

# 2013 Plug-and-Play Macroscope Workshop

The following content also accessible through <http://wiki.cns.iu.edu/display/PRES/2013+Plug-and-Play+Macroscope+Workshop>

## Workshop Home Page

<http://cns.iu.edu/workshops/event/131105.html>

## Workshop notes

[2013-11-06 Workshop Notes](#)

## CIShell introduction Slides

[CIShell-challenges.pptx](#)

## Hackathon

The workshop will have a hackathon section where participants will form their own team. Each team will create a new CIShell / Sci2 plugin, such as the Average plugin, Text Normalizer plugin, Burst Detection plugin, or Community Detection plugin. You can choose to wrap an existing Java algorithm as a CIShell / Sci2 plugin. It is always good to think ahead for a suitable Java plugin.

**Important:** The workshop will require a laptop or notebook that can be used for development.

These are the tools needed. Download and unzip the tools before attending the workshop.

- Eclipse for Java EE Developers (Juno or Kepler): <http://www.eclipse.org/downloads/>
- CIShell executable: <http://cishell.org/nightly/2.0.0.201310290006NGT/>
- Sci2 executable: <https://sci2.cns.iu.edu>
- Java 6 (or 32-bit Java 7 ): <http://java.com/en/download/>

Useful links:

- Setup CIShell development environment: <http://wiki.cns.iu.edu/display/CISHELL/CIShell+2.0+--+Setting+Up+the+Development+Environment>
- Developing a single plugin: <http://wiki.cns.iu.edu/display/CISHELL/Developing+a+Single+Plugin>
- CIShell Java Doc: <http://cishell.org/dev/docs/spec/api-1.0/>

Further interests:

- CIShell GitHub Repository: <https://github.com/CIShell/CIShell>
- Extensive CIShell development: [CIShell 2.0 Developer Documentation](#)

**Make sure you have internet access. Ask [Samantha](#) for help!**