

# Press Information

## ImageJ User and Developer Conference 2008

### Introduction

The ImageJ Conference 2008, taking place the 6th and 7th November 2008 at the Centre de Recherche Henri Tudor, is **the** meeting place of ImageJ users and developers. The meeting provides high-level hands-on workshops from main developers and the latest research results related to ImageJ presented in scientific presentations and posters.

ImageJ is the most powerful free and open source image processing solution for bio-medical imaging. It already provides a lot of image processing functions and the users can benefit of more than 180 extensions provided by the international community to customize ImageJ to their specific needs.

More information about the conference, including the programme and registration information, can be found at the conference homepage at:

- <http://imagejconf.tudor.lu>

### A small introduction to ImageJ

ImageJ is image processing and analysis in Java. The multi-platform software package is developed by Wayne Rasband at National Institute of Health (US) and an international developer community around the world. ImageJ can display, edit, process, and analyse most image formats and provides a whole set of image processing algorithms.

As being mainly used in the biological and medical application field. ImageJ provides dedicated extensions for problems in these application domains. These extensions, called "plugins", provide functions for example, to connect to microscopes, analyse multidimensional data, load and process medical images, count cells and many more. Currently the ImageJ homepage and the ImageJ documentation portal count more than 180 plugins and the ImageJ mailing list has about 1700 members.

More information about ImageJ can be found at:

- The ImageJ Homepage: <http://rsbweb.nih.gov/ij/>
- The ImageJ Documentation Portal: <http://imagejdocu.tudor.lu/>
- A ImageJ Review by Forrest Mims III:  
[http://www.sas.org/tcs/weeklyIssues\\_2005/2005-10-21/feature2/](http://www.sas.org/tcs/weeklyIssues_2005/2005-10-21/feature2/)

### The conference organisation

The conference starts with a workshop day, during that the visitors are able to learn ImageJ

technology at different levels:

During the welcome session Wayne Rasband, the creator of ImageJ, will give in his keynote a short overview of the newest developments. The courses split then: The beginners track provides all necessary information to get started with ImageJ, including the writing of extensions for it. The advanced track is focusing on more progressive topics such as 3D image processing, analysis of huge image collections and the transfer of image data over the internet. All workshops are hands-on workshops: The visitor will test the presented technologies in small groups on their imaging stations.

The second day is dedicated to presentations showing latest research results from different domains related to ImageJ. These topics range from visual programming techniques to more application based information for biologists, medical and astronomical imaging. Both days are accompanied by more than 25 scientific posters showing interesting facts and case studies around ImageJ.

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## What is Open Source?

Free and Open Source Software (FOSS) is defined by the Free Software Foundation with four freedoms: the freedom to run the program, the freedom to study how the program works, the freedom to redistribute the software and to improve the program (and release this improvement). Free software is a matter of liberty, not price: You might think about it as “free speech” instead of “free beer”.

More information about FOSS can be found at:

- Free and Open Source Platform at the CRP Henri Tudor: <http://libre.tudor.lu>
- Free Software Foundation: <http://fsf.org>

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

Permanent link: <http://imagejconf.org/archive/imagej-user-and-developer-conference-2008/press> 

Last update: **2009/11/24 13:08**