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.

LEADERSHIP

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Director of the Malone Center for Engineering in Healthcare
Mandell Bellmore Professor of Computer Science

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John C. Malone Professor of Neurology, Neuroscience, & Physical Medicine and Rehabilitation

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**OUR MISSION**

Engineering principles applied to the process of diagnosing and treating disease have the potential to revolutionize health care. Through the generous support of John C. Malone, PhD ’69, and the Whiting School of Engineering, the Malone Center supports innovations and collaborations across Johns Hopkins University and is dedicated to producing new health care technologies and promoting the translation of these technologies into practice.

**RECENT PROJECTS**

- **TREWScore**, a targeted real-time early warning score that allows clinicians to recognize patients at risk for septic shock and provide life-saving intervention
- Hand rehabilitation device to help patients recover fine finger control after stroke (BLAM Lab)
- **SpineCloud**, an image-analytic approach to improving spine surgery outcomes
- Health informatics tools to improve emergency care and streamline day-to-day hospital operations

“**The Malone Center is providing a meeting point. By bringing diverse faculty into proximity, it provides networking opportunities and improves communications between experts who are focused on common goals.**”

Russell Taylor, John C. Malone Professor of Computer Science

“**The hospital is a challenge factory, and engineers love a challenge.**”

Jeffrey Siewerdsen, John C. Malone Professor of Biomedical Engineering