ACTIVE
aachen center for biomedical image analysis, visualization, and exploration

3rd workshop of the Aachen CenTer for biomedical Image analysis, Visualization and Exploration

ACTIVE provides algorithmic and software support for the analysis and exploration of complex image data in the natural and life sciences. The center develops methods for automated processing of image and video data, pattern recognition, tissue classification, registration, object segmentation and tracking, as well as for data analysis and visualization.

The aim of this year's workshop is to present a selection of ongoing and completed projects at ACTIVE. In addition, it will serve as a platform for experts in the fields of biology, medicine and computer science/engineering to discuss potential future collaborations.

There is no registration fee. However, we kindly ask you to write us an email if you wish to attend.

contact: active@lfb.rwth-aachen.de
website: http://www.lfb.rwth-aachen.de/research/biological/active/

Tuesday, December 4, 2018, 16.00-17.45+, ICT Cubes, Kopernikusstraße 16, Aachen, room 002

Schedule:

-- 16:00: Reception with coffee & cookies --

16.10-16.25: Dorit Merhof, head of ACTIVE, Imaging and Computer Vision, RWTH Aachen University:
"State of ACTIVE: Overview of image analysis projects in 2017 and 2018."

16.25-16.45: Martin Strauch, Imaging and Computer Vision, RWTH Aachen University:
"Measuring the larval brain of Drosophila melanogaster*: From aligning stained neurons with an average brain to visualizing reconstructed neural circuits."*

16.45-17.05: Reinhard Windoffer, Molecular and Cellular Anatomy, University Hospital Aachen:
„Tracking and motion analysis of keratin intermediate filaments in living cells."

17.05-17.25: Johannes Stegmaier, Biomedical Image Processing, RWTH Aachen University:
"Automatic Segmentation in Large-Scale 3D Fluorescence Microscopy Images."

17.25-17.45: Peter Boor, Institute of Pathology, Nephrology, University Hospital Aachen:
"Kidney research in pictures."

-- 17.45: Discussion & drinks ***(you may bring your image data to look at!)*** *--*