

## **PET signal optimization for different tasks: from lesion detection to pattern definition**

*Saturday, 6 September 2014 16:30 (20 minutes)*

Important goals in clinical medical imaging are early disease detection, disease staging and ability to establish treatment efficacy; they all require the ability to reliably detect small changes in the appropriate biomarker distribution. High imaging resolution and sensitivity and accurate data quantification are important elements, but so is the use of appropriate tracers and image analysis methodology. This talk will discuss different metrics used in image analysis, such as value, regional shape and texture based approaches in relationship with expected disease characteristics. The synergy of multi-modality based images will also be presented.

**Presenter:** SOSSI, Vesna (University of British Columbia)

**Session Classification:** Technology session I