

**Please join us for a talk by Amos Golan, American University**

**“Data Confessions with Minimal Torture: The Info-Metrics Way”**

**Thursday, December 14, 2017, 2:00 p.m.  
Haas Hall, Room 111**



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**Abstract**

Info-metrics is the science of modeling, reasoning, and drawing inferences under conditions of noisy and insufficient information. It is at the intersection of information theory, statistical inference, and decision-making under uncertainty. It plays an important role in helping make informed decisions even when there is inadequate or incomplete information because it provides a framework to process available information with minimal reliance on assumptions that cannot be validated. In other words, it gets the data to confess with minimal torture under careful supervision from the judge and jury.

My talk will be based on my new book <http://info-metrics.org/> that examines the theoretical underpinning of info-metrics and provides extensive interdisciplinary applications. I will discuss the basic ideas via graphical representations of the model and theory, and will present a number of interdisciplinary examples.

**Sponsored by the Purdue University Center for Science of Information**