



Daniel Weller is an Assistant Professor in the Department of Electrical and Computer Engineering at the University of Virginia. From 2012-2014, he was a postdoctoral research fellow at the University of Michigan in Ann Arbor, where he conducted research into functional magnetic resonance imaging. His group is investigating novel signal processing methods and algorithms for image reconstruction and related research questions. Recent application areas of interest include dynamic and functional thoracic, cardiac, and abdominal imaging, and terahertz imaging and spectroscopy. Several exciting research questions connected to these applications include studying sparse, structured, and parametric signal models; automatic parameter selection; deriving new iterative algorithms for inverse problems; and identifying synergies between acquisition and reconstruction in image formation. Dan was the recipient of an NIH national research service award postdoctoral fellowship, a national defense science and engineering graduate fellowship, and an NSF graduate research fellowship. Dan is a member of IEEE, ISMRM, and is an Associate Editor of IEEE Transactions on Medical Imaging.

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“Improving signal recovery and image reconstruction using models and algorithms...”

