

## TRANSPORTATION ENGINEERING SEMINAR

# Applications of Big Data in Transportation Operations and Planning Projects

Friday, September 25<sup>th</sup>, 2015

3:00pm to 4:30pm

Please join us in TEMPE - CAVC425



## Sanjay Paul, Ph.D., P.E.

Transportation Systems Analysis and Modeling  
Lee Engineering, LLC, Phoenix, Arizona

Big data for transportation applications has been one of the hottest topics in the last several years and is believed to influence a significant change in the art of business in both industry and government sectors. Regarding transportation engineering practices, most of the limitations in the analytical techniques and tools are tied to the available data sources and big data has a positive impact on eliminating the limitations to a great extent. Dr. Paul will present case studies where the big data concept (utilizing emerging technologies) was adopted in successful completion of his projects in the area of transportation operations and planning.

Sanjay Paul is a transportation systems modeler and has been working with Lee Engineering since 2014. Prior to this role, he worked as the Freeway Systems and ITS Analyst for the Arizona Department of Transportation. He is a registered professional engineer in the State of Arizona and holds Masters and PhD degrees from Arizona State University. He has 7 years of professional experience including teaching and research in both private and public sectors. Dr. Paul has worked on several funded projects by FHWA, DOTs, and MPOs as a principle investigator, researcher, and technical advisory committee member. He is actively involved with several professional organizations and committees including ITE, ITS, and TRB.



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