | Regular |
| 16.5.2018 | Filip Ligmajer | Vanadium dioxide for tunable plasmonic metasurfaces | Regular |
| 9.5.2018 | Martin Konečný | Fabrication and Application of Graphene-Metal Hybrid Structures in Biosensing by Surface-Enhanced Raman Spectroscopy | Regular |
| 2.5.2018 | Wolfgang Wallisch | Detecting electron energy losses by measuring colossal magnetoresistance (CMR) effect | Invited |
| 23.4.2018 | Reshef Tenne | Inorganic nanotubes and fullerene-like nanoparticles at the crossroad between materials science and nanotechnology and their applications | Invited |
| 18.4.2018 | Tomáš Pejchal | Band gap measurement in TEM | Journal club |
| Vlastimil Křápek | Mapping of localized plasmons in metallic particles with electron energy loss spectroscopy and cathodoluminescence | Regular |
| 11.4.2018 | Ewelina Mackiewicz | Synthesis and study on silver nanowires modified with tin oxides | Invited |
| 3.4.2018 | Stéphane Mangin | Magnetisation manipulation with light and electrons femto- second pulses (at CEITEC S2.02) | Invited |
| 28.3.2018 | Lukáš Kormoš | Precise engineering of quantum dot array coupling through their barrier widths | Journal club |
| Tomáš Šamořil | FIB-SEM system with compact TOF-SIMS | Regular |
| 21.3.2018 | Filip Ligmajer | New regulations for publications at BUT | Journal club |
| Josef Polčák | Silicon dioxide etching by silicon deposition | Regular |
| 14.3.2018 | Karel Výborný | On certain linear-response quantities in antiferromagnets | Invited |
| 7.3.2018 | Michal Staňo | Spin-polarized scanning electron microscopy | Regular |
| 28.2.2018 | Martin Konečný | Large-scale quantum emitter arrays in atomically thin semiconductors | Journal club |
| Jon Ander Arregi | Magneto-optical Kerr effect investigation of spatially confined FeRh | Regular |
| 21.2.2018 | Lukáš Flajšman | Probing surface crystallography by SEM in low electron energy regime | Journal club |
| Vojtěch Švarc | Water meniscus detection by nanoconstriction | Regular |
| 14.2.2018 | Vlastimil Křápek | Babinet's principle in plasmonics | Regular |
| 7.2.2018 | Jon Arregi | Spin transfer torque devices utilizing the giant spin Hall effect of tungsten | Journal club |
| Zoltán Édes | Photoluminescence enhancement of Si quantum dots by coupling with metallic nanoparticles | Regular |
| 31.1.2018 | Miroslav Bartošík | Biosensing near the CNP of graphene | Journal club |
| Miroslav Kolíbal | WOx inclusions in WS2 nanotubes by electron-beam-induced oxidation | Regular |
| 24.1.2018 | Tomáš Šamořil | Atomically flat single-crystalline gold nanostructures for plasmonic nanocircuitry | Journal club |
| Pavel Procházka | Phase transition of BDA molecules on Ag(100) | Regular |
| 17.1.2018 | Josef Polčák | Thermal behaviour of metal layers sandwiched by silicon dioxide layers | Journal club |
| Martin Hrtoň | Phase measurement by a-SNOM | Regular |
| 10.1.2018 | Jindřich Mach | Growth and Characterization of GaN Nanostructures toward Electron Field Emitter Application | Journal club |
| Michal Kvapil | "Plasmonic skin" | Regular |