

ICFAI University, Jharkhand conducts Webinar on Electrical Vehicles, in association with Altair –August 14, 2020

The image shows a YouTube live stream interface. The main content is a Zoom webinar titled "8th Panel Discussion on Electrical Vehicle Technology - Trends and Career Opportunities". The video frame displays a grid of approximately 20 participants in a Zoom meeting. Below the video, the title and "7 watching now" are visible. To the right, a "Top chat" window is open, showing several comments from viewers. The comments include:

- Dr. Pravat Ranjan Pati: good afternoon
- mondanish jha: Excellent Session Sir, very informative
- Dr. A.M. Guwar Associate Professor Commerce Dept. Informative
- Dr. Manish Kumar Upadhyay: Really a nice session. Electrical vehicle boost will also give an upward acceleration to the Battery manufacturing sector.
- swatikanta pal: good session, informative
- ICFAI University ,Jharkhand: Feedback link - <https://forms.gle/za1hr502C0rgeetH>
- Sumit Sinha: outstanding session
- ICFAI University ,Jharkhand: Say something...

The YouTube interface also shows a search bar at the top, a "SHARE" button, and a "SAVE" button. The Zoom logo is visible in the bottom right corner of the video frame.

Zoom Meeting

Recording... LIVE on YouTube

Automotive – perspective 2030

Current and future enabling forces

- Electricity**
 - Electricity products
 - Battery technology cost (USD 200/kWh, 2030)
 - Charging stations (1.2020 global revenue, 2014-20)
 - Automotive battery regulation (EU, US, etc., 2021; US M.5 reg., 2020; CA 10% 20V 2020)
- Connectivity**
 - Connected mobility extending to the car
 - Vehicle safety communication mandates (S-V2X vehicle-to-vehicle, expected by 2025)
 - Communication networks growing (5G, 2020)
 - Self-driving and start-ups: Recover the remaining piece in connected world
- Autonomous driving**
 - Sensor and processing solutions
 - Communication/edge infrastructure (currently 4G stable in the US, more expected)
 - Public demonstration of autonomous driving (show benefit)
 - Self-driving and start-ups: Recover the remaining piece in connected world
- Shared mobility**
 - Consumer profile access over ownership (80% global car sharing revenue increase, 2019-20)
 - Smartphone makes it easier to connect
 - Insurance for corporations and consumers
 - Urban congestion (50% of traffic by parking)
 - Shared mobility providers offer trendy products

Altair

Participants (54)

Q. Find a participant

- S sherya anvi
- SK Shyamal Kumar Das
- SS Siddhartha Samanta
- S Sridhar
- SV Srinivasan V
- T Tanvangee
- UK Ujjwal Kumar
- VS Vandana Singh
- G Gitanjali
- NT Namra Tazeen Farooqui
- PB Pratik Biswas
- PT Prof. Tharak
- Shubham Kumar Triwari
- VK vikash kumar singh

Invite Mute All

Zoom Meeting

Recording... LIVE on YouTube

Participants (45)

1 person is waiting Message

45 participants in the meeting

Q. Find a participant

- ICFAI University J... (Host, me)
- M Madesh
- MM Manoj Menghrajani, Altair
- O orsrao
- P pandur
- D d2737001
- AS Akash Singh
- A Atharva Sundaram
- CV Chittamsetty Venugopal
- DR dr R K prasad
- DA Dr. Abhay Kumar Sinha

Invite Mute All

Zoom Meeting

ICFAI UNIVERSITY
orsrao | Madesh | Manoj Menghra... | vikash kumar si...

Recording... LIVE on YouTube

ALTAIR #OnlyForward

Participants (48)

4 people are waiting Message Admit all

- Prof Dr. Jyoti Ranjan Mohanty (Joining...)
- Prof. Tharak
- Avinash Malladi

48 participants in the meeting

Find a participant

- ICFAI University J... (Host, me)
- M Madesh (Co-host)
- MM Manoj Menghrajani, ... (Co-host)
- O orsrao (Co-host)
- P pandur (Co-host)
- I iPhone
- AH Adil HUSSAIN
- AS Akash Singh
- B Atharva Sundaram

Unmute Start Video Security Participants 52 Polls Chat 1 Share Screen Reactions More End

Zoom Meeting You are viewing pandur's screen View Options

Recording... LIVE on YouTube



iPhone

Unmute Start Video Security Participants 53 Polls Chat 1 Share Screen Pause/Stop Recording Breakout Rooms Reactions More End

Recording... LIVE on YouTube You are viewing pandur's screen View Options Exit Full Screen

About Altair

\$459M FY19 Revenue	3,000+ Engineers, researchers, and students thinkers	60,000+ Users	1985 Founded and headquartered in Troy, MI, USA	11,000+ Customers globally	86 Offices in 20 countries	150+ Software products
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A Simulation-Centric Portfolio for Design, Data Analytics, Cloud and AI.

Unmute Start Video Security Participants 55 Polls Chat Share Screen Pause/Stop Recording Breakout Rooms Reactions More End

Recording... LIVE on YouTube You are viewing pandur's screen View Options Exit Full Screen

Altair Academic Offerings for Centre of Excellence

- I. Altair Software Solutions
- II. Software Installation
- III. Faculty Development Programs/Online Training Sessions
- IV. Simulation Projects for Students
- V. Altair Virtual Internship Program
- VI. Altair Academic Programs


Unmute Start Video Security Participants 55 Polls Chat Share Screen Pause/Stop Recording Breakout Rooms Reactions More End

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Recording... LIVE on YouTube

MEMORANDUM OF UNDERSTANDING

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Zoom Meeting Recording... LIVE on YouTube

MEMORANDUM OF UNDERSTANDING

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iPhone



Zoom Meeting

Recording... **LIVE** on YouTube

COVERING THE ENTIRE ELECTROMAGNETIC SPECTRUM

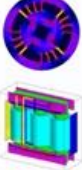
RADIO SPECTRUM

ELF VLF LF MF HF VHF UHF SHF EHF IR UV X-RAY GAMMA-RAY COSMIC-RAY OPTICAL

LOW FREQUENCY HIGH FREQUENCY

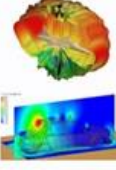
Flux and FluxMotor

Motors, Transformers



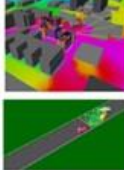
Feko and newFASANT

Antenna design and placement, EMC, RCS, bio-electromagnetics, ...



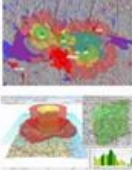
WinProp


Wave Propagation, Radio Network Planning



WRAP

Radio Communication Spectrum Management





Manoj Menghrajati, Altair

Zoom Meeting

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Towards a Zero Emission Society

Altair

EV Home Charging (easy and cheap energy)



EV Quick Charging (convenient and fast)



Zero Emissions Urban Areas (remove noise & air pollution)



Zero Emissions Road Lanes (water access for clean vehicles)



Park & Ride (combine Renewable EV Car Sharing and Public Transport)



Smart Community (EV battery acts as storage for solar & wind)





orsrao

Participants (49)

1 person is waiting [Message](#)

Pawan kumar

49 participants in the meeting

Find a participant

- ICFAI University J... (Host, me)
- pandur (Co-host)
- orsrao (Co-host)
- Madesh (Co-host)
- Hari Haran
- Akash Singh
- Avinash Malladi
- Chintu Kumar
- dr R K prasad
- Dr Rumna
- Dr. Abhay Kumar Sinha

Invite [Mute All](#)

Zoom Meeting | You are viewing pandur's screen | View Options

Recording... | LIVE on YouTube | Speaker View

Participants (44)

1 person is waiting | Message

Dr. Pravat Ranjan Pati

44 participants in the meeting

Find a participant

pandur (Co-host) | orsrao (Co-host) | Madesh (Co-host) | piyush kumar | Akash Singh | Avinash Malladi | dr R K prasad | Dr Rumna | Dr. Abhay Kumar Sinha | Dr. Loreina Pagag | Dr. Bhagabat Barik

Unmute | Start Video | Security | Participants (45) | Polls | Chat | Share Screen | Reactions | More | End

Zoom Meeting | Speaker View

Recording... | LIVE on YouTube

8th Panel Discussion on Electrical Vehicle Technology - Trends and Career Opportunities

Meeting ID: 828 6325 1952
 Host: JCFAI University Jharkhand (You)
 Invite Link: <https://us02web.zoom.us/j/82863251952>
 Copy Link
 Participant ID: 166149
 You are connected to Zoom Global Network via data centers in India.

Participants (43)

Shashi Bhushan | Srinivasan V | Sandeep Ramag... | dr R K prasad | Manoj Menghrajani... | PRADEEP KUMA... | Hari Haran | Mithilesh kumar... | Akash Singh | Satya Prakash | Sridhar | Vandana Singh | Samir Pandey | Dr Rumna | Raghunatha red...

Unmute | Start Video | Security | Participants (43) | Polls | Chat | Share Screen | Pause/Stop Recording | Breakout Rooms | Reactions | More | End

4:28 PM 8/14/2020

Recording... LIVE on YouTube Speaker View Exit Full Screen

Participants: pandur, ICFAI University Jharkhand, ivsarma, orsrao, Prof. Arvind, piyush kumar, Kaushal Kumar Sin..., MANOHAR KUMAR SL..., GIRJESH KUMAR, Madesh, Shashi Bhushan, Srinivasan V, Sandeep Ramagiri..., dr. R. K. prasad, Manoj Menghrajani..., Hari Haran, Mithilesh kumar mi..., Akash Singh, Satya Prakash, PRADEEP KUMA..., Sridhar, Vandana Singh, iPhone, Dr. Rumna, Raghunatha reddy...

Unmute Start Video Security Participants 43 Polls Chat Share Screen Pause/Stop Recording Breakout Rooms Reactions More End (Alt+Q) End

Recording... LIVE on YouTube Speaker View Exit Full Screen

Participants: pandur, ICFAI University Jharkhand, ivsarma, orsrao, Prof. Arvind, piyush kumar, Kaushal Kumar Sin..., MANOHAR KUMAR SL..., GIRJESH KUMAR, Madesh, Shashi Bhushan, Sandeep Ramagiri..., dr. R. K. prasad, Manoj Menghrajani..., Hari Haran, Mithilesh kumar mi..., Akash Singh, Satya Prakash, PRADEEP KUMA..., Sridhar, Vandana Singh, iPhone, Dr. Rumna, Raghunatha reddy..., Viranshu

Mute Start Video Security Participants 42 Polls Chat Share Screen Pause/Stop Recording Breakout Rooms Reactions More End