

MESSAGE FROM COMSNETS 2019 ITS CHAIRS

Greetings! Welcome to the 5th edition of the workshop on Intelligent Transportation Systems (ITS) that is being held on January 11, 2019, as part of COMSNETS 2019. The field of transportation systems is undergoing an exciting transition throughout the world, including India. There is increasing focus on electrification of road vehicles, increasing their autonomy and connecting them through communication infrastructure to enable safe and efficient transportation. These current themes at the frontier of ITS, are well represented by the keynote talks and paper presentations in this workshop.

Three interesting keynote talks will be delivered by leading experts. Raja Sengupta, the international keynote speaker, will share his views on the suitability of air transport for hub-to-door and door-to-door mobility. Sriram Gopalakrishnan, representing industry, will deliver a keynote address on increasing electrification of road vehicle powertrains with a focus on their affordability. Bhargava Rama Chilukuri will present a keynote address from the Indian perspective, highlighting research challenges and advancements in the study of mixed traffic settings in many emerging high-growth economies.

In addition, this workshop involves the presentation of ten papers and a panel discussion. Three papers focus on sensing, an integral part of any ITS solution, with a particular focus on heterogeneous traffic. Two papers deal with critical aspects of traffic management involving route choice and truck restriction. Considering the mixed traffic in countries such as India, two papers focus on traffic density estimation and detection of rash driving of two-wheeler vehicles. Two papers focus on the increasing application of communication networks and cloud storage in ITS. One paper focuses on advances in efficient traffic control from a coordinated systems perspective. The panel discussion, a stimulating new addition to the workshop, will have the keynote speakers and workshop participants discuss the future of ITS research and practice, with specific focus on the Indian context.

This one day ITS workshop is packed with exciting keynotes, paper presentations and panel discussion; with lively interaction among the participants. We are honoured to have the opportunity to facilitate and organize the workshop, and look forward to welcoming you in person in Bengaluru!



C. S. Shankar Ram
IIT Madras, INDIA



Lavanya Marla
UIUC, USA