

The IEEE South Alberta Section's Computer Chapter  
is excited to host a seminar titled:

## Development and Testing of Cross-Platform Mobile and Web-based Medical Software Applications

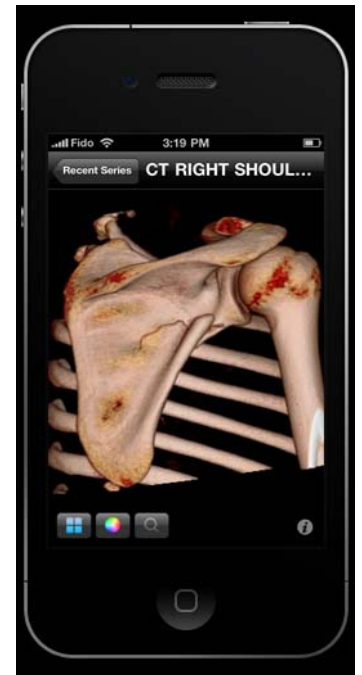
Speaker: Tony Schellenberg, PhD, PEng  
Technical Lead, Calgary Scientific Inc.

**Wednesday, Nov. 2, 2011, 5-6:30 pm**

5:00-5:20 Refreshment, informal networking  
5:20-5:30 Welcome and introduction by the host (IEEE SAS)  
5:30-6:20 Talk, 6:20-6:30 Q/A

**LOCATION: ICT 121**, University of Calgary  
(For the campus map and parking locations, please see  
[www.ucalgary.ca/map](http://www.ucalgary.ca/map))

**COST:** Free to everyone (IEEE members and non-members).  
All students are welcome. Refreshments will be served (first  
come, first served). No RSVP is required.



### Abstract:

The development of medical software applications is subject to a wide range of regulations and considerations that are not part of many software projects. Extending these applications into remotely accessible, cross platform products introduces an additional layer of complexity. Calgary Scientific Inc. has developed a range of remotely accessible, cross platform medical imaging products, *ResolutionMD*, as well as a web enablement technology known as *PureWeb*.

This presentation will begin with a brief overview and demonstration of the *ResolutionMD* remote imaging application suite and a short background presentation on the history of our products and development methodologies. It will then proceed into some of the interesting and unusual aspects of producing remotely accessible medical imaging software. Topics in the presentation will include cross platform development, application of industry standards, and special considerations for remotely accessible medical applications.

### Speaker's Biography:

Tony Schellenberg has been a professional software developer for over five years. His primary development experience is focused on computer graphics and high performance computing in the area of scientific computing. Previous and current projects include seismic data processing, medical imaging, and power system analysis. Tony is presently working for Calgary Scientific Inc. in the Tech. Lead role for the *ResolutionMD* line of medical applications.

Tony has been and IEEE member since 2002. He is registered with APEGGA as a Professional Engineer and graduated from the University of Calgary in 2002 and 2006 with a B. Sc. and Ph. D. in Electrical Engineering, respectively.

### Seminar Coordinator:

Vahid Garousi, PhD, PEng, [vgarousi@ucalgary.ca](mailto:vgarousi@ucalgary.ca), Computer Chapter Chair of the IEEE South Alberta Section  
For more information, visit: <http://sas.ieee.ca>

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The IEEE Computer Society ([www.computer.org](http://www.computer.org)) is the largest society, in terms of number of members, among all 38 IEEE societies.