

Daniel J. Epstein

Department of Industrial and Systems Engineering

2016 Eberhardt Rechtin Keynote Lecture

“Big Data & Big Analytics – Opportunities for Inter-disciplinary Innovation”

Presented by

Dr. Radhika Kulkarni

Vice President of Advanced Analytics R&D at SAS Institute Inc



Tuesday, March 29, 2016

USC Davidson Conference Center (DCC) Vineyard Room

3:30-4:30 PM Seminar

4:45-6:00 PM Refreshments (Outdoor Patio)

Abstract: Data volumes continue to increase at a rapid pace along with a need to solve complex business problems based on insight gained from hybrid sources of data. At the same time, computing power and access to multi-processor hardware configurations enables us to solve increasingly complex problems which were intractable before. Often, solutions to the most challenging problems require the invention and combination of many new techniques and algorithms which span multiple analytical disciplines such as forecasting, estimation, predictive modeling, data mining and optimization.

This presentation will provide several examples that describe some of these innovations in various industries as well as discuss trends and upcoming challenges for future research.

Radhika Kulkarni, Ph.D., is Vice President of Advanced Analytics R&D at SAS Institute Inc. She oversees software development in many analytical areas including Statistics, Operations Research, Econometrics, Forecasting and Data Mining. Kulkarni is an active member in the Institute for Operations Research and the Management Sciences (INFORMS) and serves on the Advisory Board of the Institute for Advanced Analytics at North Carolina State University, the Master of Science in Analytics Advisory Board at Georgia Tech and the Marketing Analytics and Data Mining Board at Oklahoma State University. Dr. Kulkarni is a recipient of the *Women in Operations Research and the Management Sciences (WORMS)* Award and was recognized as an *INFORMS Fellow* in 2014.

Radhika Kulkarni has a Master's in Mathematics from the Indian Institute of Technology, New Delhi and a Master's (1979) and Ph.D. (1981) in Operations Research from Cornell University.

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