

**Joel Dawson**

Department of Electrical Engineering and Computer Science, MIT

**Dr. Seward Rutkove**

Beth Israel Deaconess Medical Center

**Biography:**

Joel L. Dawson is an associate professor in the Department of Electrical Engineering and Computer Science at MIT. He received the S.B. in EE from MIT in 1996, and the MEng. degree from MIT in EECS in 1997. He went on to pursue further graduate studies at Stanford University, where he received his Ph.D. in Electrical Engineering for his work on power amplifier linearization techniques. Before joining the faculty at MIT, Dr. Dawson spent one year at a startup company that he co-founded. He continues to be active in the industry as both a technical and legal consultant, having worked with BitWave Semiconductor, Nextwave Wireless, Fish and Richardson, and WilmerHale. Prof. Dawson received the NSF CAREER award in 2008, and was selected for a PECASE award in 2009.

Dr. Rutkove is Associate Professor of Neurology, Harvard Medical School and Chief of the Division of Neuromuscular Diseases in the Department of Neurology at Beth Israel Deaconess Medical Center. His research interests include the study of impedance techniques in the assessment of nerve and muscle diseases and the effects of temperature in diabetic neuropathy. He also maintains a broad interest in the application of engineering approaches to the diagnosis and treatment of these disorders, including Lou Gehrig's disease, muscular dystrophy and primary diseases of nerve. He is principal investigator on multiple NIH- and foundation-funded research awards that support a wide-ranging investigative program with both basic and clinical components. Dr. Rutkove is the author of more than 60 peer-reviewed articles.