



Graduate Seminar



The Department of Biomedical Engineering

presents

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Professor of Electrical Engineering
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Engineering the Future of Healthcare

The goal of Distributed Diagnosis and Home Healthcare (D₂H₂) is to improve quality of care and patient wellness and outcomes by transforming the delivery of healthcare from a central, hospital-based system to one that is more distributed, patient-centered and home-based. D₂H₂ has potentials to benefit patients by improving the quality and convenience of care, controlling healthcare cost, and preventing medical errors, thus leading to increased access to affordable and effective healthcare.

Technology will be the pulling force into this new era of healthcare and its delivery. Also, how to address key non-technical challenges in D₂H₂ (e.g., stakeholder's resistance and business model) and manage the process of unleashing technological advances will be critical to the success of this new healthcare paradigm. Moreover, the success is dependent on bridging the 'valley of death' in technologies for D₂H₂ and creating a dynamic and entrepreneurial environment and support system for translational research and closer ties and collaboration between researchers, engineers, industry, clinicians and healthcare organizations.

We believe that the D₂H₂ paradigm, with all the stakeholders working together toward the common and societal good, will aid in developing a sustainable 21st-century healthcare system with the potential to improve accessibility to healthcare, increase care quality, and control healthcare costs, not only in the developed countries but also in the developing countries.

Friday, October 10 at 3:00—U113 M&M Building

Michigan Tech
