

Distinguished Lectures

Fall 2017



Colorado State University's Information Science and Technology Center (ISTeC) presents one lecture by

Dr. Ashok Srivastava

Senior Vice President and Chief Data Officer

Intuit

ISTeC Distinguished Lecture

In conjunction with the Department of Electrical and Computer Engineering, and Department of Computer Science Seminar Series

"Large-Scale Machine Learning and AI: A Cross-Industry Perspective"

Monday, Oct. 30, 2017

Reception with refreshments: 10:30 a.m.

Lecture: 11:00 a.m.-12:00 noon

Morgan Library Event Hall

Abstract

Large-Scale Machine Learning and AI: A Cross-Industry Perspective

Over the past several years, there has been an increasing interest in building and deploying large-scale machine learning and AI capabilities on massive, streaming data sets. This talk provides an overview of the key issues that arise in building such systems from the algorithmic, technological, and organizational perspective. Key results across a variety of industries will be presented.

Speaker Biography

Ashok N. Srivastava, Ph.D., recently became the Senior Vice President and Chief Data Officer at Intuit and will be creating a global team focused on large-scale machine learning and artificial intelligence. He was formally a vice president with Verizon where his global team focused on building new revenue-generating products and services powered by big data and AI. He is a Consulting Professor at Stanford in the Electrical Engineering Department and is the Editor-in-Chief of the AIAA Journal of Aerospace Information Systems. Ashok is a Fellow of the IEEE, the American Association for the Advancement of Science (AAAS), and the American Institute of Aeronautics and Astronautics (AIAA).

Formerly he was the Principal Scientist for Data Sciences at NASA Ames Research Center and led the System-Wide Safety and Assurance Technologies project at NASA which has a five-year budget of nearly \$150M.

Srivastava has significant experience in the internet, adtech, e-commerce, banking, finance, and securities areas. He has lead major engagements as a private consultant and as Senior Director at Blue Martini Software and Senior Consultant at IBM. He is a thought leader in the area of big data analytics, social media, optimization, machine learning, and data mining and has given presentations worldwide on these subjects. He served as a Venture Advisor focusing on big-data analytics at Trident Capital, and was on the advisory board of several startups.

Srivastava is the author of more than 100 research articles in data mining, machine learning, and text mining, and has edited a book on *Text Mining: Classification, Clustering, and Applications*. Two additional books were published in 2012: *Advances in Machine Learning and Data Mining for Astronomy* and *Machine Learning for Engineering Systems Health Management*. A fourth book was released in 2017: *Large-Scale Machine Learning in the Earth Sciences*.

He has five patents awarded and more than 30 under file. He has won numerous awards including the IEEE Computer Society Technical Achievement Award for "pioneering contributions to intelligent information systems," the NASA Exceptional Achievement Medal for contributions to state-of-the-art data mining and analysis, the NASA Honor Award for Outstanding Leadership, the NASA Distinguished Performance Award, several NASA Group Achievement Awards, the Distinguished Engineering Alumni Award from the University of Colorado Boulder, the IBM Golden Circle Award, and the Department of Education Merit Fellowship.

To arrange a meeting with the speaker, please contact Bruce Hallmark (Bruce.Hallmark@colostate.edu).