Wednesday, May 29

8:30-11:40 AM | Keller 3-111

Wearable Technology -- Materials and Applications II

Biomaterials and Pharmaceutical Materials (BPM)

Ron Siegel, Program Leader

This workshop continues the exploration of the new and rapidly evolving field of wearable technology. Wearable technology encompasses devices integrated into fabrics, and flexible substrates that can be worn on the skin. Applications include health monitoring and prosthetics, interactive wearable devices, and fashion. The role of fabrics is also evolving from passive to active. One aim of this workshop is to identify materials and interfacial engineering challenges associated with the development of these new technologies.

AGENDA

Time	**Title**	**Authors**
8:30	Welcome and Introductions	**Ron Siegel**-UMN
8:40	Wearable Wireless Motion Sensors	**Rajesh Rajamani**-UMN
9:20	Dynamic Gating of Infrared Radiation in a Textile	**YuHuang Wang**, Univ. of Maryland
10:00	**Break**	
10:20	Wearable Technologies using Active Materials	**Brad Holschuh**-UMN
11:00	Real-Time Detection of Atrial Fibrillation using a Smart Watch	**Ki Chon**-Univ. of Connecticut