# End to End Data Science

This talk reviews a number of methodologies for, and applications of, End to End Data Science, the process of transforming raw data into decisions. In particular, it highlights the symbiotic relationships between machine learning, optimization, and privacy for applications in mobility, energy systems, and census reporting. The case studies feature advanced optimization techniques, deep learning, and differential privacy.

**Pascal Van Hentenryck, Ph.D.**

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Systems Engineering
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**Date:** Friday, March 26, 2021
**Time:** 1:00 – 2:00 p.m. US Central Time
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**Passcode: 724615**
**Faculty host**: Yu Ding, TAMIDS

## Biography

Dr. Pascal Van Hentenryck is the A. Russell Chandler III Chair and Professor in the H. Milton Stewart School of Industrial and Systems Engineering at the Georgia Institute of Technology, the Associate Chair for Innovation and Entrepreneurship, and the Director of the Socially Aware Mobility Lab. Van Hentenryck is an INFORMS Fellow and a Fellow of the Association for the Advancement of Artificial Intelligence (AAAI), and the recipient of two honorary doctoral degrees. Several of his optimization systems, including the CHIP and OPL systems, have been in commercial use for more than 20 years. His current research focuses on machine learning, optimization, and privacy with applications in mobility, energy, and resilience.

You can also click this link to join the seminar https://tamu.zoom.us/j/99844993279?pwd=TkJodWFVRURyMmkwakI4SWZGeVJTQT09

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