

HEiKA Day 2019

Thursday, 18. July 2019, 12:00 – 21:00 h

Marsilius Arkaden, Im Neuenheimer Feld 130.1, 69120 Heidelberg

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| 12:00 h | „Meet & Greet“ (networking and snack) |
| 13:00 – 13:10 | Welcome & short introduction (R.Hillerbrand) |
| 13:10 - 13:55 | Presentations of HEiKA projects funded in 2019 (Part 1) |
| 13:10 – 13:35 | Short introduction Research Bridge Particle Physics, Astroparticle Physics & Cosmology - PAC (5 min; S.Hansmann-Menzemer) (PAC) Björn Schäfer: “What if the Milky Way was a quantum-mechanical object?” (10 min) (PAC) Ulrich Glasmacher / Klaus Eitel: “Searching for Dark Matter particle signatures with salt minerals as Palaeo-Detectors” (10 min) |
| 13:35 – 13:55 | Short introduction Research Bridge HEiKAexplore (5 min; R.Zohlhörer) HEiKAexplore topic 2019/20 Sascha Ott / Christian Vater „Autonome Systeme im Spannungsfeld von Recht, Ethik, Technik und Kultur“ (15 min) |
| 13:55 - 14:20 | Short Break & Poster HEiKA Projects 2018 & FunTECH-3D (first overview) |
| 14:20 – 15:20 | Functional Materials |
| | Presentations of HEiKA projects funded in 2019 (Part 2) |
| 14:20 – 14:25 | Short introduction Research Bridge Functional Materials - FM (5 min; M.Mastalerz) (FM) Yana Vaynzof: “Towards High Yield PERovskite solar cells by inkjet printing <HYPER>” (10 min) |
| 14:35 – 14:45 | HEiKA-Centre for Material Research FunTECH-3D¹ (U.Lemmer) |
| 14:45 – 14:50 | Cluster of Excellence 3DMM2O² (J. Wittbrodt) |
| 14:50 – 15:20 | Lecture Series 3DMM2O; Venera Weinhardt: “Correlated light and soft x-ray microscopy of single cells” |
| 15:20 – 16:20 | Coffee Break & Poster HEiKA Projects 2018 & FunTECH-3D |
| 16:20 – 17:25 | Presentations of HEiKA projects funded in 2019 (Part 3) |
| 16:20 – 16:45 | Short introduction Research Bridge Advanced Imaging Platform - AIP (5 min; R.Schröder) (AIP/SB) Marc Pretze: “Modular shining architectures for cellular imaging” (10 min) (AIP) Frank Biedermann – “In vitro and in vivo Monitoring of Dopamine Levels in Neural Tissues using Novel Zeolite-based Chemosensors” (10 min) |
| 16:45 – 17:10 | Short introduction Research Bridge Synthetic Biology - SB (5 min; S.Bräse / J.Wittbrodt) (SB) Steffen Lemke / Anke Deckers “Modulation of epithelial-to-mesenchymal transition (EMT) with small molecules” (10 min) (SB) Ute Schepers: “3D bioprinting of a blood-retina-barrier to elucidate the role of mesenchymal stromal/stem cells as potential therapy in diabetic retinopathy (3D-BRB)” (10 min) |
| 17:10 – 17:25 | Short introduction Research Bridge Medical Technology for Health - MTH (5 min; O.Dössel) (MTH) Patrick Doll: „3D gedruckte Nano-Zellgerüstträger für die in situ Knorpelregeneration zur Behandlung von Gelenkknorpelschäden. Untersuchungen zum Zellrecruitment in einem Bioreaktor“ (10 min) |
| 17:30 – 18:00 | HEiKA – Meeting of Members (R.Hillerbrand, R. Kleber) |
| 18:00 – 21:00 | HEiKA Summer Party ☺ |

¹ Functional Materials and Technologies for 3D-Structures and Systems

² 3D Matter Made to Order