Please Join Us as
Dr. Tom M. Mitchell Presents:
“Decoding the Information Encoded in Neural Activity”

Abstract: Brain imaging methods have revolutionized brain science by making it possible to observe neural activity in humans and animals at a level of detail never before possible. But understanding the brain requires that we understand more than what neural activity exists -- we must understand the information it encodes, and how it operates on this information. We will describe a family of machine learning methods for automatically decoding the information encoded by neural activity, and their use to uncover new knowledge of how the brain represents meaning during reading.

Tom M. Mitchell is the E. Fredkin University Professor at Carnegie Mellon University, where he founded the world's first Machine Learning Department. His research uses machine learning to develop computers that are learning to read the web, and uses brain imaging to study how the human brain understands what it reads. Mitchell is a member of the U.S. National Academy of Engineering, the American Academy of Arts and Sciences, a Fellow of the American Association for the Advancement of Science (AAAS), and a Fellow and Past President of the Association for the Advancement of Artificial Intelligence (AAAI). In 2015 he received an honorary Doctor of Laws degree from Dalhousie University for his contributions to machine learning and cognitive neuroscience.

Monday, April 24, 2017 – 3:30 pm
McArthur Engineering Annex – Room MEA202,
Coral Gables

This presentation will be broadcast live. To sign up for the live broadcast please visit the event link: [http://coe.miami.edu/speaker/Mitchell](http://coe.miami.edu/speaker/Mitchell)

Light Refreshments will be provided.
For more information, please contact Valerie Zaldivar at 305-284-3291 or v.zaldivar@umiami.edu