The Center for Hardware Assurance, Security and Engineering at the UConn School of Engineering is offering

**Hands-on Course on 3D imaging and Image Processing**

*When:* July 31 – August 2 (2014)

*Where:* UConn Storrs Campus
Information Technology Building, Room C80
371 Fairfield Way
Storrs, CT 06269

*Price:* $3000

*Instructor:* Dr. Sina Shahbazmohamadi

*Software:* Avizo and Amira (Fire Edition)
Image J and FIJI
Mathlab Image Processing Toolbox

**Course Description**

This course consists of lectures and hands-on 3D image processing and analysis intended for new and existing users of any 3D imaging modalities including: 3D X-ray Tomography (CT Scan), 3D FIB tomography, Magnetic Resonant Imaging (MRI), 3D SEM-stereo-photogrammetry, any 3D surface imaging including Laser Scanning Microscopy, Atomic Force Microscopy (AFM) with applications in Material Sciences, Life Sciences, Electronics and oil, gas and natural resources industry. Topics include:

- Introduction to Digital Image Processing
- Digital Image Processing and Filtering
- Image Segmentation
- Image Registration:
- Quantitative Image Analysis

For more information & registration please contact us at 860.486.5955 or [www.cdee.uconn.edu/3DImaging](http://www.cdee.uconn.edu/3DImaging)