



ILLINOIS INNOVATION PRIZE

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Technology Entrepreneur Center
COLLEGE OF ENGINEERING

Siddharth Krishnan is Co-Founder of Rhaeos Inc. He has developed a noninvasive, wearable shunt failure monitor for patients with hydrocephalus. The wireless monitor also transmits the data to a smartphone. Hydrocephalus affects approximately one million Americans in every stage of life, and is the most common reason for brain surgeries in children. The estimated medical costs for hydrocephalus are over \$2 billion per year. These shunt failure monitors have the potential to bring down costs associated with expensive, inaccurate, and painful diagnostic testing. Siddharth has also developed a wearable, wireless, battery-free skin hydration sensor in close collaboration with L'Oreal Inc. Poor skin hydration can lead to psoriasis, ichthyosis and other pathologies.

#IIP

2019 WINNER

SIDDHARTH KRISHNAN

*PhD Candidate in Materials Science & Engineering,
College of Engineering*