The Malone Center for Engineering in Healthcare brings together engineers, clinicians, and care providers who are leveraging data analytics in novel ways, are pioneering new technologies, and are applying systems engineering principles to speed the deployment of research-based innovations that will enhance the efficiency, effectiveness, and consistency of health care.

COLLABORATORS—JOIN US

As a member of our core faculty, you will help define and support the Center’s mission and strategy.

As an affiliated faculty member or laboratory site, you will collaborate with Malone Center faculty and students.

As a Malone Center Fellow, you will work with core and affiliated faculty and receive support from the Center.

Contact us:
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MISSION

Our mission is to catalyze and accelerate the development, translation, and deployment of new technologies that advance the effectiveness and efficiency of health care.

Our strategy is to build clinician-engineering teams to create systems that enhance disease diagnosis and treatment, improve patient outcomes, and promote care provider efficiency and patient satisfaction.

The Malone Center will support innovations and collaborations across Johns Hopkins University, dedicated to producing new technologies and promoting the translation of these technologies into practice.

MESSAGE FROM THE DIRECTOR

Engineering principles applied to the process of diagnosing and treating disease have the potential to revolutionize the delivery of health care. Achieving this potential requires a critical mass of committed, innovative, and cross-disciplinary individuals. Through the generous support of John C. Malone, PhD ’69, and the Whiting School of Engineering, we are engaging with clinical partners in order to improve the effectiveness of healthcare for all stakeholders, including patients, caregivers, and healthcare-providing organizations.

Gregory D. Hager, Director of the Malone Center for Engineering in Healthcare and Mandell Bellmore Professor

FOCUS AREAS

Our long-term vision is to promote advances in three areas:

- Smart Devices and Systems for Healthcare—creating devices and associated computational and/or information analytics that enhance care in the clinical environment
- Modeling and Optimization for Healthcare Delivery—exploiting traditional and new sources of data to create tools that enhance the diagnosis, delivery, and quality of healthcare
- Mobile Health and Healthy Living—developing innovations that support individuals outside traditional care environments, that enhance health in everyday life, and that augment traditional health care approaches