

Post-doc position in Computational MRI

The University of Texas at Austin

We are seeking a highly motivated postdoctoral fellow to develop pulse sequence and reconstruction algorithms for computational MRI. By considering the joint design of the imaging system and the software algorithms, it is possible to greatly accelerate the MRI acquisition while also improving image quality. We aim to develop and implement computational MRI methods by combining MRI physics, signal processing, optimization, deep learning, and high performance computing.

Qualifications and Appointment

1. Recent PhD in electrical/biomedical engineering or related fields;
2. Experience in MRI physics;
3. Experience in image reconstruction and/or machine learning;
4. Experience with pulse sequence programming preferred.

This is a full-time position with start date of January 2021 or later.

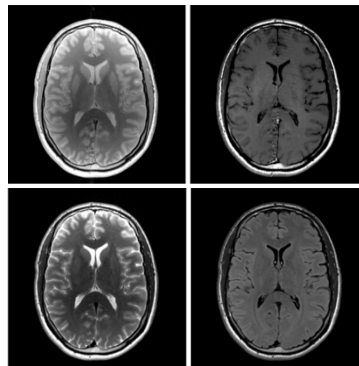
The Computational Sensing and Imaging Lab @ UT Austin

Located in the Engineering Education & Research Center, the CSI Lab is part of an interdisciplinary team of research scientists, engineers, and clinicians, and is closely affiliated with the UT Biomedical Imaging Center and the UT Dell Medical School. Positioned at the nexus of biomedical and engineering innovation, we are passionate about tackling real-world challenges through the lens of computational sensing and imaging.

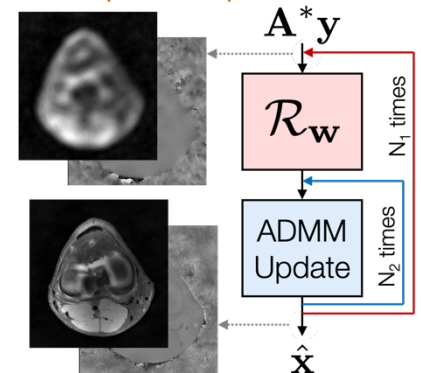
Engineering Education & Research Center



Fast multi-contrast imaging



Deep inverse problems



To Apply: send a CV, short statement of interests, and contact information of two references to:

Jon Tamir, PhD
 Assistant Professor, Electrical and Computer Engineering
 The University of Texas at Austin
 jtamir@utexas.edu

The University of Texas at Austin is committed to an educational and working environment that provides equal opportunity to all members of the university community.