

# Association of Transportation Professionals of Indian Origin (ATPIO)

Presents a ATPIO-TRG Joint Webinar on 22<sup>nd</sup> August, 2017; TIME: 9:00 AM IST (11:30 PM ET 21<sup>st</sup> Aug)

## The Kumbh Mela Experiment (KME): Measuring and Understanding the dynamics of mankind's largest crowd - Experiences from Kumbh Mela 2016 in Ujjain

Webinar Link: [HTTPS://CONNECT.EXTENSION.IASTATE.EDU/ATPIO/](https://connect.extension.iastate.edu/atpio/)

### Speaker: Ashish Verma, PhD

Dr. Ashish Verma is a Ph.D. from IIT Bombay and currently serving as Associate Professor of Transportation Engg. at Dept. of Civil Engg., Centre for Infrastructure, Sustainable Transportation, and Urban Planning (CiSTUP), and Robert Bosch Centre for Cyber Physical Systems (RBCCPS) at Indian Institute of Science (IISc), Bangalore, India. Further, he was a Visiting Professor at ITMO University, Saint Petersburg, Russia during 2016. He has authored more than 100 research publications in the area of sustainable transportation and road safety.

He is the Founding and Current President of Transportation Research Group of India (TRG). He is presently serving as Country Representative from India, Vice Chair (Conference) of Scientific Committee, and Steering Committee Member of World Conference on Transport Research Society (WCTRS) based in University of Leeds, UK.

### About ATPIO

The **ATPIO** was established in 2004 to serve as a forum where an international community of transportation professionals that share a common heritage could come together to address relevant and emerging issues and challenges in transportation, exchange information and ideas, engage in technology transfer activities, and mentor young professionals eager to join the field. For more information, please visit <http://atpio.org/>.

For discussions, information sharing, ATPIO member directory, upcoming and past ATPIO events visit the [ATPIO Linked-in Group](#).

### Abstract

The Kumbh Mela Experiment (<http://www.the-kumbh-mela-experiment.com/>) is an ongoing Indo-Dutch collaborative research project funded jointly by Department of Electronics and Information Technology (DeitY), Govt. of India and Netherlands Organization for Scientific Research (NWO), Netherlands. The aim of the project is to use big data and Internet of Things (IOT) for understanding crowd dynamics in mass gatherings and develop crowd management solution particularly focusing on crowd risk. The project aims to deliver the core components of an entire crowd management solution, all the way from designing and building personnel devices for tracking movement (or more precisely human-to-human interaction) to developing advanced computational models to help predict how the crowd may evolve.

As name clearly suggests, the data collection was done during the recently held Kumbh Mela (Simhasth-2016) in Ujjain, M.P., India during 22<sup>nd</sup> April to 21<sup>st</sup> May 2016. This presentation on KME will explain the scientific aspects of the project and initial results of various experiments done/ongoing under the project.

### Webinar Registration

Please register for the webinar by sending emails to [atpio.secretary@gmail.com](mailto:atpio.secretary@gmail.com), with the following subject: "**Webinar August 2017 Registration**"