5th Minnesota Neuromodulation Symposium
April 13 - 14, 2017 Minneapolis, USA

Symposium Chair
Bin He McKeight University Professor Director, Institute for Engineering in Medicine University of Minnesota

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Abstract Submission Deadline:
January 9, 2017

Travel Award Deadline:
January 9, 2017

Early Registration Deadline:
March 1, 2017

Neuromodulation is a rapidly-growing field, encompassing a wide spectrum of implantable and non-invasive technology-based approaches for the treatment of neurological and psychiatric disorders. Advancing the field of neuromodulation represents challenges in developing engineering methodologies, understanding mechanisms of neuromodulation at cellular and systemic levels, clinical translation to treat patients, and shaping the regulatory process for emerging technologies and approaches. The Symposium is aimed at bringing together basic scientists, engineers, clinicians, industrial practitioners and entrepreneurs to discuss challenges and opportunities in neuromodulation, including but not limited to DBS, TMS, tDCS/tACS, FUS, optogenetics, engineering methods for neuromodulation such as modeling, electrode designs and imaging, as well as neuroscience mechanisms of neuromodulation. The Symposium series has been sponsored by the Institute for Engineering in Medicine, and technically co-sponsored by IEEE EMBS and Medical Alley in the past.

Original contributions in any area of neuromodulation are invited. Authors should submit 1-page abstract by Jan 9, 2017. All submissions will be peer reviewed, and those receiving the highest scores will be selected for the plenary Highlight Talk session. Students/postdocs are eligible for the Poster Competition. Up to 10 Travel Awards will be provided to domestic ($750) or international ($1250) students/postdocs.

Website: http://neuromodulation.umn.edu/

Plenary Speakers

Mark Hallett, MD
Chief, Human Motor Control Section
National Institute of Neurological Disorders and Stroke (NINDS)
National Institutes of Health (NIH)
President, International Federation of Clinical Neurophysiology

Helen Mayberg, MD
Professor of Psychiatry, Neurology and Radiology
Dorothy Fuqua Chair in Psychiatric Neuroimaging and Therapeutics
Member, National Academy of Medicine
Emory University

Walter Paulus, MD, PhD
Professor of Clinical Neurophysiology
Director of the Department of Clinical Neurophysiology
University Medical Center Gottingen

William Tyler, PhD
Associate Professor
School of Biomedical and Health Systems Engineering
Arizona State University

Jerrold Vitek, MD, PhD
McKown Professor and Chair
Department of Neurology
University of Minnesota School of Medicine