

## **Open Hands-on Workshop on The Insight Segmentation and Registration Toolkit (ITK)**

**Summary:** The Insight Segmentation and Registration Toolkit (ITK) is a widely used, free and open-source, cross-platform software toolkit that provides an extensive suite of software tools for biomedical image analysis, especially segmentation and registration. Developed using extreme programming methodologies, ITK employs leading-edge algorithms for registering and segmenting multi-dimensional data. Luis Ibanez, Matt McCormick, and Xiaoxiao Liu from Kitware, Inc. will conduct a hands-on workshop (see [agenda](#)) on ITK (version 4). The interactive portion of this workshop will include an introduction to [ITK v4](#) and [Simple ITK](#), with hands-on exercises on advanced image filtering, segmentation, and registration. A free USB thumb drive will be provided with all necessary software.

**When:** Tuesday, May 28th, 10am-5pm.

The first hour (10am – 11am) will provide an ITK overview for those who cannot attend the whole workshop. The rest of the workshop will be a hands-on learning experience.

**Where:** FB-007, Sitterson Hall, Dept. of Computer Science, The University of North Carolina at Chapel Hill

**Audience:** This workshop is appropriate for all scientific programmers, especially image analysts, who are interested in learning about ITK and ways to use it in their work.

**Cost & registration: Free.** Advance registration requested to help us make better arrangements. Please fill in [this form](#) or email [xiaoxiao.liu@kitware.com](mailto:xiaoxiao.liu@kitware.com) by May 26th if you plan to attend the workshop. **Pizza will be provided during lunch hour.**

**What to bring:** Bring a laptop with VirtualBox installed ([www.virtualbox.org](http://www.virtualbox.org)) if you plan to attend the hands-on activities.

**Sponsored by:** The National Institutes of Health-National Library of Medicine (NIH-NLM), Kitware, Inc.