Seminar Announcement

Friday, December 6, 2019
12:00 pm – 1:00 pm
Olin Engineering, Room 202
Marquette University

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Abstract

“Technology in MS care – An opportunity to make an impact”

Multiple sclerosis (MS) is a chronic, lifelong, neurodegenerative and demyelinating disease of the central nervous system. It mostly affects young adults and can result in significant impairments and loss of abilities. Symptoms may include disturbances in the visual system, motor abilities, sensory perception, balance, bowel/bladder/sexual functions, fatigue, cognitive impairments, among others. Accurate diagnosis is not straightforward and often including the art of combining clinical assessments, with laboratory and imaging findings. The disease course is unpredictable and current treatments have variable degree of success in reducing “relapses” which are the hallmark of the majority of cases. During these relapses, patient accumulate difficulties and may not recover well. Despite treatment, some patients progress, and the disease gets worse overtime due to accelerated neuronal loss.

Symptomatic therapy is key for successful management of the disease. Prosthetics and other innovations play a major role in helping individuals living with MS to navigate their daily life and remain functional in the society. There are several examples of existing technologies that are available but there are many unmet needs for the care of individuals living with MS in the USA and globally.

Objectives:

1. To provide an overview and discussion of MS from a clinical perspective
2. To discuss unmet needs and opportunities for innovation locally and globally.

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Olin Engineering is located at 1515 W. Wisconsin Ave, Milwaukee, WI. Parking is available in Structure 1 on 16th Street between Wisconsin Ave. and Wells Ave.