**PLEASE JOIN US FOR A TALK BY**

# Professor Peter Spirtes

of Carnegie Mellon University

## "Recent Developments in Automated Causal Learning"

**FEBRUARY 5TH AT 3:00 P.M.**

**At the invitation of the University of Florida Departments of Philosophy and Statistics and the Smathers Libraries**

Zoom details:
https://ufl.zoom.us/j/94079759976?pwd=cSsvTXVTMndaSjhOYXZLYUZueUlzUT09

Meeting ID: 940 7975 9976
Passcode: 439389
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# "Recent Developments in Automated Causal Learning"

This talk will give a broad coverage of central concepts and principles involved in automated causal inference and emerging approaches to causal discovery. After reviewing concepts including manipulations, causal models, sample predictive modeling, causal predictive modeling, and structural equation models, I will present the constraint-based approach to causal discovery, which relies on the conditional independence relationships in the data, and discuss the assumptions underlying its validity. I will then focus on causal discovery based on structural equations models, in which a key issue is the identifiability of the causal structure implied by appropriately defined structural equation models. Finally, I list a number of open questions in the field of causal discovery and inference.