# 1st Symposium on Connected Mobility, IIT Madras

**31st March and 1st April, 2022**

**Organized by Connected Intelligent Urban Transportation Lab**

IIT Madras

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

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<th>Time (IST)</th>
<th>Session Title</th>
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<tr>
<td>1500-1530</td>
<td>Tea Break</td>
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<td>1530-1730</td>
<td>Traffic models using connected vehicle data</td>
<td>Meed Saberi, UNSW, Markos Papageorgiou, TU Crete, Bhargava Rama Chilukuri, IIT Madras, Danjue Chen, UMass Lowell</td>
<td>Online Online Online In Person</td>
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<td>1730-1800</td>
<td>Tea Break</td>
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<td>1800-2000</td>
<td>Connected mobility – transit, MAAS</td>
<td>Satish Ukkusuri, Purdue University, Gonçalo Correia, TU Delft, Karthik Srinivasan, IIT Madras, R Rohith TCS</td>
<td>In Person Online In Person</td>
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<td>2000-2100</td>
<td>Dinner</td>
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## Fri, 1st April at IIT Madras ICSR Hall 2

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<th>Time (IST)</th>
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<td>0800-1000</td>
<td>Simulators for connected environment</td>
<td>Srini Peeta, Georgia Tech, Paresh Malalur, Cambridge Mobile Telematics, Vinayak Dixit, UNSW, Gitakrishnan Ramadurai, IIT Madras</td>
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<td>1000-1030</td>
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<td>1200-1300</td>
<td>Panel discussion on way forward</td>
<td>Invited panellists</td>
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<td>1300-1400</td>
<td>Lunch</td>
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<td>1400-2100</td>
<td>Informal one on one interactions in historic Mahabalipuram and Dinner by the beach</td>
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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