

IEM SEMINAR SERIES

Thursday
October 1st, 2015

Research in High-Field and Parallel Imaging at the Magnetic Resonance Systems Lab



Institute for
Engineering in Medicine
UNIVERSITY OF MINNESOTA
Driven to DiscoverSM

DR. STEVEN M. WRIGHT

Royce E. Wisenbaker II Professor
Departments of Electrical and Computer Engineering,
Biomedical Engineering, and Radiology (TAMUHSC)
Area Leader, Biomedical Imaging



FREE event, no registration required.

2:30PM - 3:30PM
Mechanical Engineering
Room 212

For additional information
on Dr. Wright's presentation,
please contact:
scot0353@umn.edu

The Institute for Engineering in Medicine (IEM) is pleased to announce the IEM Special Seminar by Dr. Steven M. Wright, "Research in High-Field and Parallel Imaging at the Magnetic Resonance Systems Lab."

This talk will describe a number of research projects focused on parallel transmit and receive MRI, at field strengths from 1.0 to 7.0 Tesla. Examples include a still novel 64 channel transmitter and 64 channel transmit/receive coil which enables single shot imaging over curvilinear surfaces along the array surface, to two and four channel transmit coil architectures that ensure known current distribution among elements of an array.

Steven M. Wright received the B.S. (highest honors), M.S., and Ph.D. degrees in electrical engineering from the University of Illinois, Urbana, in 1980, 1981, and 1984, respectively. Dr. Wright began his career as an Engineer/Scientist for magnetic resonance imaging at Saint Francis Medical Center in Peoria, IL, where he was also an Adjunct Assistant Professor of Electrical Engineering at the University of Illinois. He joined the faculty at Texas A&M University in 1988, where he established the Magnetic Resonance Systems Lab. Currently he is the Wisenbaker Professor of Electrical and Computer Engineering, Biomedical Engineering and Radiology, and is serving as the associate department head for undergraduate education in ECE. During the summer and fall of 2000, he was a Visiting Professor at the University of Texas M.D. Anderson Cancer Center, and currently has affiliate appointments at the Advanced Imaging Research Center at the University of Texas Southwestern Medical Center and the Center for Magnetic Resonance Research at the University of Illinois at Chicago. Dr. Wright's research interests are in the development of instrumentation and techniques for magnetic resonance imaging and spectroscopy and in computational electromagnetics, particularly for RF coil array development for MRI.

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