

Report on

IEEE SPS GS
Technical Talk Series

**Topic: Recent Development in the Field of Quantum
Machine Learning**



Expert: Mr. Srinjoy Ganguly
Founder & CEO, AdroitERA, an EdTech firm, India

January 30th 2021

Contents

1. Poster for the talk
2. Expert Profile
3. Contents Covered
4. Glimpses of the talk
5. Memento Format
6. Certificate Format
7. Feedback Form Format
8. Video Recording Consent Form Format
9. Number of Participants

+ Poster for the talk

IEEE Signal Processing Society Gujarat Chapter
presents
Expert Talk Series

Quantum machine learning is the integration of quantum algorithms within machine learning programs thereby improving and often expediting classical machine learning techniques. Join us in our monthly expert talk series to learn more.

**Recent Developments in the Field
of Quantum Machine Learning**

30 January 2021 | 4 PM IST
Scan to Register

Mr. Srinjoy Ganguly
Founder & CEO
AdroitERA (an EdTech firm)
United Kingdom

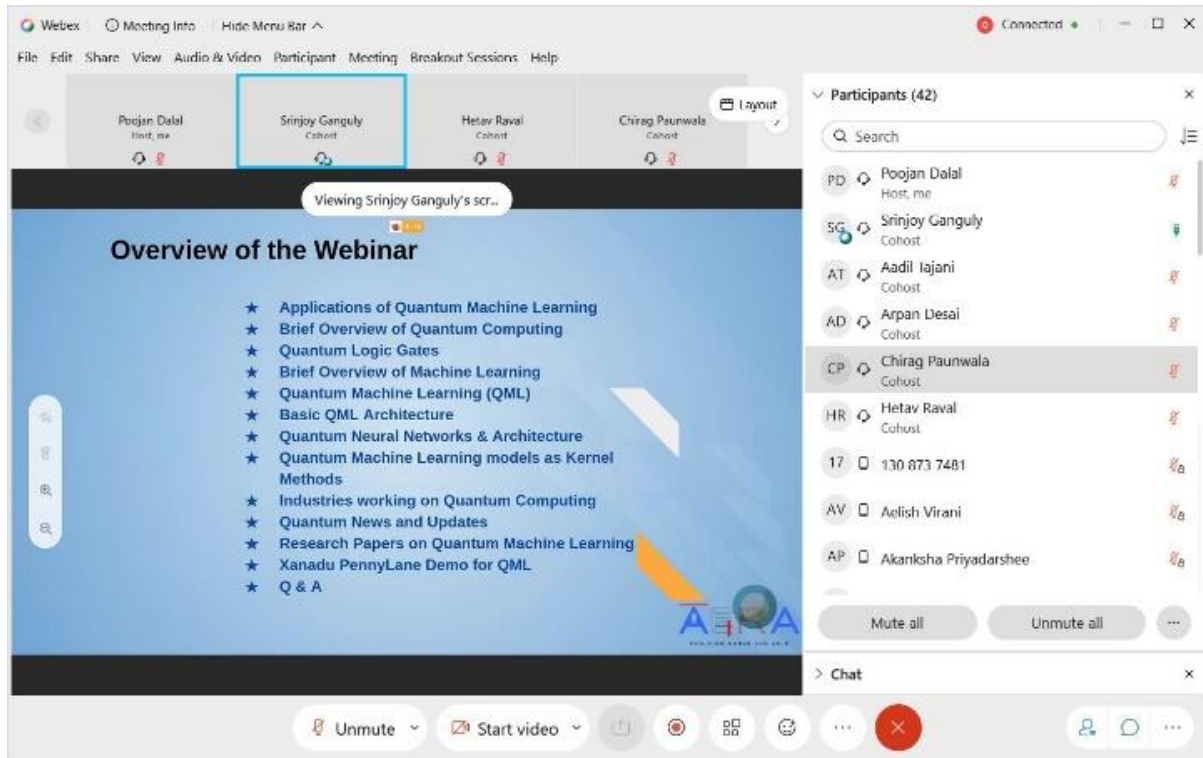
(WebEx link will be sent to registered participants)

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+ Expert Profile

Srinjoy Ganguly is the founder & CEO of AdroitERA an EdTech firm and is currently pursuing his master's in Quantum Computing Technology from Technical University of Madrid, Spain. He has over 5 years of experience in Machine Learning, Deep Learning, AI and 4 years of experience in Quantum Computing. He has finished his MSc in AI from University of Southampton and is currently leading Quantum Machine Learning study space at QWorld. He has successfully finished IBM Fall Challenge 2020 and is currently writing a book on Quantum Computing with Silq Programming. His research interests include Quantum Machine Learning, Quantum Computing, Quantum Image Processing, Machine Learning and Deep Learning.

Topics Covered During the Talk



The screenshot shows a Webex meeting interface. The main content area displays a slide titled "Overview of the Webinar" with the following topics:

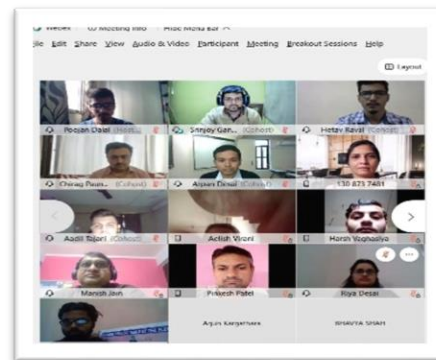
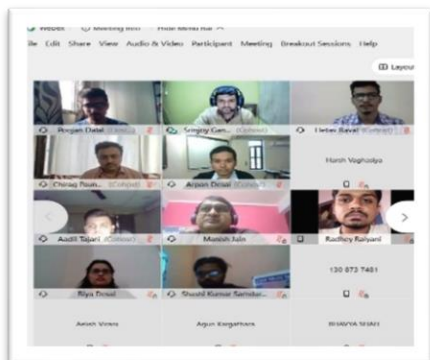
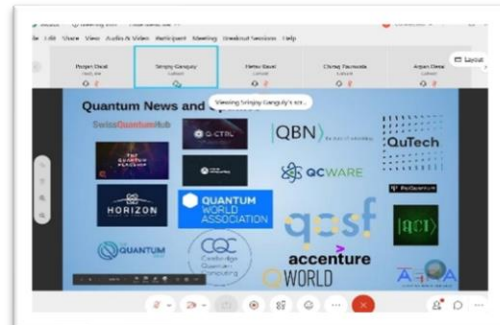
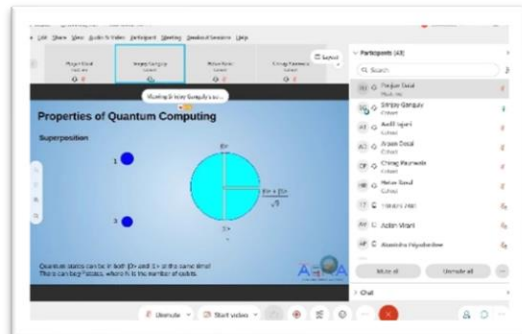
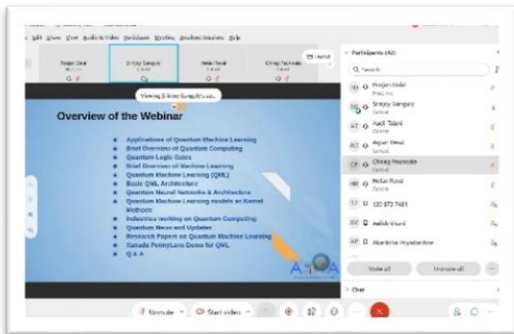
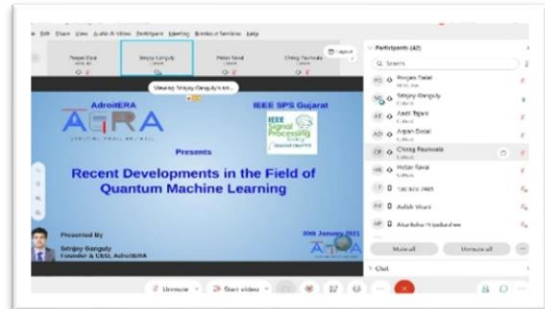
- ★ Applications of Quantum Machine Learning
- ★ Brief Overview of Quantum Computing
- ★ Quantum Logic Gates
- ★ Brief Overview of Machine Learning
- ★ Quantum Machine Learning (QML)
- ★ Basic QML Architecture
- ★ Quantum Neural Networks & Architecture
- ★ Quantum Machine Learning models as Kernel Methods
- ★ Industries working on Quantum Computing
- ★ Quantum News and Updates
- ★ Research Papers on Quantum Machine Learning
- ★ Xanadu PennyLane Demo for QML
- ★ Q & A

The interface also shows a list of participants on the right side:

Participant Name	Role	Status
Poojan Dalal	Host, me	Microphone off
Srinjoy Ganguly	Cohost	Microphone on
Aadil Iajani	Cohost	Microphone off
Arpan Desai	Cohost	Microphone off
Chirag Paunwala	Cohost	Microphone off
Hetav Raval	Cohost	Microphone off
130 673 7481		Microphone off
Aelish Virani		Microphone off
Akanksha Priyadarshree		Microphone off

At the bottom of the interface, there are controls for "Unmute", "Start video", and other meeting functions.

+ Glimpses of the talk



+ Memento Format



+ Certificate Format



+ Feedback form format

Expert Talk Feedback

1 Dissatisfied
2 Did not meet my expectations
3 Neutral
4 Slightly satisfied
5 Extremely satisfied

How do you rate our session on a scale of 1-5? *

1 2 3 4 5

How do you rate the expert on a scale of 1 to 5? *

1 2 3 4 5

Would you be interested in attending other such talks? *

Yes
 No

:::

If you are not an existing IEEE Member, would you like to become a member? *

Yes
 No
 Already a member

If you are not an existing IEEE SPS Member, would you like to become a member? *

Yes
 No
 Already a member

Any suggestions for future programs

Long answer text

+ 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.

Srinjoy Ganguly/20th January 2021

Signature/Date

Srinjoy Ganguly

Print Name

Recent Developments in the field of Quantum Machine Learning

Talk Title

30th January 2021

Date of the talk

IEEE SPS Gujarat Section

Webinar

Name of the event

Online

Name of the location/venue

Number of Participants

Total Registrations: 178

Report Prepared by: Dr. Arpan Desai,

Chair Technical Activity, IEEE SPS, GS