

**1<sup>st</sup> Symposium on Connected Mobility, IIT Madras**  
**31<sup>st</sup> March and 1<sup>st</sup> April, 2022**  
**Organized by Connected Intelligent Urban Transportation Lab**  
**IIT Madras**

**Thu, 31st March at IIT Madras ICSR Hall 2**

Time (IST)	Session Title	Speakers	Mode
1300-1500	Connected vehicle sensors & data analytics	Hans Van Lint, TU Delft Panchamy Krishnakumari, TU Delft Lelitha Devi, IIT Madras Dasaradhi Budhi & Apoorva Radhakrishnan, Toyota Connected	Online In Person In Person In Person
1500-1530	Tea Break		
1530-1730	Traffic models using connected vehicle data	Meead Saberi, UNSW Markos Papageorgiou, TU Crete Bhargava Rama Chilukuri, IIT Madras Danjue Chen, UMass Lowell	Online Online Online In Person
1730-1800	Tea Break		
1800-2000	Connected mobility – transit, MAAS	Satish Ukkusuri, Purdue University Gonçalo Correia, TU Delft Karthik Srinivasan, IIT Madras R Rohith TCS	In Person Online In Person In Person
2000-2100	Dinner		

**Fri, 1st April at IIT Madras ICSR Hall 2**

Time (IST)	Session Title	Speakers	Mode
0800-1000	Simulators for connected environment	Srini Peeta, Georgia Tech Paresh Malalur, Cambridge Mobile Telematics Vinayak Dixit, UNSW Gitakrishnan Ramadurai, IIT Madras	Online Online  In Person In Person
1000-1030	Tea Break		
1030-1200	Vehicle - Roadway - Geometric interactions in connected environment	Atul Narayanan, IIT Madras Shankar Ram, IIT Madras Vamsee Krishna Batchu, Ford	In Person In Person In Person
1200-1300	Panel discussion on way forward	Invited panellists	
1300-1400	Lunch		
1400-2100	Informal one on one interactions in historic Mahabalipuram and Dinner by the beach		

## Thu, 31st March at IIT Madras ICSR Hall 2

### 1300-1500 Connected vehicle sensors & data analytics.

*Can we predict plausible safety statistics through traffic simulation? Definitely maybe ...* Hans Van Lint, TU Delft

*Incorporating explainability in data-driven mobility decision support system*  
Panchamy Krishnakumari, TU Delft

*Traffic sensors, data, and analytics - Some initiatives for connected and autonomous vehicles*  
Lelitha Devi, IIT Madras

*Sensor data analytics for Machine learning*  
Dasaradhi Budhi & Apoorva Radhakrishnan, Toyota Connected India

### 1530-1730 Traffic models using connected vehicle data

*Network traffic stability with CAVs*  
Meead Saberi, UNSW

*A new traffic paradigm and related opportunities in the CAV era*  
Markos Papageorgiou, TU Crete

*A Macroscopic approach to special lanes for CAVs*  
Bhargava Rama Chilukuri, IIT Madras

*Fundamental Diagrams Observed in Adaptive Cruise Control Vehicles and Self-driving Cars*  
Danjue Chen, UMass Lowell

### 1800-2000 Connected mobility – transit, MAAS

*Data Driven Solutions for Connected Mobility: Possibilities for Indian Transport*  
Satish Ukkusuri, Purdue University

*Usage of Automated Vehicles as public transport: applications and challenges*  
Gonçalo Correia, TU Delft

*To be confirmed*  
Karthik Srinivasan, IIT Madras

*Multimodal journey planning with Tripscribe*  
R Rohith TCS

**Fri, 1st April at IIT Madras ICSR Hall 2**

**0800-1000      Simulators for connected environment / Safety**

*Simulators for Autonomous and Connected Transportation*

Srini Peeta, Georgia Tech

*Making Roads Safer - Analyzing Driver Risk from Dashcam Videos*

Paresh Malalur, Cambridge Mobile Telematics

*To be confirmed*

Vinayak Dixit, UNSW

*A brief review of and opportunities for driving simulators for connected heterogeneous vehicle environment*

Gitakrishnan Ramadurai, IIT Madras

**1030-1200      Vehicle - Roadway - Geometric interactions in connected environment**

*Effect of Highway Geometry on Vehicle Dynamics and Pavement Distress*

Atul Narayanan, IIT Madras

*A perspective from Vehicle Dynamics and Control*

Shankar Ram, IIT Madras

*To be confirmed*

Vamsee Krishna Batchu, Ford

**1200-1300      Panel discussion on way forward**

### **Online Webex Webinar Details for Attendees**

Webinar topic: International Symposium on Connected Mobility

Date and time: Thursday, Mar 31, 2022 12:55 pm | (UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi

Join link:

<https://iitmadras.webex.com/iitmadras/j.php?MTID=maea6df0e2f69b1bb51e47f07f7bf15e9>

Webinar number: 2642 185 3293

Webinar password: 99Ri4m7FzaM (99744673 from phones)

Join by phone +81-34-578-4003 Japan Toll

Access code: 264 218 53293

### **Online Webex Webinar Details For Panelists**

Webinar topic: International Symposium on Connected Mobility

Date and time: Thursday, Mar 31, 2022 12:55 pm | (UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi

Join link:

<https://iitmadras.webex.com/iitmadras/j.php?MTID=maea6df0e2f69b1bb51e47f07f7bf15e9>

Webinar number: 2642 185 3293

Panelist password: adMxwZvf323 (23699983 from phones and video systems)

Join by video system Dial 26421853293@iitmadras.webex.com

You can also dial 210.4.202.4 and enter your meeting number.

Join by phone +81-34-578-4003 Japan Toll

Access code: 264 218 53293