

IEM Special Seminar

WEDNESDAY
August 23rd, 2017

The Clinician's Role in Innovation: Underappreciated or Overvalued?



Institute for
Engineering in Medicine
UNIVERSITY OF MINNESOTA
Driven to DiscoverSM

Dr. Mehdi Razavi

Associate Professor, Medicine,
Baylor College of Medicine
Research Scientist,
Texas Heart Institute



FREE event, no registration required.

Refreshments will be provided
from 11:45 am

For additional information on
Dr. Mehdi Razavi's presentation
please contact: scot0353@umn.edu

12:00PM - 1:00PM
Mayo Memorial
Building
Room 3-100

The Institute for Engineering in Medicine (IEM) is pleased to announce a special seminar by Dr. Mehdi Razavi, "*The Clinician's Role in Innovation: Underappreciated or Overvalued?*"

Dr. Razavi attended medical school at the Medical College of Pennsylvania. He subsequently completed his residency, cardiology fellowship, and electrophysiology fellowship at the Mayo Clinic in Rochester, Minnesota. He was an Associate Professor of Medicine at Penn State University School of Medicine for one year prior to moving to Houston where he holds the same title at Baylor College of Medicine. He is also a Research Scientist at the Texas Heart Institute. As Director of Clinical Arrhythmia Research and Innovation at Texas Heart Institute and Adjunct Professor of Bioengineering at Rice University, He has had the opportunity to be at the forefront of the development of innovative ideas to improve patient care outcomes.

Dr. Razavi first started working with senior engineering students in the Department of Bioengineering at Rice University and in the Department of Biomedical Engineering at Texas A&M University on yearlong design projects in 2009. In this role, Dr. Razavi provided students with a solution to an unmet clinical need, challenged them to develop this solution into an effective medical device that could address the problem, and mentored them through the development process. Every year since then, he has worked on at least one project per university yielding a wide variety of innovative devices such as an impedance based system for bleed detection, a sternal wire based EKG monitor, and a navigation system to aid endotracheal intubation. This partnership has now expanded to semester-long freshman design projects at Rice University. This initial collaboration has blossomed to now include collaborations with different research groups, especially at Rice University. Dr. Razavi's projects have been supported by industry funding and other grant sources. Dr. Razavi is also the recipient of an American Heart Association Collaborative Sciences Award (2015) which supports the research of using carbon nanofiber tubes to combat reentrant arrhythmia.

