



Interdisciplinary Data Sciences Consortium



* IDSC Seminar Series *

October 23, 2015 1:30-2:30pm

Location: CPR 122

Presents

Mr. Ramana Jampala, MBA

President & CEO at Avlino Inc
Avlino, 960 Holmdel Road, Building 2
Holmdel, New Jersey 07733

Title: Paradigm Shifts in Enterprise Computing – A Focus on Data Analytics

Abstract: Data is taking an ever important and central role in Enterprise decision making. No longer a background asset in the CIO office, the impact of Data spans today across all functions of Enterprises including Sales and Marketing, Finance and Operations, Manufacturing etc. Despite the significant role of Data, the Data “Value chain” is getting more complex. Data now has multi-dimensional attributes - temporal locality, time dimension, contextual relevance, and correlation. These 4 dimensions can significantly alter the value that can be drawn from data, and it is difficult to determine the relative weight of each dimension in the decision making process. How are then Enterprises then coping with the challenges of aggregating, storing, retrieving, analyzing and presenting this data efficiently? This discussion will shed light on how enterprises are moving away from compute centric, in-house infrastructure to scalable architectures that can respond to the demand dynamically. The topic will specifically focus on traditional Enterprise Data warehouse architectures and the emerging Open-source based architectures such as Hadoop Map-Reduce, Spark etc. It will conclude with a perspective on skill-sets employers will be seeking from Computer Science, Data Science, Mathematics and Statistics graduates in the next 3-5 years.



Biography: In the past 2 decades Ramana Jampala has founded, led investments, or was a Board of Director of numerous technology companies in Silicon Valley and New York/New Jersey in the United States. Ramana is currently the founding President and CEO of Avlino Inc – a Data Analytics company. Prior to Avlino, Ramana was the President and CEO of Altior Inc, which was acquired by Exar (NYSE: EXAR). Altior pioneered Hardware Acceleration solutions to the Big Data, Storage, and Networking sectors. Prior to Altior, Ramana was a General Partner with SAS Investors, a technology focused Venture Capital fund. SAS Investors invested in numerous successful companies including Tacit Networks (acquired by Packateer), Velox Semiconductors (acquired by Power Semiconductors), HydroGlobe (acquired by Graver Technologies), Textronics (acquired by Adidas), Protonex (public company) and Enpirion (acquired by Altera).

Ramana has led and served as the Board of Director on many of these investments. Ramana began his career at Rockwell Automation in the Control and Communications Group, working as a Systems Engineer for seven years. Well recognized for his accomplishments, Ramana was awarded the “Financier of the Year” in 2006 by New Jersey Technology Council, for leading more than \$250M Investments in early stage companies in New Jersey. Ramana frequently teaches *Technology Entrepreneurship* at leading Business Schools in the United States, and is a Board of Trustee of numerous Technology institutions. Ramana holds an MBA from London Business School, and graduated with distinction with a BS in Electronics Engineering from Pune University, India.

IDSC Contact:
Dr. K. Ramachandran
University of South Florida
4202 E Fowler Ave, CMC317
Tampa, FL 33620-5700
E-mail: ram@usf.edu
Telephone: (813)-974-1270
Fax: (813)-974-2700

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