

29th Annual  
**John Cameron Lecture**

Monday, May 2, 2016 4:00 p.m.

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**Perspectives for Future Developments  
in CT Imaging**

Computed tomography (CT) has made enormous technical advances since its introduction into clinical use. The engineering improvements have in turn led to important clinical applications and large impact in patient care. This talk reviews the technology development trends in CT since its introduction and uses these trends to help illuminate likely future progress. We explore trends in scanning speed, both for individual sections and entire volumes, and in spatial resolution (in-plane and slice direction). More recent developments in spectral imaging, new detector technology, and reconstruction methods also will have impact. The prediction is that significant further improvements in speed, spatial resolution and dose efficiency can be expected in the next decade.



**1345 Health Science Learning Center (HSLC) 4:00 - 5:30 P.M.**