



Data Analytics Workshop

October 3, 2017

8:00AM to 5:00PM

hosted by Rice University

Are you developing data analytics technologies or solutions?

Are you looking for data analytics-related solutions or collaboration partners?

The Technology Collaboration Center is holding a Data Analytics Workshop, hosted by Rice University, on October 3, 2017, covering a broad range of cross-industry data analytics topics.

The importance of data analytics is growing exponentially. Learning how to collect, retrieve, analyze, interpret, visualize and make sense of big data will improve efficiency and lead to deep insights, better decisions and associated actions.

This workshop may include presentations on research data analysis, advanced analytics techniques & visualizations, machine & deep learning, generating hypothesis, tools for data-driven decision making, implementations, data analytics management, and in-house & vendor training.

This event will bring together organizations from a variety of sectors to accelerate shared awareness of the rapidly changing state of the art in data analytics, with presentations on the latest advances and unmet challenges, in a format providing an opportunity for participants to network and explore potential partnerships.

At 4PM, the Ken Kennedy Institute for Information Technology has invited Jeff Dean, Google Senior Fellow, to make a presentation as part of the Institute's Distinguished Lecture Series.

Any organization can request to make a presentation on their data analytics developments or needs at the event. The deadline for submitting a presentation request is noon, September 19, unless all presentation slots have been allocated earlier.

Register at tcc-houston.org or by sending an e-mail to events@tcc-houston.org. All event participants are required to register prior to the event. Event tickets are \$50 for TCC members, and \$100 for non-members.

Please contact the TCC for sponsorship opportunities.

PRELIMINARY AGENDA:

- 8:00 – Welcome
- 8:15 – Presentation Panel Session
- 10:15 – Networking Break
- 10:30 – Presentation Panel Session
- 12:30 – Lunch
- 1:00 – TCC Overview
- 1:15 – Presentation Panel Session
- 3:15 – Networking Break
- 4:00 – Jeff Dean, Google Senior Fellow
- 5:00 – Adjourn

SCHEDULED PRESENTATIONS:

Baylor College of Medicine (TCC Member):

- Deep Learning for Neuroscience
- Generating Hypotheses

Halliburton:

- Quantum Drilling Data – Challenges in coupling With Engineering Models

KBRWyle (TCC Member):

- Data Analytics to Support Management of the Research to Spaceflight Operations Pipeline
- Immersive Data Analysis for NASA Biomedical Data
- IMPALA – An agile and advanced data analytics platform

Leader Drilling International:

- Drilling Forensics & Parametric Modeling

NASA Johnson Space Center (TCC Member):

- Data Management: First Step in Go for EVA

Rice University (TCC Member):

- Data Analytics Education
- Integrating Diverse Data

SAIC:

- Understanding the International Space Station Crew Perspective through Data Analytics and Visualization

SafeQ Services:

- Data Analytics in Asset Performance Management in the Oil & Gas Industry

Texas A&M (TCC Member):

- Real-Time Predictive Analytics for Space Situational Awareness Description

University of Houston (TCC Member):

- Ongoing Data Analytics Research Activities at UH

About the Technology Collaboration Center



The TCC helps organizations solve difficult technology problems by encouraging innovation and formation of technology development partnerships, utilizing diverse expertise from industry, academic and government organizations, across technology sectors.

The TCC has two programs to support this mission:

TCC Events: A series of events assembling organizations from diverse fields to explore opportunities for solving difficult problems through new joint development partnerships, with a focus on strategic technology areas. Any organization can attend TCC events or request to make a presentation related to the event's topic area. The TCC also partners with other organizations on events related to potential collaborations for solving technology challenges.

- 2017: April 11 – Omics Workshop, hosted by NASA at the Johnson Space Center
- June 14 – Additive Manufacturing & Advanced Materials Workshop, hosted by NASA JSC
- August 24 – Automation & Robotics Workshop, hosted by Rice University
- October 3 – Data Analytics Workshop, hosted by Rice University
- October 17-19 – EVA Technology Workshop, hosted by NASA at the JSC
- 2016: April 26 – Wearable Technologies, at the NASA Johnson Space Center
- September 21 – Radiation Technologies, at the NASA JSC
- October 12 – Remote Sensing Technologies, at the NASA JSC
- 2015: Air Quality, Knowledge Management
- 2014: Water Quality, Robotics, Telemedicine, RFID, Batteries
- JSC Connect Events (prior to launch of the TCC)

Collaboration Concierge Service: The TCC provides assistance to organizations with unmet technology challenges, helping to find new innovations and establish joint technology partnerships, solving these difficult challenges and bringing the solutions to market. Any organization can submit a Collaboration Request or Response to the TCC.

The TCC offers several types of [membership](#) with an annual cash or in-kind contribution (starting with Individual Memberships for \$100 per year), providing preferred access to the TCC's programs and an opportunity to help determine the future direction for the TCC. Depending upon membership level, event tickets & program fees are waived or discounted, and members have an opportunity to have representatives serve of the TCC's Board of Directors, Advisory Council or on the Collaboration Concierge Service's Review & Solutions Panels.

Please visit the TCC's website or contact us via e-mail or phone for more information.