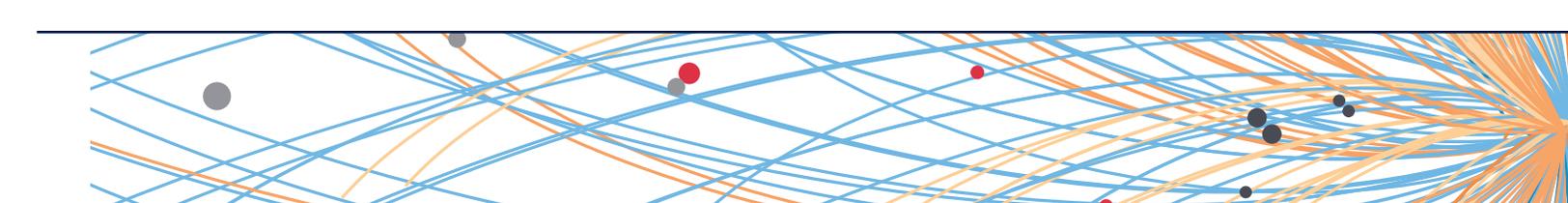


Statewide Users Group

Spring Conference
April 18th, 2019





Agenda

April 18th, 2019

9:00–10:00 am	Breakfast Assortment Hardware Committee Software Committee	BALE Area Bale Conference Room Conference Room 214
10:00–11:00 am	Breakfast Assortment Breakout Sessions: OSC Campus Champions Code Optimization Containers Client Portal	Csuri Conference Room BALE Conference Room Conference Room 208 Conference Room 214
11:00–11:45 am	OSC: Welcome and Presentation	BALE Theater
11:45 am–12:00 pm	Lunch Pick-up	BALE Lobby
12:00–12:55 pm	Keynote Address: Bob Burwell & Santosh Rao	BALE Theater
1:00–1:50 pm	Flash Talks Session 1	BALE Theater
2:00–2:50 pm	Flash Talks Session 2	BALE Theater
3:00–4:45 pm	Poster Session Hors d'Oeuvres Networking	BALE Lobby
4:45 pm	Poster and Flash Talk Winner Announcement	BALE Theater

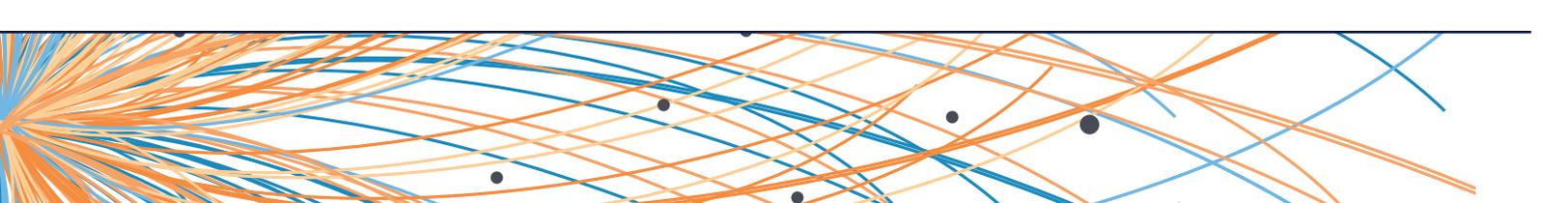
Flash Talks

Session 1

1. Forecasting elections with mathematical models of contagion spread
Alexandria Volkening | The Ohio State University
2. Control of Shock Wave Boundary Layer Interaction using Surface Morphing
Vilas Shinde | The Ohio State University
3. Stability dynamics of three-dimensional cavity flows using an optimally parallel analysis tool
Rajesh Ranjan | The Ohio State University
4. Sweeping Jet Film Cooling and Impingement Cooling for Gas Turbine Heat Transfer Application
Arif Hossain | The Ohio State University
5. Mechanistic investigations of hydrogen evolution by nickel-substituted rubredoxin: Examining the importance of secondary sphere
Sean Marguet | The Ohio State University

Session 2

6. Predictive Model for Selective Aryl C-H Chlorination
Andrew Chen | The Ohio State University
7. Use of computational simulations to determine sorption mechanisms of organic cationic contaminants in organic matter
Sharon Scott | The Ohio State University
8. Comparison of two parametric wind models in storm surge simulation
Younghun Kang | The Ohio State University
9. Modeling Liquid Crystal Elastomer Coatings Containing Defects
Youssef Golestani | Kent State University



Keynote Address

Santosh Rao

Senior Technical Director

NetApp

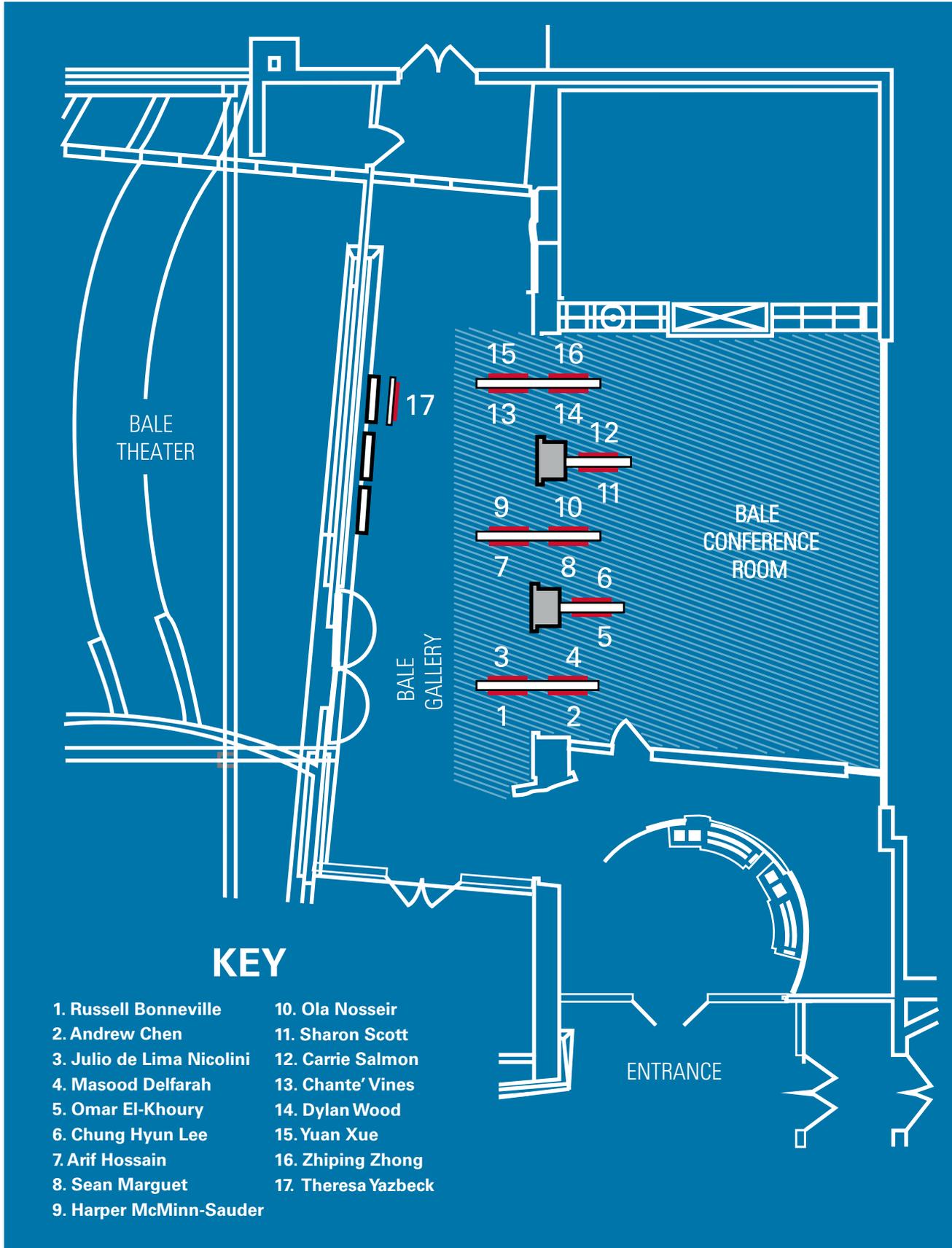
Santosh Rao is responsible for NetApp's AI and data engineering products and solutions business. He works closely with the AI solution ecosystem across GPU, compute, software, consulting and channel partners as well as customers worldwide. He is a regular speaker at various events and writes a blog on the data pipeline for AI.

He has held a number of roles within NetApp and led the original ground up development of Clustered ONTAP SAN for enterprise workloads. Over the years, he has led to market a number of follow-on products for NetApp involving data migration, virtualization, distributed systems, management by SLO, application integration and most recently, all flash SAN technologies, NoSQL and big data solutions.

Prior to joining NetApp, Santosh was a Master Technologist for HP and led the development of a number of storage and operating system technologies for HP including development of their first generation products for a variety of storage and OS technologies over the years.

Posters

- 1. Characterization of clonal evolution in microsatellite unstable metastatic cancers through multi-regional tumor sequencing**
Russell Bonneville | The Ohio State University
- 2. Predictive Model for Selective Aryl C-H Chlorination**
Andrew Chen | The Ohio State University
- 3. Model Order Reduction of Electromagnetic Particle-in-Cell Kinetic Plasma Simulations**
Julio de Lima Nicolini | The Ohio State University
- 4. Deep Learning for Reverberant Speaker Separation: An Empirical Study**
Masood Delfarah | The Ohio State University
- 5. Storm Surge Simulation due to Hurricane Harvey**
Omar El-Khoury | The Ohio State University
- 6. Computational Analysis of Electromagnetic Interactions of Multiple Antennas on the Extremely Large and Multi-scale Objects**
Chung Hyun Lee | The Ohio State University
- 7. Sweeping Jet Film Cooling and Impingement Cooling for Gas Turbine Heat Transfer Application**
Arif Hossain | The Ohio State University
- 8. Mechanistic investigations of hydrogen evolution by nickel-substituted rubredoxin: Examining the importance of secondary sphere**
Sean Marguet | The Ohio State University
- 9. Measuring honey bee utilization of Conservation Reserve Program (CRP) pollinator plantings using DNA metabarcoding**
Harper McMinn-Sauder | The Ohio State University
- 10. Phase Field Modelling of Transformation Pathway in HEA**
Ola Nosseir | The Ohio State University
- 11. Use of computational simulations to determine sorption mechanisms of organic cationic contaminants in organic matter**
Sharon Scott | The Ohio State University
- 12. Linear chlorophosphazenes: a computational study**
Carrie Salmon | The University of Akron
- 13. Evaluating Fugitive Methane Emissions from Hydraulic Fracturing using an Artificial Neural Network**
Chante' Vines | The Ohio State University
- 14. A Modeling Framework for Assessing and Communicating Environmental Risks due to Hurricanes**
Dylan Wood | The Ohio State University
- 15. DFT Calculations on Heterocyclic Substituted Phosphazene Oligomers as Metal Chelators**
Yuan Xue | The University of Akron
- 16. Viruses potentially enhance hosts cold- and salt-tolerance**
Zhiping Zhong | The Ohio State University
- 17. The effects of canopy density and spacing in modulating pollution deposition rate**
Theresa Yazbeck | The Ohio State University



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