

Report on

IEEE Technical Talk Series 2021

Expert: Saiman Shetty

February 6th 2021

Title: How do Self Driving Vehicles Work



IEEE Signal Processing Society

Gujarat Section

Contents

1. Poster for the talk
2. Expert Profile
3. Glimpses of the talk
4. Memento Format
5. Video Recording Consent Form Format
6. Number of Participants

✚ Poster for the talk



IEEE Signal Processing Society Gujarat Chapter
presents
Expert Talk Series

A self-driving car, also known as an autonomous vehicle (AV), is a vehicle that is capable of sensing its environment and moving safely with little or no human input. Advanced control systems interpret sensory information to identify appropriate navigation paths, as well as obstacles and relevant signage. Join us in our Expert Talk series to know more.

How do Self-Driving Vehicles Work

6 February 2021 | 9:30 AM IST
Scan to Register



Mr. Saiman Shetty
*Robotics & AI @ Tesla, Lyft, Nuro,
San Francisco, USA*

(WebEx link will be sent to registered participants)

 ieeespsgs.org/  [ieeespsgs](https://www.facebook.com/ieeespsgs)

Expert Profile

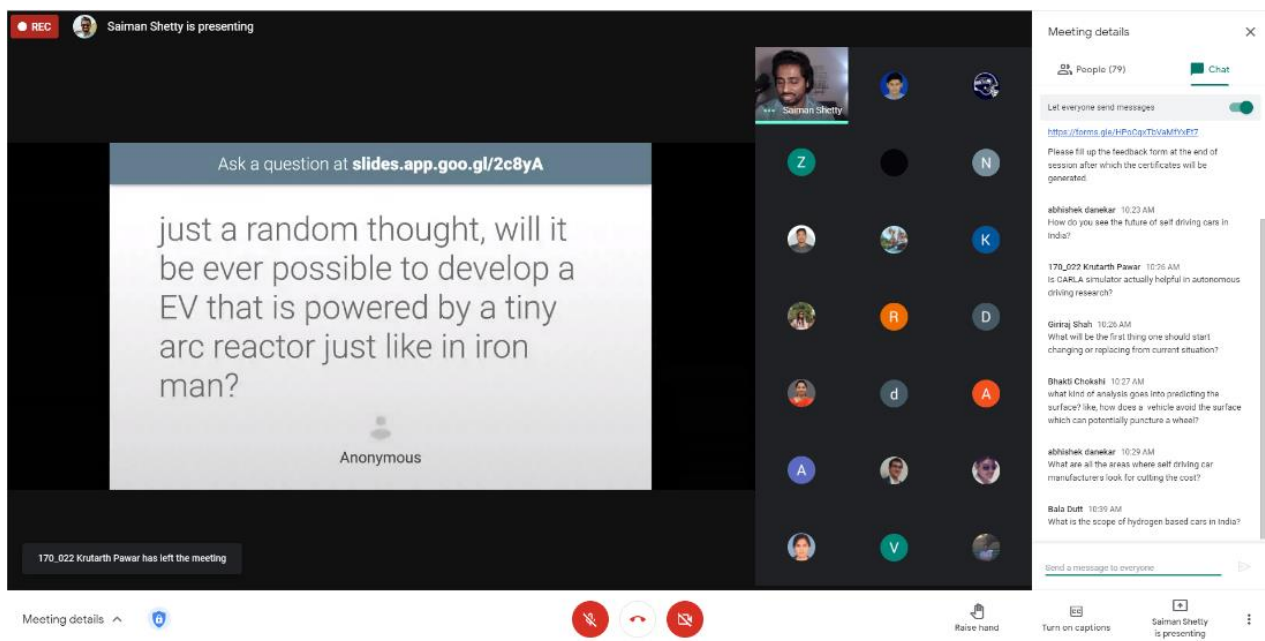
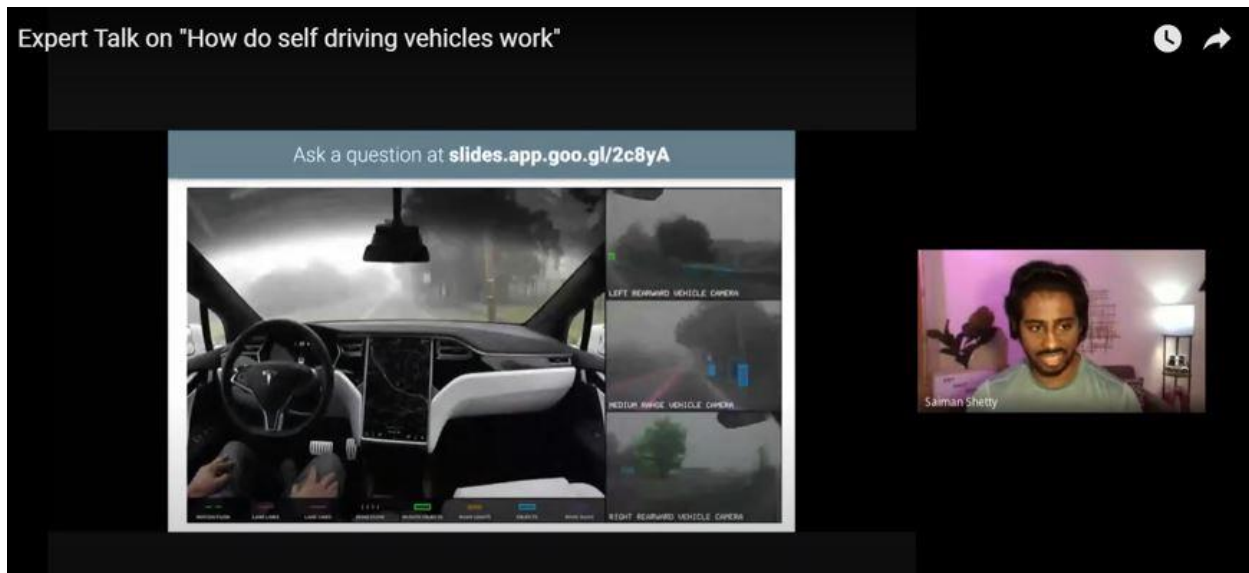


Mr. Saiman Shetty

Robotics & AI @ Tesla, Lyft, Nuro

Saiman builds robots! He helped develop and build robots and self-driving vehicles at Tesla, Lyft and Nuro. He has an MS in Control Systems from Arizona State University, and is the co-founder of ResumePuppy, a platform that helps make very elegant LaTeX resume with zero code. In the past, he has also co-founded a waste management IoT startup, Hygiea that went on to win several awards. One among those was a recognition by the Mayor of Los Angeles for his contribution to the improvement of lives of LA residents. His expertise in products and entrepreneurial work has earned the prestigious "Einstein Visa" in the United States.

Glimpses of the Talk



REC Saiman Shetty is presenting

Ask a question at slides.app.goo.gl/2c8yA

A hydrogen based car was introduced in CES , any thoughts on that?

Anonymous

Meeting details

People (83) Chat

Let everyone send messages

We will mention you over here

You 10:04 AM
<https://slides.app.goo.gl/2c8yA>

Please fill up the feedback form at the end of session after which the certificates will be generated.

abhishek danekar 10:23 AM
How do you see the future of self driving cars in india?

178_022 Kustarth Pawar 10:26 AM
Is CARL A simulator actually helpful in autonomous driving research?

gintaj shah 10:26 AM
What will be the first thing one should start changing or replacing from current situation?

Dheshi Chokshi 10:27 AM
what kind of analysis goes into predicting the surface? like, how does a vehicle avoid the surface which can potentially puncture a wheel?

abhishek danekar 10:29 AM
What are all the areas where self driving car manufacturers look for cutting the cost?

Send a message to everyone

Meeting details Meeting controls Raise hand Turn on captions Saiman Shetty is presenting

Expert Talk on "How do self driving vehicles work"

Ask a question at slides.app.goo.gl/2c8yA

LEFT REARWARD VEHICLE CAMERA

MEDIUM RANGE VEHICLE CAMERA

RIGHT REARWARD VEHICLE CAMERA

Saiman Shetty

+ Memento Format



+ Video Recording Consent Form Format

Video Recording Consent and Release Form

I hereby permit the IEEE Signal Processing Society, Gujarat Section to record my presentation in connection with my participation in the event mentioned below and (check all that apply):

- distribute it to the event attendees as a free benefit.
 post it on the event's website and the IEEE Signal Processing Society, Gujarat Section YouTube Channel provided that the presentation will be deleted from the Channel within 30 days of my request.

By signing below,

I agree to the terms stated above and hereby certify that I am 18 years of age or older.

Signature/Date

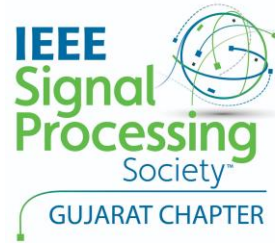
Mr. Saiman Shetty
Print Name

How to Self Driving Vehicles Work
Talk Title

6th February 2021
Date of the talk

Expert Talk
Name of the event

WebEx/Online
Name of the location/venue



+ Number of Participants

Total: 438

Report Prepared by: Prof. Arpan Desai