

MIAP Huygens Workshop

The MIAP Huygens Workshop is a two-day Workshop. The Focus of the Workshop will be Restoration, Visualization, and Analysis of Images from Fluorescence Microscopes such as Widefield, Confocal, Spinning-Disk, Multiphoton, STED, STED 3D, Light-Sheet, Airyscan.

Functionalities such as Batch processing and Express tools, will be accelerated with CPU and (muti-)GPU support.

November 26th – 27th 2019

Albert-Ludwigs University Freiburg

Center for Biological Systems Analysis (ZBSA), Life Imaging Center (LIC)

Habsburgerstr. 49, 79104 Freiburg im Breisgau

Organization: Microscopy and Image Analysis Platform (MIAP), University of Freiburg

Teachers: Frans van der Have (Scientific Volume Imaging)

Kiefer van Teutem (Scientific Volume Imaging)

| Day 1: November 26th, 09:00 – 17:30 | |
|-------------------------------------------------------|----------------------------------------------------------------------------|
| 09:00 – 10:30 | Slot 1: Welcome and General Introduction to Microscopy |
| 10:30 – 10:45 | Coffee Break |
| 10:45 – 11:30 | Slot 2: Deconvolution Wizard and Batch Processing |
| 11:30 - 12:00 | Slot 3: Converting and Rescaling of Image Data |
| 12:00 – 13:00 | LUNCH BREAK |
| 13:00 – 13:45 | Slot 4: Visualization |
| 13:45 – 14:30 | Slot 5: How to best deconvolve Data |
| 14:30 – 15:00 | Slot 6: Reliable Quantification of Image Data |
| 15:00 – 15:30 | Slot 7: How to deal with Image Distortions and Acquisition Pitfalls |
| 15:30 – 15:45 | Coffee Break |
| 15:45 – 16:15 | Slot 8: Chromatic Aberration Corrector |
| 16:15 – 17:00 | Slot 9: Object Stabilizer |
| 17:00 – 17:30 | Slot 10: Tile stitching |

| Day 2: November 27th, 09:00 – 16:45 | |
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| 09:00 – 10:00 | Slot 11: STED & Airyscan processing |
| 10:00 – 10:15 | Coffee Break |
| 10:15 – 11:15 | Slot 12: Light Sheet Deconvolution & Fusion |
| 11:15 – 12:15 | Slot 13: Analysis of Single Molecule Localization Microscopy Data |
| 12:15 – 13:15 | LUNCH BREAK |
| 13:15 – 14:00 | Slot 14: Colocalization Analyzer |
| 14:00 – 14:45 | Slot 15: Object Analyzer |
| 14:45 – 15:00 | Coffee Break |
| 15:00 – 16:45 | Working with your own Data or Demo Images |

- For more information, please contact MIAP: <https://miap.eu> info@miap.eu

