

# The Programme

**24<sup>th</sup> - 26<sup>th</sup> October 2012**  
**Mondorf les Bains - Luxembourg**

**Day 1: Special topic: Evolution of ImageJ, 24<sup>th</sup> October 2012** Besides the presentations and a workshop, the scientific posters and the expo are accessible all day.

**Room A**

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|-------------------|--|
| <b>13:30</b>      | <b>Registration</b>  |
|                   | <p><b>Andreas Jahnen:</b><br/>Welcome and opening of the conference</p> <p><b>Curtis Ruden:</b><br/>ImageJ2: Current Status and Future Directions (30 min)</p>   |
| <b>14:00</b><br>- | <b>Johannes Schindelin:</b><br>The Road to Fiji2 (30 min)  |
| <b>16:00</b>      | <p><b>Thomas Boudier &amp; Dimiter Prodanov:</b><br/>Representations for multidimensional data and algorithmic interoperability with ImageJ (30 min)</p> <p><b>Stephan Saalfeld:</b><br/>ImgLib2 - Generic Image Processing in Java (30 min)</p> |
| <b>16:00</b>      | <b>Break</b>   |
| <b>16:30</b><br>- | <b>Stephan Preibisch:</b><br>Introduction to ImgLib2 (90 min)  |
| <b>18:00</b>      | <b>Thematic Sessions; Closing of first day</b>   |
| <b>19:30</b>      | <b>Regulars table</b>  |

**Day 2: Workshops, 25<sup>th</sup> October 2012** Besides the workshops, the scientific posters and the expo are accessible all day.

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|------------------|---|--|
| <b>8:00</b>      | <b>Registration</b>                                       |  |
|                  | <b>Track 1 - Room A</b>                                   | <b>Track 2 - Room B</b>  |
| <b>8:30</b><br>- | <b>Wayne Rasband:</b><br>Introduction to ImageJ (120 min) | <b>Johannes Schindelin:</b><br>ImageJ2 scripting & plugin workshop (120 min) |
| <b>10:30</b>     |   |  |

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| <b>10:30</b>                      | <b>Break</b>   |  |
| <b>11:00</b><br>-<br><b>13:00</b> | <b>Daniel Sage:</b><br>From Image-Processing Algorithms to ImageJ Plugins: A Student- Friendly Framework (120 min) | <b>Tobias Pietzsch:</b><br>Advanced Programming with ImgLib2 (120 min)   |
| <b>13:00</b>                      | <b>Lunch and time to visit the exposition and the scientific posters</b>   |  |
| <b>14:30</b><br>-<br><b>16:00</b> | <b>Grant Harris:</b><br>Instrument Control and Image Acquisition Using Micromanager (90 min)                       | <b>Marcel Austenfeld:</b><br>An introduction to scientific image data analysis using R (90 min)                        |
| <b>16:00</b>                      | <b>Break</b>   |  |
| <b>16:30</b><br>-<br><b>18:00</b> | <b>G. Esteban Fernandez:</b><br>Morphometry of light microscopy images with ImageJ (90 min)                        | <b>Martin Horn &amp; Christian Dietz:</b><br>Integrating ImageJ into KNIME for High-throughput Image Analysis (90 min) |
| <b>18:30</b>                      | <b>Social Event; End about 23:00</b>   |  |

**Day 3: Presentations and Poster Sessions, 26<sup>th</sup> October 2012 Besides the presentations, the scientific posters are accessible all day.**

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|----------------------------------|--|
| <b>8:30</b>                      | <b>Registration</b>  |
|                                  | <b>Track - General and Technical topics</b>  |
|                                  | <b>Norbert Vischer:</b><br>Using GlassWindow in ObjectJ to analyze live images displayed by a foreign application (15 min) |
|                                  | <b>William A. Christens-Barry:</b><br>ImageJ toolbox for working with cultural heritage materials (15 min)                 |
| <b>9:00</b><br>-<br><b>10:30</b> | <b>Jerome Mutterer:</b><br>Easy article figures encapsulating original data and processing steps (15 min)                  |
|                                  | <b>Volker Bäcker:</b><br>ImageJ macro tool sets for biological analysis (15 min)   |
|                                  | <b>Isabel Laranjo:</b><br>Multi-format video frame grabber ImageJ plugin - MVFG (15 min)                                   |
|                                  | <b>Oliver Buchheit:</b><br>Improving the human computer interface in ImageJ using the MIDI protocol (15 min)               |
| <b>10:30</b>                     | <b>Break</b>   |

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|---------------|--|
|               | <p><b>Track - Image Processing</b></p> <p><b>Gabriel Landini:</b><br/>Intelligent imaging using discrete mereotopology (15 min)</p> <p><b>Kai Uwe Barthel:</b><br/>Automatic generation of volumetric transfer functions (15 min)</p> <p><b>Elie Maalouf:</b><br/>EMMA-BOX a modular plugin for space variant PSF deconvolution (15 min)</p> <p><b>Aryeh Weiss:</b><br/>Segmentation of DIC and Phase microscopy images using ImageJ (15 min)</p>  |
| 12:00         | <p><b>Lunch including Scientific Poster Evaluation</b></p>   |
| 13:30 - 15:00 | <p><b>Track - High throughput and multidimensional</b></p> <p><b>Benjamin Schmid:</b><br/>Interactive 3D segmentation for ImageJ (15 min)</p> <p><b>Gilbert Bigras:</b><br/>Color Deconvolution: Optimizing handling of 3D unitary optical density vectors with Polar coordinates (15 min)</p> <p><b>Michael Gerhard Kaul:</b><br/>qMapIt, an ImageJ-plugin, for quantitative multi-parametric analyses of DICOM images (15 min)</p> <p><b>Jean Ollion:</b><br/>TANGO: a highly customizable tool for high-throughput image analysis of nuclear signals (15 min)</p> <p><b>Birgit Moeller:</b><br/>Graphical Programming in ALIDA and ImageJ 2.0 with GRAPPA (15 min)</p> <p><b>Charles-Georges Guillemot:</b><br/>Benefits of ontologies in image processing workflows (15 min)</p> |
| 15:00         | <p><b>Break</b></p>  |

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|              | <b>Track - Segmentation</b>  |
|              | <b>Daniela M. Ushizima:</b><br>Material Science image analysis using Quant-Ct in Imagej (15 min)   |
|              | <b>Kota Miura:</b><br>Correlation for the photobleaching of time-lapsed sequences (15 min)   |
| <b>15:30</b> | <b>Gerrit Polder:</b><br>An Imagej plugin for plant variety testing (15 min)   |
| <b>-</b>     |  |
| <b>17:00</b> | <b>Etienne BELIN:</b><br>Relative-entropy based distance for automated detection of empyro in x-ray images of dry seeds of sugarbeet with Imagej software (15 min)     |
|              | <b>Pavita Tipsombatboon:</b><br>Random image selection technique coupled with multiple thresholding algorithms for determination of beef marbling fat content (15 min) |
|              | <b>Poster award</b>  |
| <b>17:00</b> | <b>Closing of event - Drink</b>  |

## Scientific Poster Presentations

- Jaza Gul Mohammed: Segmentation and Tracking 4D of C.Elegans early embryogenesis  
Michel M. Teussink: Imagej for longitudinal analysis of retinal autofluorescence  
Harald Schmidt: Object-based colocalization of angiogenic structures and myeloid cells  
Douglas H. Ross: Automatic OCT retinal band delineation using Imagej  
Tobias Leidinger: Enabling optical character recognition (OCR) for multi-coloured pictures  
Denis V. Volkov: Usage of Imagej program for visualization and analysis of microarray experiments data  
Gilles Carpentier: Angiogenesis Analyzer for Imagej  
Alexandre Granier: WIDE the Web Image and Data Environment  
Louis Wolf: High-throughput Quantification and Analysis of T-Lymphocyte Killing Efficiency with Imagej  
S A Sampath: Relationship between mechanical axis of the lower limb and measurements taken from anteroposterior radiographs for patients with osteoarthritis of the knee  
Cedric Kalies: Designation of body regions for paediatric CT examinations using Imagej  
Markus Glaß: Scratch Assay Analysis in Imagej  
Birgit Moeller: SnakeOptimizer - Object Segmentation with Parametric Active Contours in Imagej  
Stefan Posch: Automatic Generation of Processing Histories using Alida  
Victoria Machtey: Measurement of Nano-particle Uptake in Live Cells using Imagej  
Kenneth R Sloan: Imagej support for high-resolution histology of human macula  
Albina Asadulina: Imagej in the workflow for generating, evaluating and visualizing 3D gene expression atlas  
Patrick Butler: An Imagej plugin for analysis of X-ray images of shape charge jets

Daniel Sage: MIJ: Making interoperability between ImageJ and Matlab possible

Rolf Pawelzik: Knowledge Sharing Robustness of the ImageJ Community

N.A. Englevskiy: Automatization of the process of examination of tracheostome's size, using the ImageJ

Evgeny Puchkov: Use of ImageJ software for fluorescence measurements in subcellular yeast cell studies

Thomas Theelen: IMAGEJ FOR IMAGE PROCESSING AND 3D ANALYSIS OF SPECTRAL DOMAIN OCT

Yoshiyuki Arai: Fast single molecule particle tracking and analysis plugin with Java Native Interface

Lai Ding: An ImageJ macro to analyze mitochondrial movement along axon

Lorenzo Fongaro: Assessment of the surface aspect of foods using ImageJ plugins

Sergey Gutor: Morphometric test-system for patients with ischemic cardiomyopathy

Boris V. Shilov: Development of morphometric database application using ImageJ as a library in Eclipse environment

Carole Frindel: Scale analysis of multicomponent biomedical images with ImageJ software

José Rios-Diaz: Ultrasonographic Textural Pattern of Tendon: Analysis with Grey Level Co-occurrence Matrices

Eric Barnhill: MRE-J: A Novel Pipeline For Magnetic Resonance Elastography Image Processing Using ImageJ and Apache Commons-Math

Michael Gerhard Kaul: DicomSort'n>Select, an ImageJ plugin, for sorting, selecting of DICOM files and providing a technical data interface for other plugins

Zhengyu Pang: Quantitative fluorescence image analysis using ImageJ

Andrei Stefan: Using ImageJ to assess radiographic and ultrasound digital images

Maxim V. Trigub: HARDWARE-SOFTWARE SYSTEM BASED ON THE CUBR-LASER FOR HIGH-SPEED PROCESS VISUALIZATION

Claire Smith: ciliaFA: A research tool for automated, high-throughput measurement of ciliary beat frequency using ImageJ and Microsoft Excel

Ashish Kumar Ram: Computerized Visual Field Perimetry Test for Glaucoma patients

Nirendra Nath Mustafi: Application of ImageJ in characterization of particulate matter emissions from diesel engine

Mohamed Tleis: Yeast-Cells Features Extraction Plugin

Raja Majid Mehmood: A Qualitative Evaluation of a ImageJ Framework

## Open Space Posters

- Ahmed Shah Mehadi: Time-resolved image cytometry of intracellular cholesterol transport in healthy and Niemann Pick C2 disease fibroblasts using a new plugin to ImageJ
- Frank Stein: Rapid analysis of FRET-reporter readout by applying FluoQ - a new ImageJ macro for multiparameter microscopy data analysis

## Social Event

The social event will take place on the evening of the 25th October. [read more...](#)

[Register as an individual](#) or [Register as a](#)

professional

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<http://imagejconf.org/> - **ImageJ User and Developer Conference**

Permanent link:

<http://imagejconf.org/archive/imagej-user-and-developer-conference-2012/programme> 

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