

**When:** Friday 15:00 – 16:00  
**Where:** ETB 1003  
**Coordinator:** Xiaoning Qian ([xqian@ece.tamu.edu](mailto:xqian@ece.tamu.edu))

**Speaker:** Prof. Jim X. Ji

Associate Professor  
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**Title:** New Ways to Imaging Interventional Devices with MRI  
**Date:** 11-11-2016

**Abstract:** Interventional and implantable devices are increasingly being used for treating cancers, cardiovascular and neurological disorders. This poses a great challenge to MRI. We will discuss this challenge and why it is important to address it. Then some recent collaborative work by our group in this area using new pulse sequences and processing algorithms will be presented.

**Biography:** Ji received his B.S. and M.S. degrees from Tsinghua University and his Ph.D. degree from University of Illinois at Urbana Champaign (UIUC), all in Electrical Engineering. He is currently an Associate Professor in the Department of Electrical and Computer Engineering at Texas A&M University. His research interests include high-speed imaging in MRI, biomedical image processing and their applications in cancer and neural applications. His recent work is focused on MRI with large arrays and compressive sensing MRI.

Ji received the Zhongwang Outstanding Graduate Student Prize from Tsinghua University in 1997, the Sundaram Seshu Fellowship from UIUC in 2001, and the Faculty Early Career Development (CAREER) Award from the National Science Foundation (NSF) in 2008. He serves regularly as an ad-hoc member on NIH and NSF grant review panels, and associate editors of IEEE Transactions on Biomedical Engineering, IEEE Journal of Biomedical Health Informatics, and Quantitative Imaging in Medicine and Surgery. He is senior member of the Institute of Electrical and Electronics Engineers (IEEE), and serves as the Program co-Chair of Annual International Conference of IEEE Engineering in Medicine and Biology Society (2014).