



Koneru Lakshmaiah Education Foundation

(Category -1, Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

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Department of Mechanical Engineering International Conference on Innovations and Challenges in Mechanical Engineering (ICICME-2023) Report

Brochure

International Conference on Innovations and Challenges in Mechanical Engineering ICICME-2023

REGISTRATION FORM

Name.....

Designation.....

Name and Address of the Organization
.....

Phone No.:

E-Mail:.....

Category: Research Scholar/Student/Faculty Member/
Industry personnel/ Non-Presenting Member

Presenting Paper: Yes/No

Registration Details:

Submit your paper to following mail-ID & Link:
icicme2023@kluniversity.in

Link for Paper formatting & Submission:
<https://forms.gle/TvfhB5EBLzWPkb7r6>

Link for Registration:
<https://forms.gle/HNL28k4HWAKCxiTs7>

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Keynote Speakers:

Dr. Te-Wei Chiu
National Taipei University of
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Dr. Kamaruzzaman Sopian
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For Further Correspondence

Dr. K. V D Rajesh, Dr P Rajkumar

Organizing Secretaries, ICICME-2023

Email: icicme2023@kluniversity.in

Mobile: +91-9908266894, +91-96403 46026

International Conference
on Innovations and
Challenges in Mechanical
Engineering
ICICME-2023
(Hybrid Conference)

15th and 16th May 2023

Organized
By
Department of Mechanical
Engineering
Koneru Lakshmaiah Education
Foundation
(Deemed to be University)
Vaddeswaram, Guntur Dist.,
522302,
A.P., INDIA
www.kluniversity.in

Scope of Conference

A number of proven personalities from Industry, Research Organizations and Academic Institutions have given their consent to grace the conference to emphasize the benefits of Innovations and Challenges in Mechanical Engineering for a wide variety of engineering applications.

Call for Papers

ICICME-2023 invites papers related to various techniques on Innovations and Challenges in Mechanical Engineering for presentation. The papers and invited talks by eminent practicing engineers are expected to benefit the participants.

Conference Proceedings

All accepted abstracts would be published in the Conference Proceedings with ISBN.

All accepted peer reviewed full length papers presented in ICICME-2023 will be published in Scopus/WoS/ Scpus & WoS Journals with an additional amount.

Conference Theme

Innovations and Challenges in Mechanical Engineering:

- Industry4.0
- Applied Mechanics
- Thermal and Fluid Flow
- Computer aided engineering design
- Energy Engineering & Alternate Fuels
- Industrial Tribology
- Machine Design
- Industrial Internet of Things
- Industrial Engineering and optimization
- Robotics and Automation
- Dynamics and Vibration control
- Industrial Engineering and optimization

- Autonomous vehicles
- Green Manufacturing
- Refrigeration and Heat Transfer Systems
- Material Characterization
- Manufacturing Techniques
- Rapid Prototyping
- Polymers and Composites
- Industrial applications of CFD
- Digital Manufacturing.
- Modeling of Manufacturing Systems.
- Smart Materials

Koneru Lakshmaiah Education Foundation

The Koneru Lakshmaiah Charities was established as a trust in the year 1980 with its official address at Museum Road, Governorpet, Vijayawada, Andhra Pradesh 520 002 and started KL College of Engineering in the Academic year 1980-81.

KL Deemed to be university was established in 1980-81, as KL College of Engineering, which was upgraded to KL College of Engineering Autonomous in 2006 by UGC, and was declared as a Deemed to be University in 2009 by UGC, MHRD Govt. of India. In 2012 as a Deemed to be University the institution was accredited by NAAC with A Grade and later in 2018, was re-accredited by NAAC with A++ grade. In 2019 UGC, MHRD declared this institution as Category I Institution. The university was also ranked 27th in NIRF 2022 rankings.

Guidelines for paper submission

- Experimental investigation with specific conclusions
- Original Contribution, not published earlier
- Case studies of industrial importance
- Simulation studies with practical demonstration/result
- Design of Instruments/Systems/Software.

About the Department

The Mechanical Engineering Department at KLEF is dedicated to providing high-quality education and research opportunities in the field of mechanical engineering. The department is equipped with state-of-the-art laboratories and workshops to facilitate hands-on learning experiences for students. The faculty members are highly qualified and experienced professionals who are committed to providing quality education and mentorship to students. The department offers undergraduate, postgraduate, and research programs that are designed to equip students with the necessary knowledge and skills to excel in the industry. The department also encourages students to participate in research projects and industrial collaborations to stay up-to-date with the latest technological advancements in the field.

Dates to Remember

- Abstract Submission: 25th April 2023
- Acceptance notification: 30th April, 2023
- Submission of Camera-ready paper along With Registration form : 06th May, 2023
- Registration of accepted papers:
 - 7th May, 2023
- Intimation of Program Schedule:
 - 10th May, 2023

Registration Fee

Minimum one author per paper should register for presenting the work

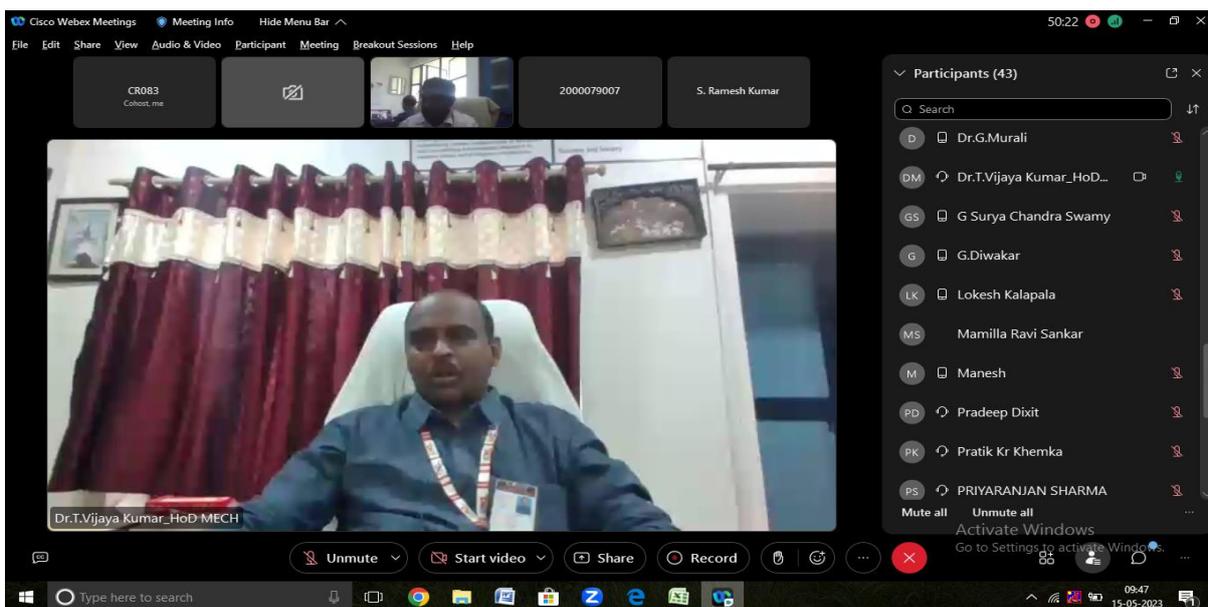
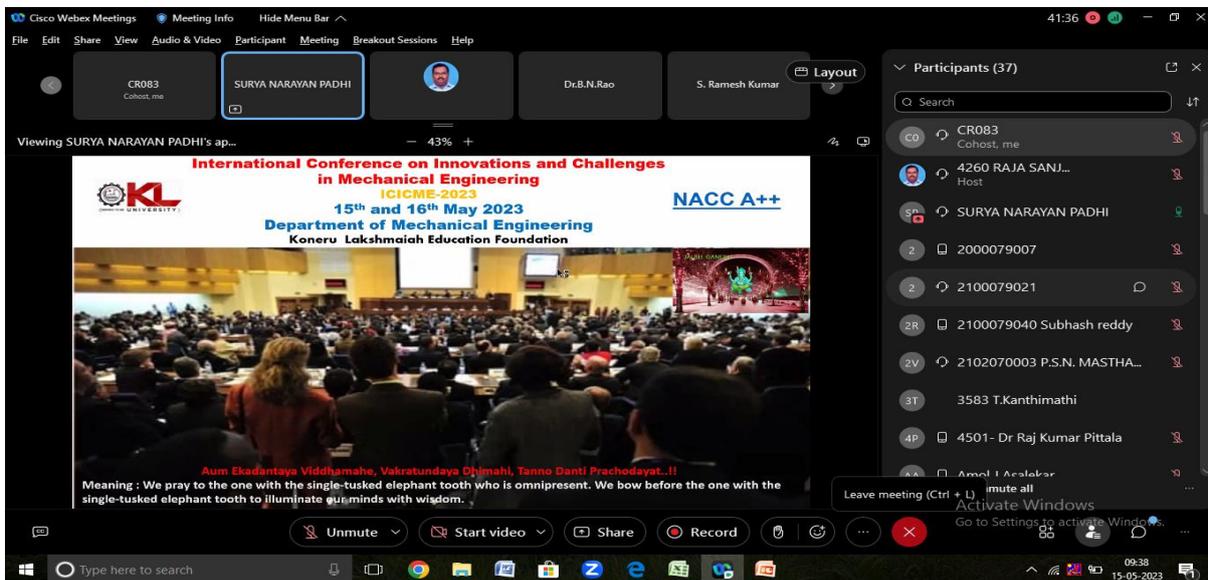
- UG or PG Student: Rs. 1000 / \$20
- Research Scholar and Faculty Member: Rs. 1500/\$25
- Industry Persons : Rs. 2000/ \$30



Day-1 (15-05-2023)

Inaugural Session Report

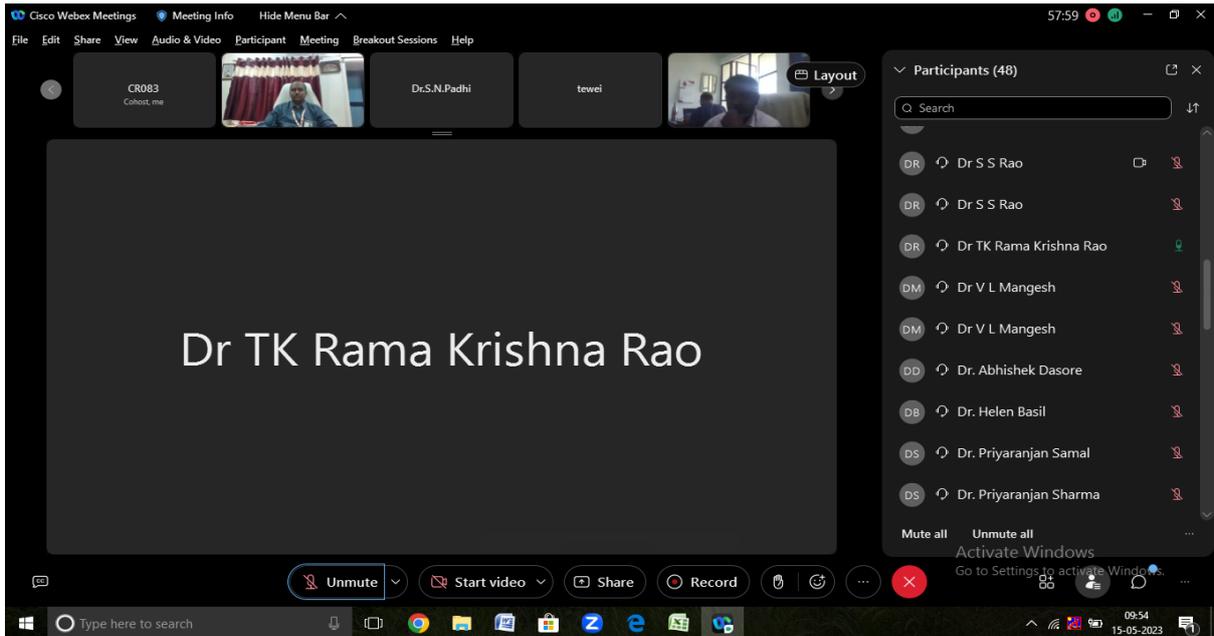
International Conference inaugural function started at 9:30 A.M. Co-Convener Dr. S. N. Padhi invited Convener, Co-Convenors, Faculty, Students and participants for conference and then Convener Dr. T. Vijaya Kumar addressed about Conference. Convener presented details about keynote speakers of ICICME-2023. Total 6 Keynote lecture sessions planned on this 2 days conference. 46 participants are going to present their research work.





Principal address

Dr. T. K. Rama Krishna Rao, Principal College of Engineering addressed conference gathering and congratulated Team ME for organising this conference and welcomed all participants and keynote speakers for being a part in this conference.



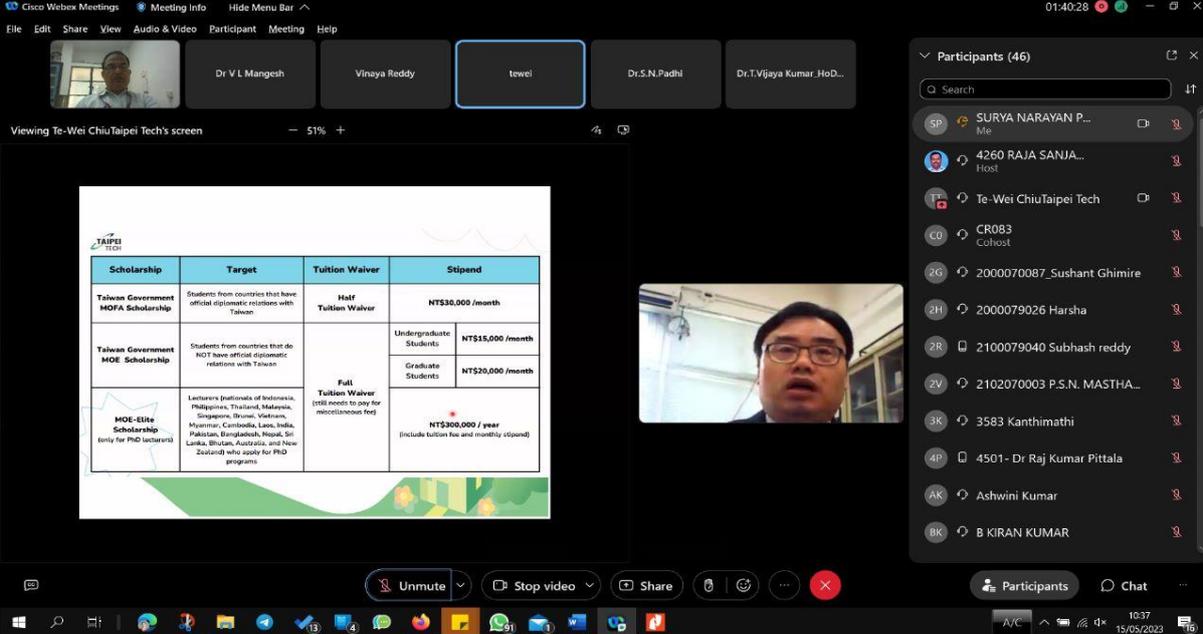
Keynote Session-1





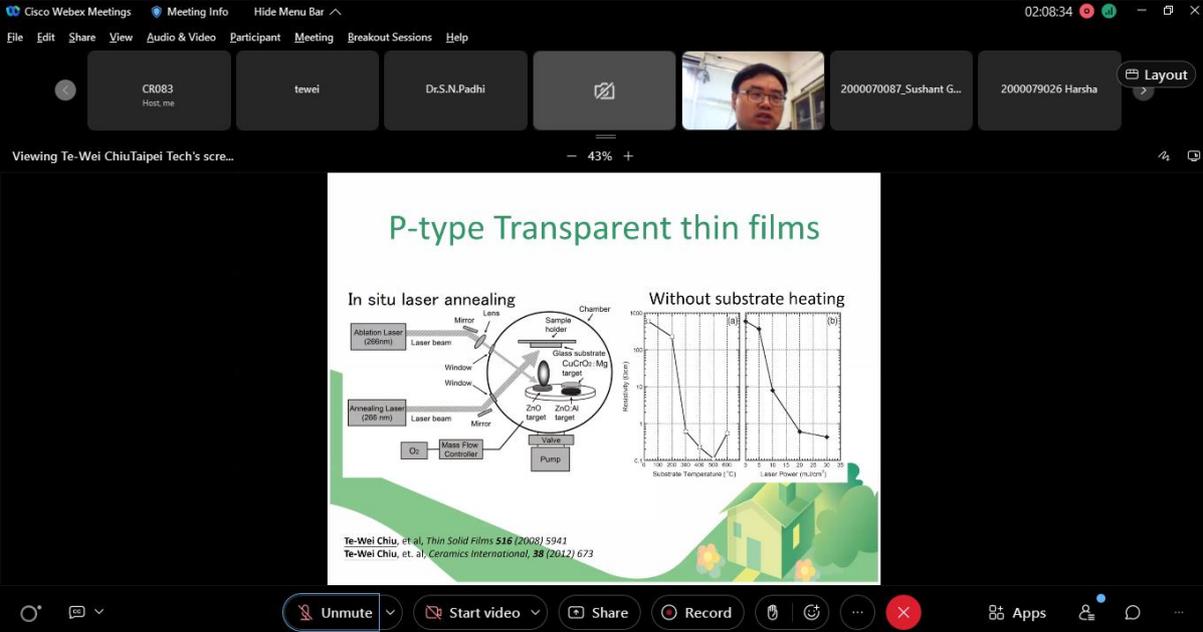
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Dr.Te-Wei Chiu, Department of Materials and Mineral Resources Engineering, National Taipei University of Technology (Taipei Tech) presented keynote address on “Novel function of Cu-based Delafossite materials”.



Scholarship

Scholarship	Target	Tuition Waiver	Stipend
Taiwan Government MOFA Scholarship	Students from countries that have official diplomatic relations with Taiwan	Half Tuition Waiver	NT\$30,000 / month
Taiwan Government MOE Scholarship	Students from countries that do NOT have official diplomatic relations with Taiwan	Full Tuition Waiver (Still needs to pay for miscellaneous fee)	Undergraduate Students: NT\$15,000 / month
MOE-Elite Scholarship (only for PhD students)	Lecturers (Professors) of Indonesia, Philippines, Thailand, Maldives, Singapore, Brunei, Vietnam, Myanmar, Cambodia, Laos, India, Pakistan, Bangladesh, Nepal, Sri Lanka, Bhutan, Australia, and New Zealand) who apply for PhD programs		Graduate Students: NT\$20,000 / month
			NT\$300,000 / year (Include tuition fee and monthly stipend)



P-type transparent thin films

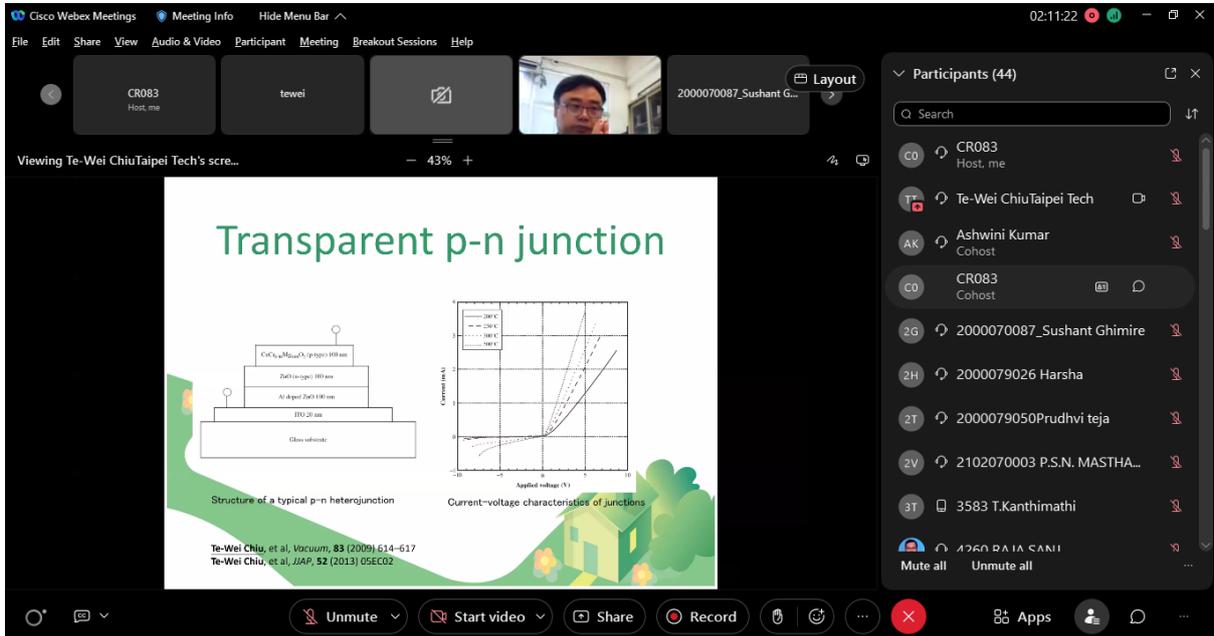
In situ laser annealing

Without substrate heating

Te-Wei Chiu, et al, *Thin Solid Films* 516 (2008) 5941
 Te-Wei Chiu, et. al, *Ceramics International*, 38 (2012) 673



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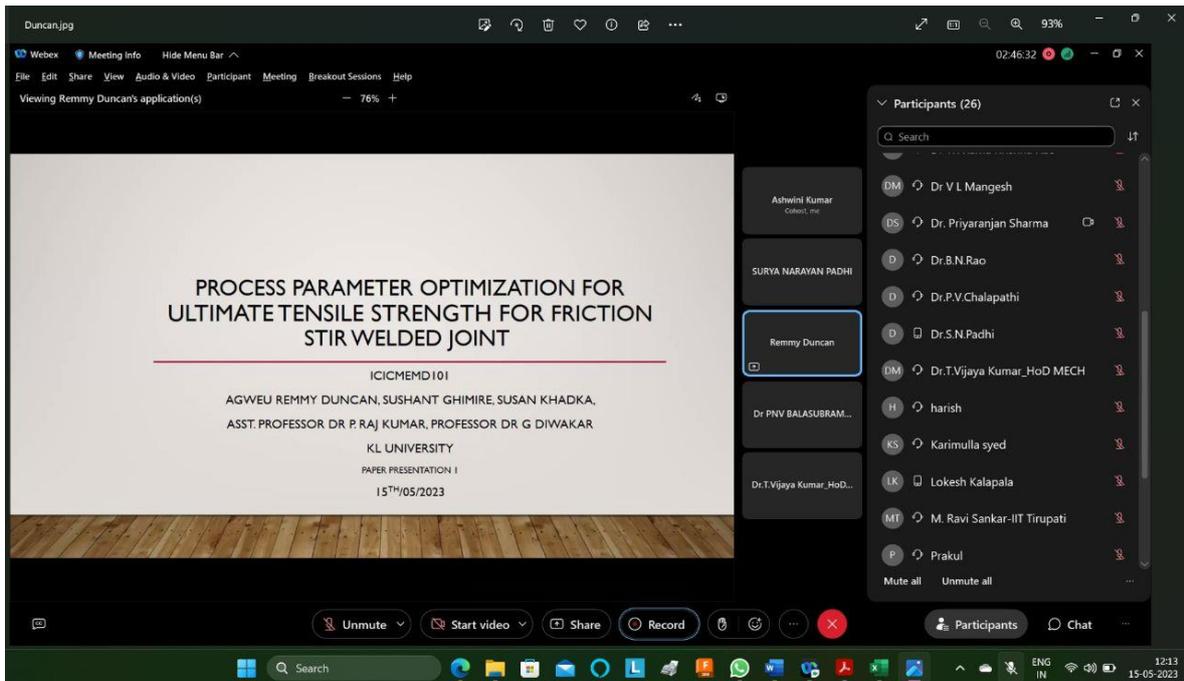


The screenshot shows a Cisco Webex meeting interface. The main content is a presentation slide titled "Transparent p-n junction". The slide includes a diagram of a p-n heterojunction structure with layers: GaIn_{0.52}As_{0.48} (p-type) 0.05 μm, ZnTe (cap) 100 nm, Al_{0.97}Zn_{0.03} (n) 20 nm, and GaAs substrate. It also features a graph of Current (mA) vs. Applied voltage (V) showing characteristics for ZnTe, p-n junction, and n-type. The slide lists references: Te-Wei Chiu, et al, *Vacuum*, 83 (2009) 614-617 and Te-Wei Chiu, et al, *JJAP*, 52 (2013) 05EC02. The meeting interface shows participants on the right and controls at the bottom.

At last, he clarified doubts raised by participants.

Paper presentations on Day-1 (FN)

Track-1



The screenshot shows a Cisco Webex meeting interface. The main content is a presentation slide titled "PROCESS PARAMETER OPTIMIZATION FOR ULTIMATE TENSILE STRENGTH FOR FRICTION STIR WELDED JOINT". The slide lists the presenter as Remy Duncan, ICICMEMD101, and the authors as AGWEU REMMY DUNCAN, SUSHANT GHIMIRE, SUSAN KHADKA, ASST. PROFESSOR DR. P. RAJ KUMAR, PROFESSOR DR. G. DIWAKAR, KL UNIVERSITY. The slide also indicates it is a paper presentation for the 15th/05/2023. The meeting interface shows participants on the right and controls at the bottom.



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The screenshot shows a Zoom meeting window with a PowerPoint presentation titled "FRICTION STIR WELDING ILLUSTRATION". The slide content includes:

- FRICITION STIR WELDING ILLUSTRATION**
- Schematic of FSW**: A diagram showing a pin tool rotating and moving along a workpiece. Labels include: "Tool rotation", "Pin tool shoulder", "Pin tool pin", "Welding direction", "Pre-heat zone", "Initial deformation zone", "Extrusion zone", "Fringing zone", and "Cool down zone".
- Practical illustration of FSW setup**: A photograph of the physical welding process.

The meeting interface shows the following participants: Ashwini Kumar, Dr V L Mangesh, and Remy Duncan. The meeting controls at the bottom include Unmute, Start video, Share, and Record buttons.

The screenshot shows a Zoom meeting window with a PowerPoint presentation titled "FEASIBILITY ANALYSIS AND COMPARISON OF A WIND FARM BASED ON ACTUAL AND RET SCREEN GENERATED DATA ON LONDON ARRAY OFFSHORE WIND FARM". The slide content includes:

- FEASIBILITY ANALYSIS AND COMPARISON OF A WIND FARM BASED ON ACTUAL AND RET SCREEN GENERATED DATA ON LONDON ARRAY OFFSHORE WIND FARM.**
- A paper on Energy Management**
- By Sushant Ghimire, SN Padhi, ICICMEMD102**

The meeting interface shows the following participants: Ashwini Kumar, Dr PNV BALASUBRAMANYAM, 2000070087_Sushant Ghimire, and Dr V L Mangesh. The meeting controls at the bottom include Unmute, Start video, Share, and Record buttons.



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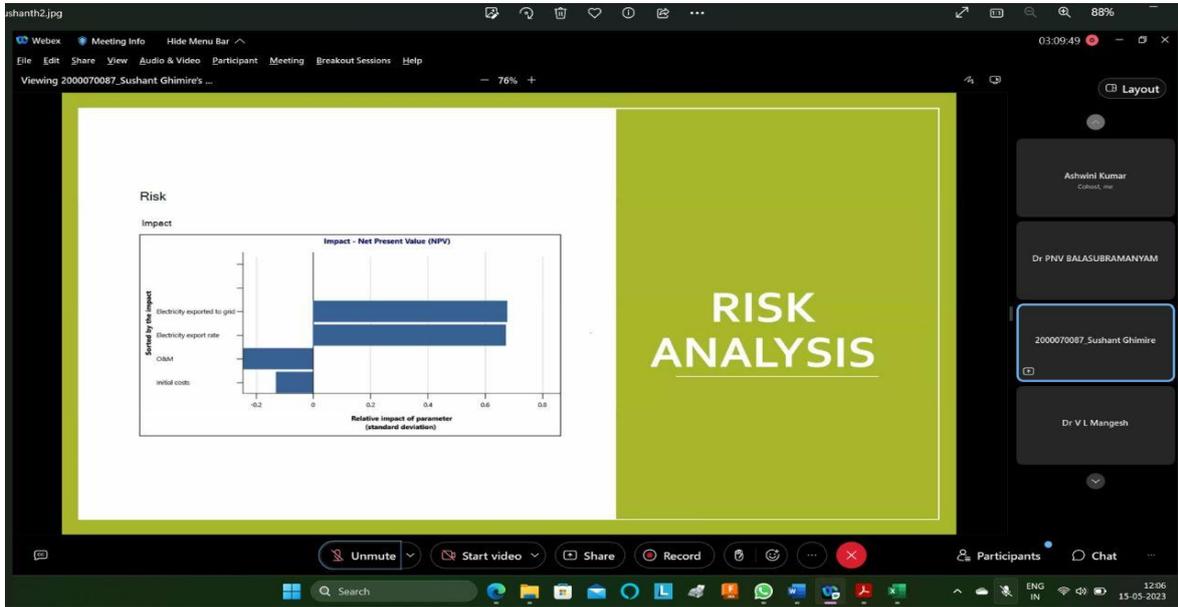
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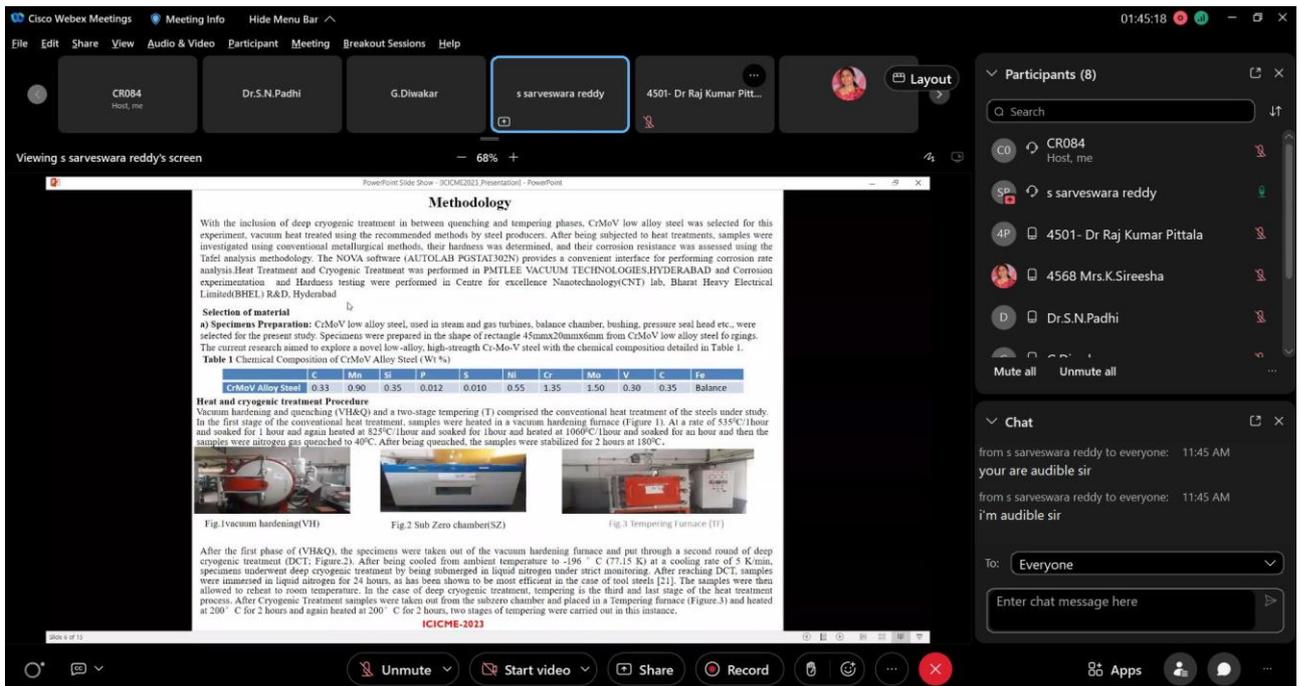
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The screenshot shows a Zoom meeting window with a presentation slide titled "RISK ANALYSIS". The slide features a bar chart titled "Impact - Net Present Value (NPV)" showing the relative impact of various parameters. The y-axis lists parameters: Electricity exported to grid, Electricity export rate, O&M, and Initial costs. The x-axis represents the "Relative impact of parameter (standard deviation)" ranging from -0.2 to 0.8. The bars show that "Electricity export rate" has the highest positive impact (approx. 0.7), while "Initial costs" has a negative impact (approx. -0.15). The other two parameters have very low impacts near zero.

Track-2



The screenshot shows a Zoom meeting window displaying a PowerPoint slide titled "Methodology". The slide describes the heat and cryogenic treatment procedure for CxMoV alloy steel. It includes a table of chemical composition and three photographs of the experimental setup.

Table 1 Chemical Composition of CxMoV Alloy Steel (Wt %)

	C	Mn	Si	P	S	Ni	Cr	Mo	V	C	Fe
CrMoV Alloy Steel	0.33	0.90	0.35	0.012	0.010	0.55	1.35	1.50	0.30	0.35	Balance

Fig. 1 Vacuum hardening (VH) **Fig. 2** Sub Zero chamber (SZ) **Fig. 3** Tempering Furnace (T)



Track-3

Keynote Session-2

Dr. Mamilla Ravi Sankar, Associate Professor, Department of Mechanical Engineering, Indian Institute of Technology, Tirupati, presented keynote address on “Micromachining, Texturing and Finishing using Biological Micro Organisms”. He explained about post processing of additive manufacturing, micromachining and Nano finishing, Bio Micromachining, Sustainable Machining etc.,

At last, he clarified doubts raised by participants.

Keynote Session-3

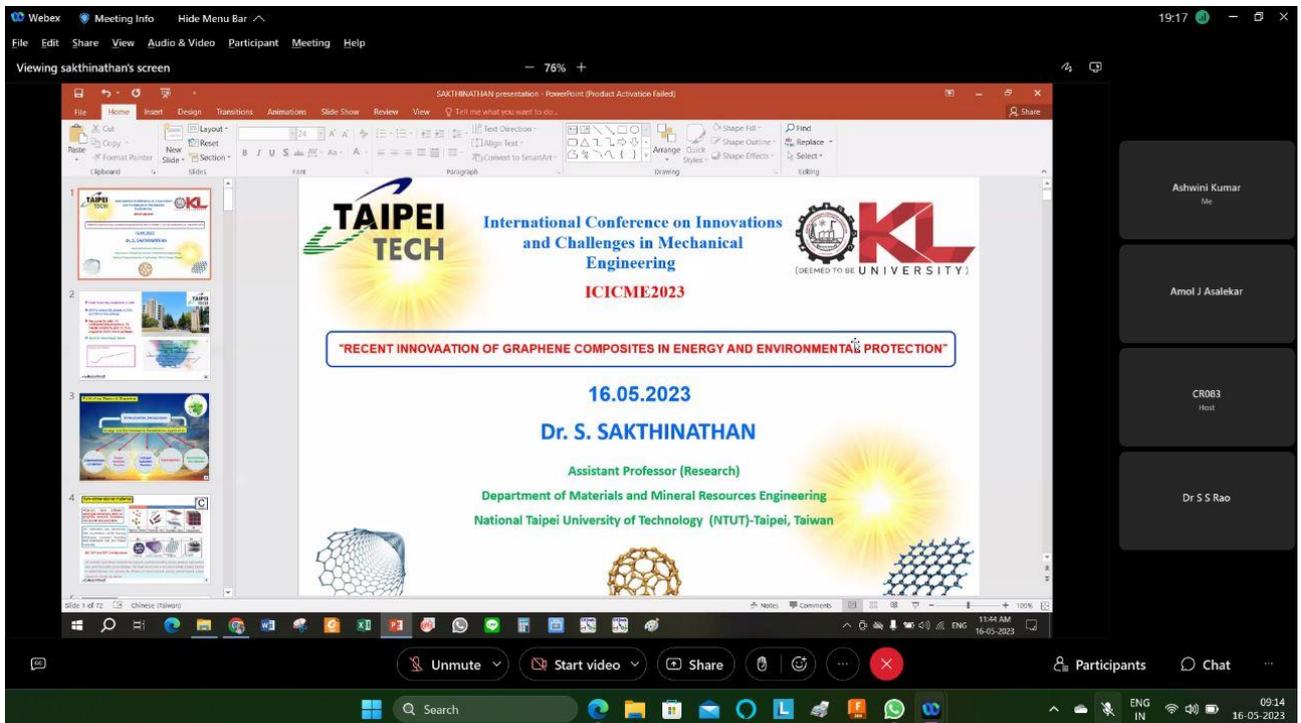
Dr. Helen Basil, Former ISRO Scientist, presented keynote address on “Autonomous Vehicle Navigation”. She explained about Inertial Navigation System, Challenges in Autonomous vehicle navigation in detail.

At last, she clarified doubts raised by participants.



Day-2 (16-05-2023)

Keynote Session-4



Dr. S. Sakthinathan, Assistant Professor (Research), Department of Materials and Mineral Resources Engineering, National Taipei University of Technology (NTUT), Taiwan, presented keynote address on “Recent Innovation of Graphene composites in Energy and Environmental Protection”. He explained recent innovations of Graphene composites in energy and environmental protection in detail.



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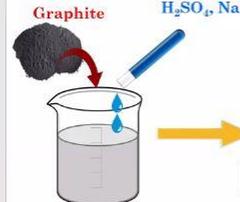
Webex Meeting Info Hide Menu Bar
35:19

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SAKTHINATHAN presentation - PowerPoint (Product Activation Failed)
Share

Graphite



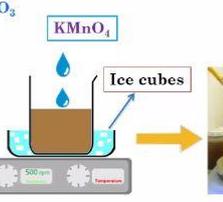
Hummers method

Oxidants: $\text{KMnO}_4, \text{H}_2\text{SO}_4, \text{NaNO}_3$

Advantages: It is better than slauden maier methods

Disadvantages: oxidation is incomplete. Tedious separation and purification

Modified Hummers method



Oxidants: $\text{KMnO}_4, \text{H}_2\text{SO}_4, \text{S}_2\text{O}_8^{2-}$

Advantages: Oxidation improved

Disadvantages: Easy separation and purification. C/O ratio high



Slide 8 of 72
12:00 PM 16-05-2023

Unmute
Start video
Share
Participants
Chat

Webex Meeting Info Hide Menu Bar
01:10:17

File Edit Share View Audio & Video Participant Meeting Breakout Sessions Help
76%
Layout

Viewing sakthinathan's screen
76%
Layout

SAKTHINATHAN presentation - PowerPoint (Product Activation Failed)
Share

- ✓ Hydrogen (H₂) is an important alternative fuel with a high energy density and could replace petroleum in the future. H₂ is currently the most preferred alternative green energy carrier. It is ideal for storage of energy, and it can quickly be turned into various forms of energy for consumers.
- ✓ H₂ is used as a fuel in automobiles, fuel cells, and aerospace industries by transforming chemical energy into electrical energy.
- ✓ Furthermore, H₂ is a prospective fuel, it is produced as a by-product of the reaction of carbon dioxide with water. At present, the predominant method for H₂ production is the non-renewable steam reforming process, which increases fossil fuel usage and carbon dioxide emission.
- ✓ Among the other H₂ production methods, water splitting technology is the most favorable, environmental-friendly, and efficient for H₂ generation.
- ✓ Over the past decade, more research has focused on the development of storage technologies, including alternative green energy conversion, water separation, fuel cells, and metal-air batteries, to address the growing global energy crisis and related environmental issues.



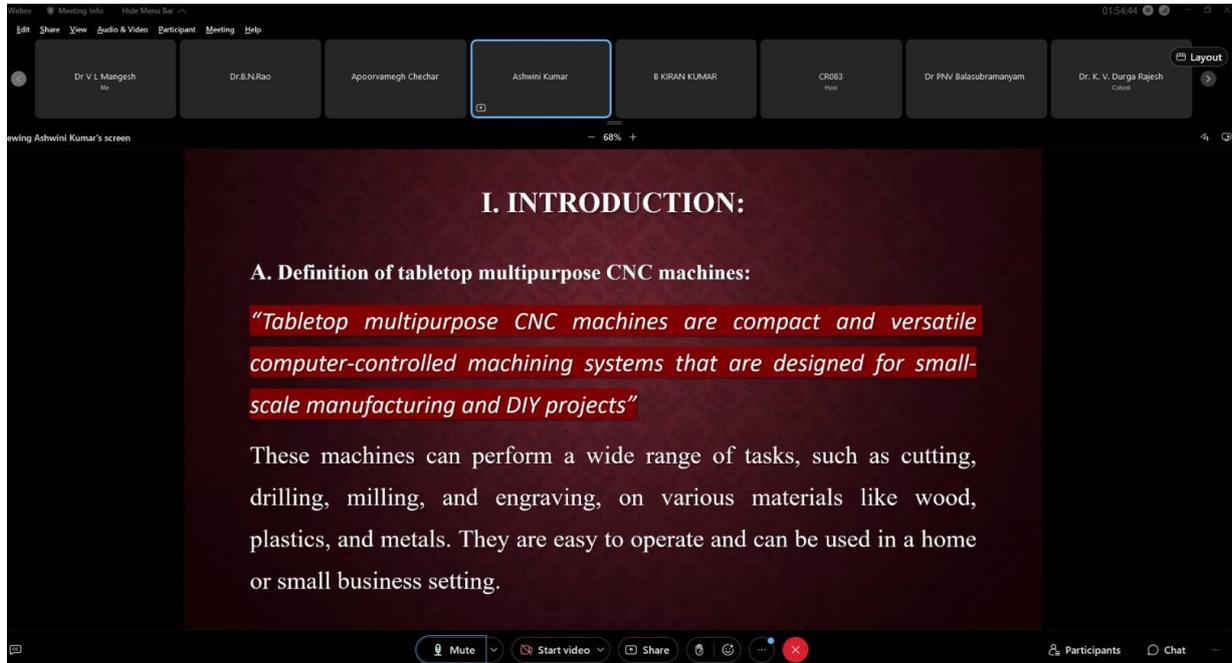

Slide 51 of 52
12:35 PM 16-05-2023

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Start video
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Record
Participants
Chat

At last, he clarified doubts raised by participants.

Paper presentations on Day-2 (FN)

Track-1

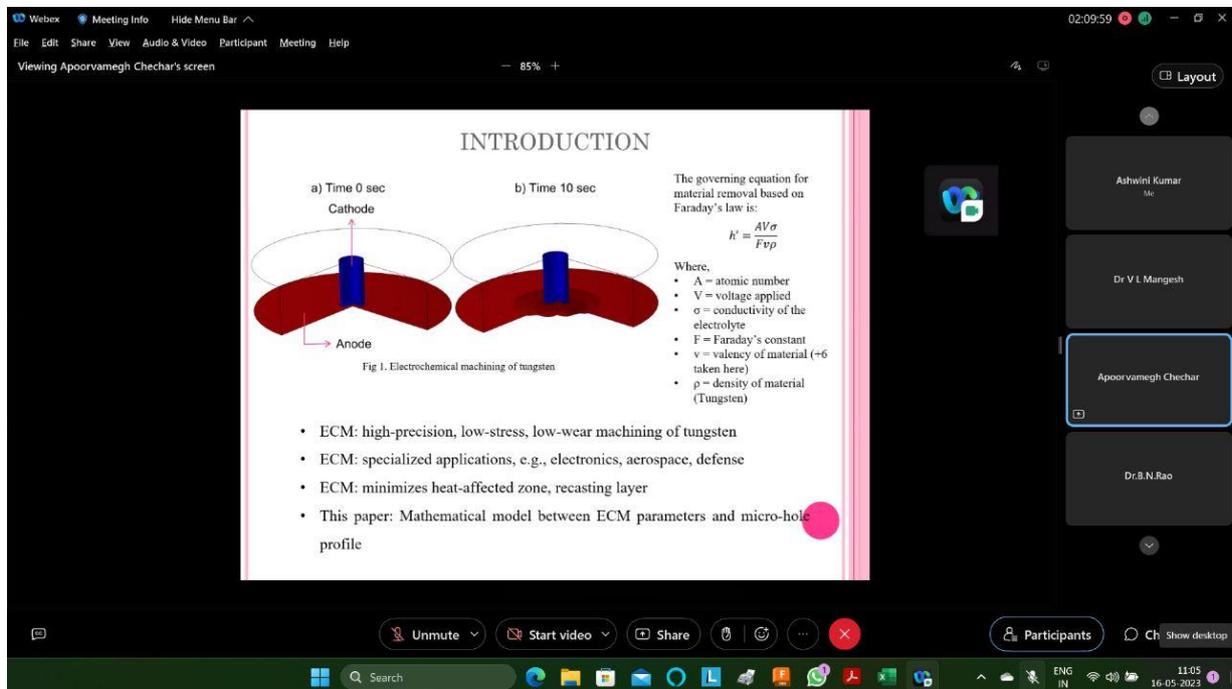


I. INTRODUCTION:

A. Definition of tabletop multipurpose CNC machines:

"Tabletop multipurpose CNC machines are compact and versatile computer-controlled machining systems that are designed for small-scale manufacturing and DIY projects"

These machines can perform a wide range of tasks, such as cutting, drilling, milling, and engraving, on various materials like wood, plastics, and metals. They are easy to operate and can be used in a home or small business setting.



INTRODUCTION

a) Time 0 sec
Cathode

b) Time 10 sec

Anode

Fig 1. Electrochemical machining of tungsten.

The governing equation for material removal based on Faraday's law is:

$$k' = \frac{AV\sigma}{Fvp}$$

Where,

- A = atomic number
- V = voltage applied
- σ = conductivity of the electrolyte
- F = Faraday's constant
- v = valency of material (+ve taken here)
- ρ = density of material (Tungsten)

- ECM: high-precision, low-stress, low-wear machining of tungsten
- ECM: specialized applications, e.g., electronics, aerospace, defense
- ECM: minimizes heat-affected zone, recasting layer
- This paper: Mathematical model between ECM parameters and micro-hole profile



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Characterization and Fabrication of AZ91E Hybrid Matrix Composites of Metal With Different Reinforcement - Fly Ash / ZrO₂

by
Gari Surya Chandra Swamy
Under the Guidance of
Dr. K. V. Durga Rajesh
Professor
Paper ID: ICICMEMD128

KL
UNIVERSITY
DEPARTMENT OF MECHANICAL ENGINEERING
KL UNIVERSITY
GUNTUR

Track-2

Meeting Info

Dr.S.N.Padhi (Me) | **Pratik Kr Khemka** | G.Diwakar | AZHARUDDIN SH... | CR084 (Host) | Daniel

Viewing Pratik Kr Khemka's application

100%

Materials and Methods

For this study, the primary tool employed was a plastic bubble column that had a diameter of 2.36 inches and a height of 20 cm. The column contained a fixed volume of 400 ml of absorbent solution and was fitted with a 1/2-inch diameter pipe. Other equipment used included sample bags for collecting biogas input and output, a gas flowmeter, and a gas analyzer for analyzing the gas.

The schematic diagram

Setup



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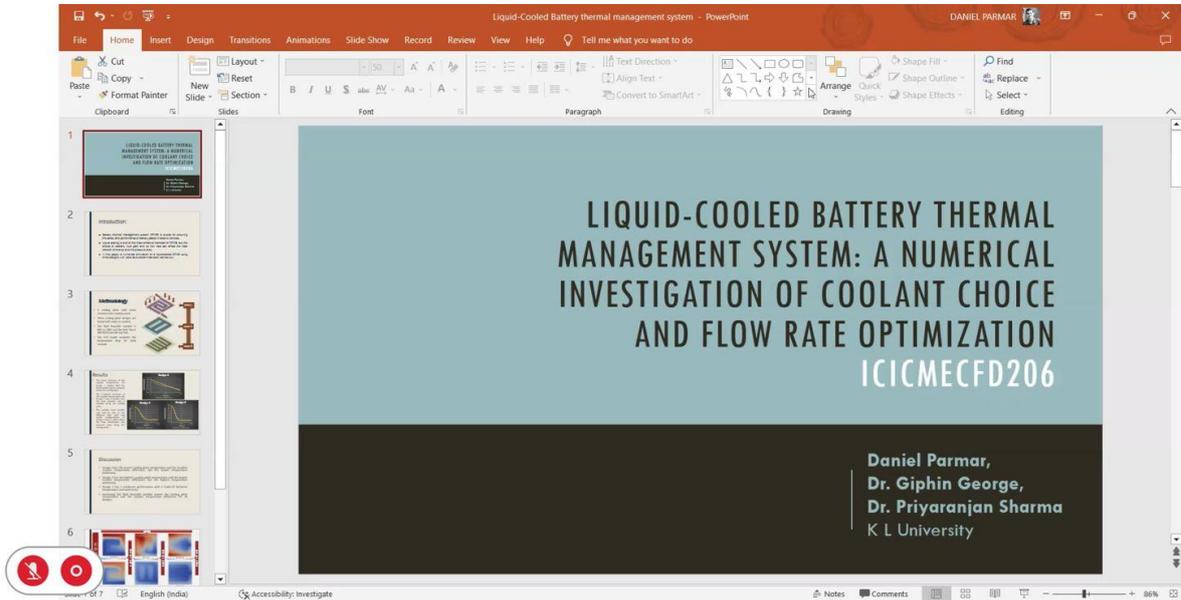
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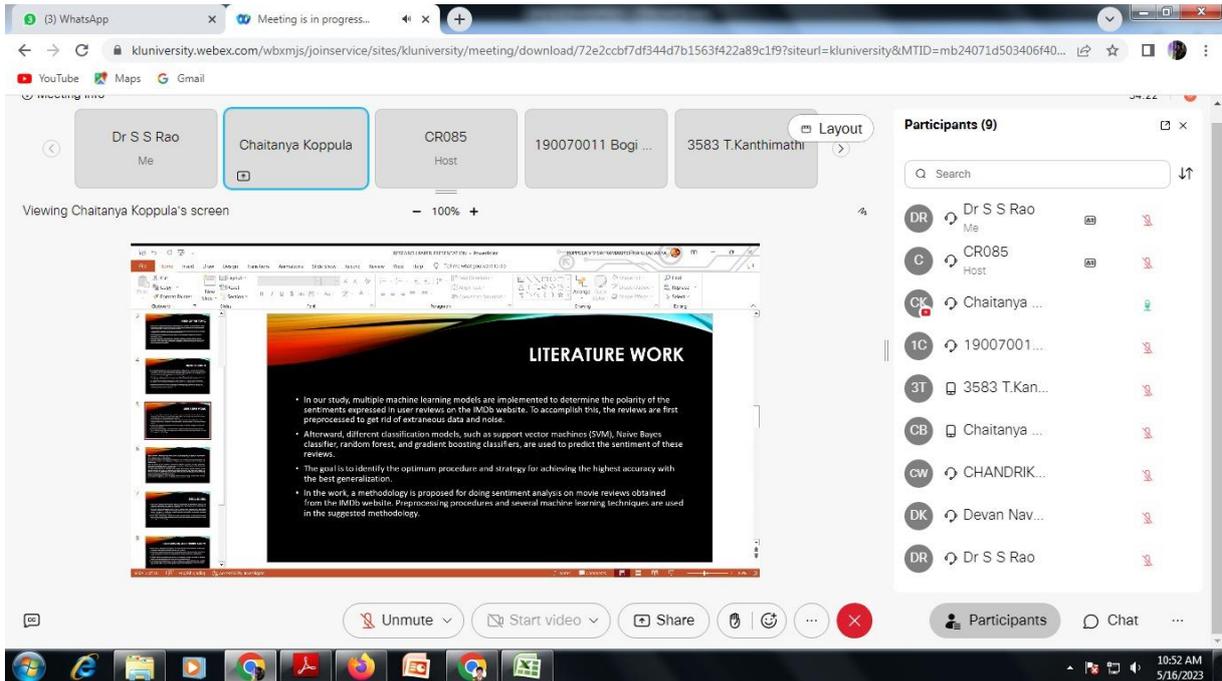
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Track-3





Keynote Session-5

The screenshot shows a Zoom meeting interface. The main content is a presentation slide titled "Contents" with the following list of topics:

- Introduction
- Problem definition
- Model of 7-DOF biped robot
- D-H Parameter setting
- Kinematic relationships
- Dynamics
- Results of analytical method
- Soft computing methods
- Robustness test

The meeting interface includes a top menu bar with options like "File", "Edit", "Share", "View", "Audio & Video", "Participant", "Meeting", "Breakout Sessions", and "Help". The bottom toolbar contains controls for "Unmute", "Start video", "Share", "Record", and "Participants". The right sidebar shows a list of participants, including "Ashwini Kumar", "Dr V Pandu Ranga" (who is currently speaking), and "SURYA NARAYAN PADHI". The system tray at the bottom shows the time as 11:45 on 16-05-2023.

Dr. V. Pandu Ranga, Associate Professor, School of Mechanical Sciences, IIT Bhubaneswar, presented keynote address on “Biped Robotics: Gait Generation”. He explained about biped robots, 7-DOF Biped robot, Conditions for the repeatability of the gait, Architecture of FLC System, Mamdani approach of FLC, Robustness test etc.,



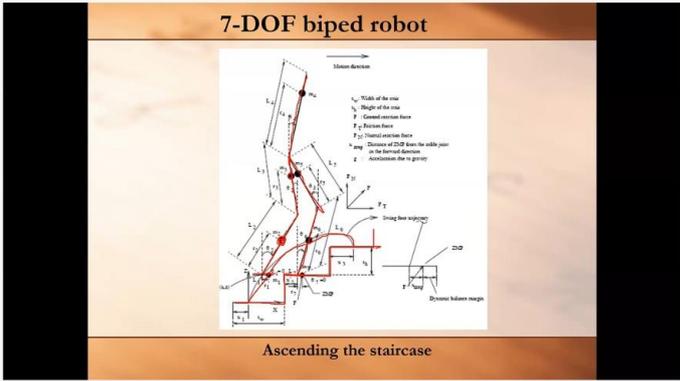
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Browser tabs: New Tab, IRCTC, Guest, (6) WhatsApp, M, ICICI, Home, Guest, klu - S, Mail

URL: https://kluniversity.webex.com/wbxmjs/joinservice/sites/kluniversity/meeting/download/64c856d89237463db0486ec3fc0ef...

Participants: Dr.S.N.Padhi (Me), 3583 T.Kanthimathi, 2102070003 P.S..., Ashwini Kumar (Cohost), B KIRAN KUMAR

Viewing Dr V Pandu Ranga's application - 100%



7-DOF biped robot

Ascending the staircase

Diagram labels: Mass of the foot, Weight of the foot, Ground reaction force, Distance from the hip to the ankle joint, Distance of ZMP from the ankle joint, Ankle rotation direction, Spring force constant, Dynamic balance margin.

Meeting controls: Unmute, Start video, Share, Close

System tray: 39°C Mostly sunny, Search, Taskbar, System tray (ENG IN, 11:55, 16-05-2023)

Webex Meeting Info: Hide Menu Bar

File Edit Share View Audio & Video Participant Meeting Breakout Sessions Help

Viewing Dr V Pandu Ranga's application... - 76%

03:04:58

Layout

Ashwini Kumar (Cohost, me)

Dr V Pandu Ranga

2102070003 P.S.N. MASTHAN ...

3583 T.Kanthimathi

Conditions for the repeatability of the gait:

$$\theta_{2, initial} = \theta_{6, final} ; \dot{\theta}_{2, initial} = \dot{\theta}_{6, final} ;$$

$$\theta_{3, initial} = \theta_{5, final} ; \dot{\theta}_{3, initial} = \dot{\theta}_{5, final} .$$

Steps to be followed for obtaining trunk motion of the biped robot

- Step 1:** Determine the trunk motion for half of the cycle after considering static balance of the robot.
- Step 2:** Based on the above trunk motion, verify whether the entire system is dynamically balanced at different positions of that half cycle through determination of ZMP.
- Step 3:** If the system is dynamically balanced, use repeatability conditions for other half of the cycle and terminate the program.
- Step 4:** If the dynamic balance is not obtained, modify the trunk motion and repeat steps 1 through 3.

Meeting controls: Unmute, Start video, Share, Record, Close

System tray: Search, Taskbar, System tray (ENG IN, 12:00, 16-05-2023)



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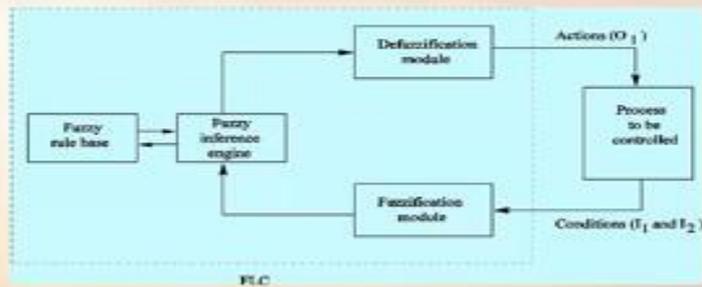
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Mamdani approach of FLC

- An FLC consists of four modules, namely a rule base, an inference engine, fuzzification and de-fuzzification.



At last, he clarified doubts raised by participants.





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Keynote Session-6



The screenshot shows a Webex meeting interface. The main content is a presentation slide with the following text:

G20
 2023 INDIA

Micromachining of Non-conductive materials for Microsystems Packaging



Prof. Pradeep Dixit
 Department of Mechanical Engineering
 Indian Institute of Technology Bombay
 Email: pradeep.dixit@iitb.ac.in

5/16/2023 Pradeep Dixit, IIT Bombay 1

The meeting interface includes a top menu bar with options like 'File', 'Edit', 'Share', 'View', 'Audio & Video', 'Participant', 'Meeting', 'Breakout Sessions', and 'Help'. A right-hand sidebar shows a list of participants: Ashwini Kumar, Pradeep Dixit (active), Dr.S.N.Padhi, and PRIYARANJAN SHARMA. At the bottom, there are controls for 'Unmute', 'Start video', 'Share', 'Record', and 'Participants'.

Dr. Pradeep Dixit, Professor, Department of Mechanical Engineering, Indian Institute of Technology Bombay, presented keynote address on “Micromachining of Non-conductive materials for Microsystems packaging”. Sir, explained about Concept of Micro machining, Microfluidics/Lab-on-chip, Micromachined features in glass substrates, ultrasonic micromachining process, Critical stages in ECDM Process, Horn design: Modal and Harmonic Analysis etc.,



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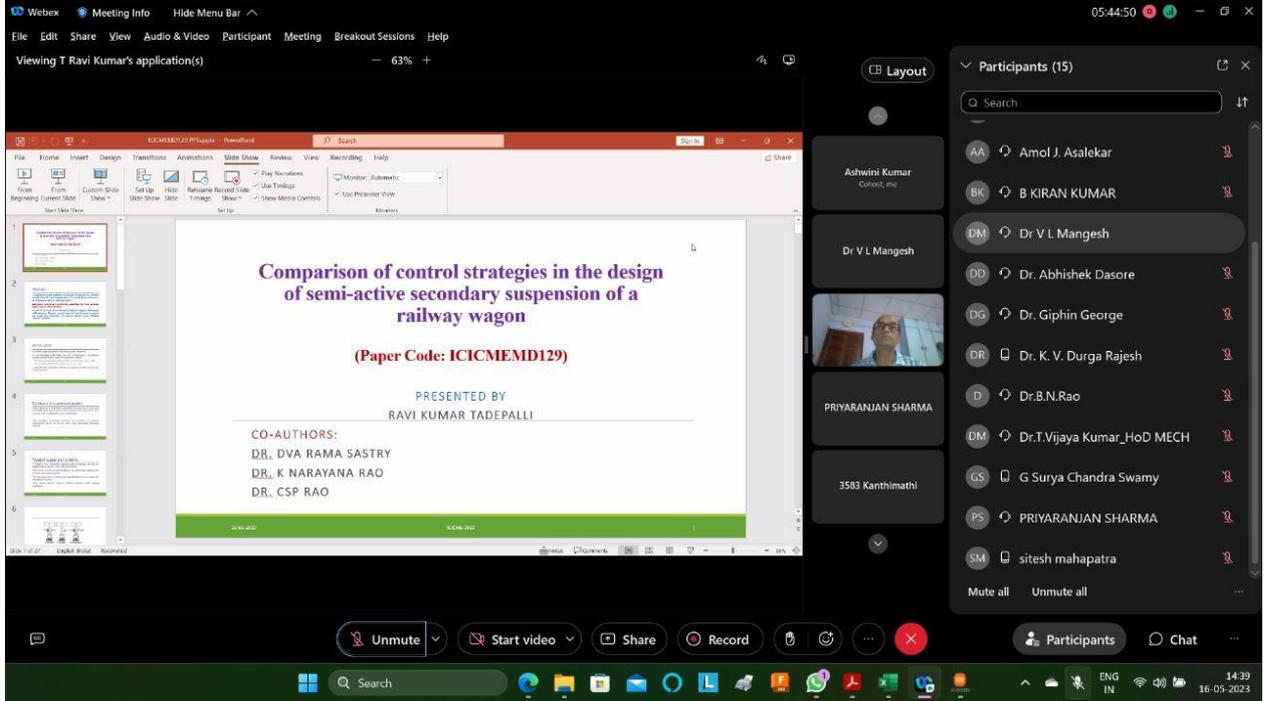
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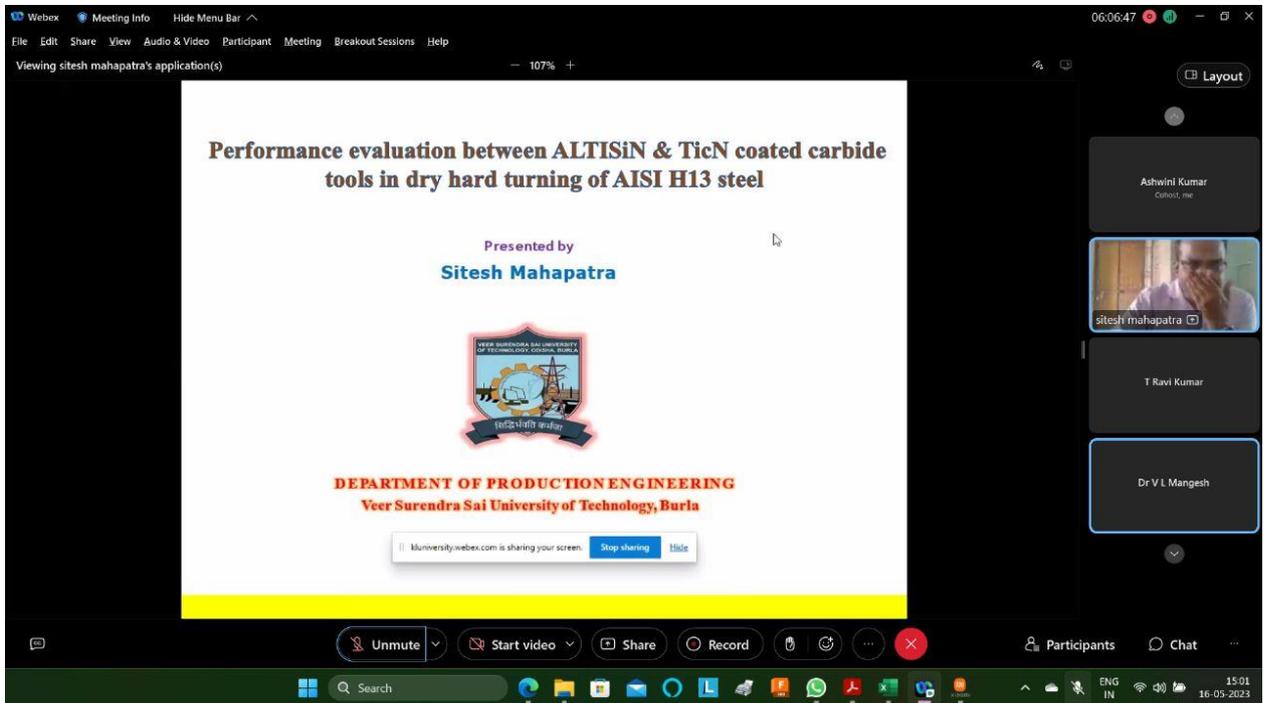
TRACK-1



The screenshot shows a Webex meeting interface. The main window displays a presentation slide with the following text:

Comparison of control strategies in the design of semi-active secondary suspension of a railway wagon
 (Paper Code: ICICMEMD129)
 PRESENTED BY
 RAVI KUMAR TADEPALLI
 CO-AUTHORS:
 DR. DVA RAMA SASTRY
 DR. K NARAYANA RAO
 DR. CSP RAO

The meeting controls at the bottom include Unmute, Start video, Share, and Record. The participants list on the right includes Amol J. Asalekar, B KIRAN KUMAR, Dr V L Mangesh, Dr. Abhishek Dasore, Dr. Giphin George, Dr. K. V. Durga Rajesh, Dr.B.N.Rao, Dr.T.Vijaya Kumar_HoD MECH, G Surya Chandra Swamy, PRIYARANJAN SHARMA, and sitiesh mahapatra.



The screenshot shows a Webex meeting interface. The main window displays a presentation slide with the following text:

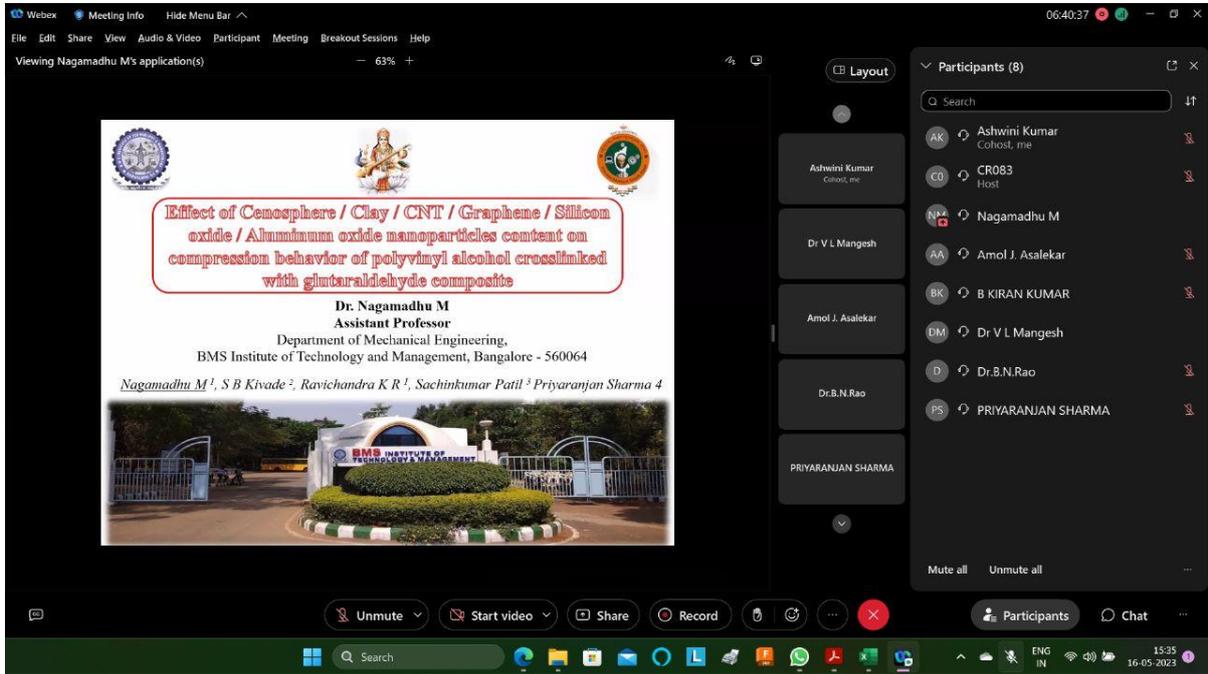
Performance evaluation between ALTISiN & TicN coated carbide tools in dry hard turning of AISI H13 steel
 Presented by
Sitesh Mahapatra

DEPARTMENT OF PRODUCTION ENGINEERING
Veer Surendra Sai University of Technology, Burla

The meeting controls at the bottom include Unmute, Start video, Share, and Record. The participants list on the right includes Ashwini Kumar, sitesh mahapatra, T Ravi Kumar, and Dr V L Mangesh.



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Webex Meeting Info Hide Menu Bar 06:40:37

File Edit Share View Audio & Video Participant Meeting Breakout Sessions Help

Viewing Nagamadhu M's application(s) - 63% +

Effect of Cenosphere / Clay / CNT / Graphene / Silicon oxide / Aluminum oxide nanoparticles content on compression behavior of polyvinyl alcohol crosslinked with glutaraldehyde composite

Dr. Nagamadhu M
 Assistant Professor
 Department of Mechanical Engineering,
 BMS Institute of Technology and Management, Bangalore - 560064

Nagamadhu M¹, S B Kivade², Ravichandra K R¹, Sachinkumar Patil³, Priyaranjan Sharma⁴

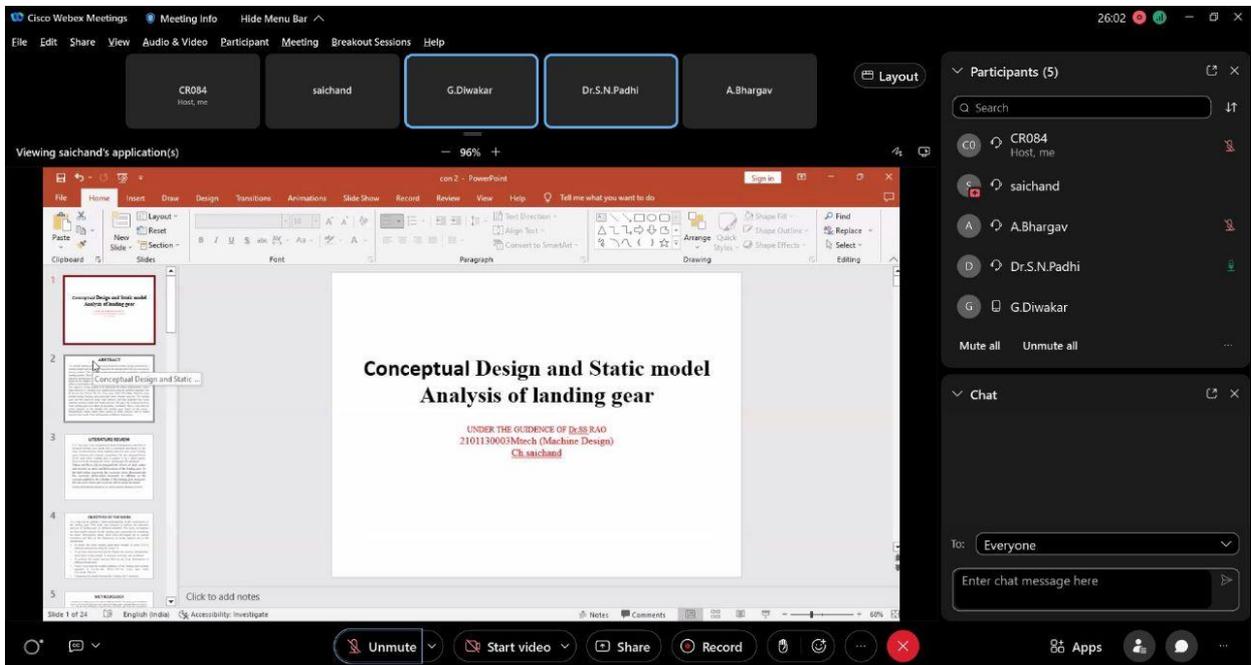


Participants (8)

- Ashwini Kumar (Host, me)
- CR083 (Host)
- Nagamadhu M
- Amol J. Asalekar
- B KIRAN KUMAR
- Dr V L Mangesh
- Dr.B.N.Rao
- PRIYARANJAN SHARMA

Unmute Start video Share Record Participants Chat

Track-2



Cisco Webex Meetings Meeting Info Hide Menu Bar 26:02

File Edit Share View Audio & Video Participant Meeting Breakout Sessions Help

CR084 (Host, me) saichand G.Diwakar Dr.S.N.Padhi A.Bhargav

Viewing saichand's application(s) - 96% +

PowerPoint: **Conceptual Design and Static model Analysis of landing gear**

UNDER THE GUIDENCE OF DR.SS.RAO
 2101130003Mech (Machine Design)
 Ch.saichand

Participants (5)

- CR084 (Host, me)
- saichand
- A.Bhargav
- Dr.S.N.Padhi
- G.Diwakar

Chat

To: Everyone

Enter chat message here

Unmute Start video Share Record Apps



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Track-3

TRACK 3 paper Presentations					
1	DAY 1	ICICMEMD110	C.Anil Kumar Reddy, B.Venkatesh,M.Srivani, S.S Basha, P.Shravan Chetan, TVS Narendra	DEPOSITION AND CHARACTERIZATION OF MULTI-LAYER HARD-FACING CHROMIUM ON FERROUS SUBSTRATE	Not Presented
2	DAY 1	ICICMEMD111	A.Sirisha Bhadrakali, DVA.Rama Sastry,T. Ramprabhu	ANALYSIS OF SS308L WIRE ARC ADDITIVE MANUFACTURED SPECIMENS REINFORCED WITH Al2O3	Good Presentation
3	DAY 1	ICICMEMD112	Julfekar Arab, Shih-Chi Chen, Priyaranjan Sharma	Micro machining electrically on-conductive materials using low cost method based on electro-chemical discharges	Nice Presentation
4	DAY 1	ICICMEMD113	Mr. Tejpal, C. Parshwanikar, Mr. Amit Goswami, Ms. Mansi Balki, Dr. Chandras C. Handa	Experimental Investigation and Optimization of Extraction of Activated Charcoal from Coconut Shells	Good Presentation
5	DAY 1	ICICMEMD115	Hardial Singh, S.B Gupta	Effect of Fillet Radius on Bending Stress in Helical Gear using FEA	There is no novelty
6	DAY 1	ICICMEMD116	D.V. A. Rama Sastry, Amol J. Asalekar	Prediction and comparative analysis of thermal conductivity of Jatropa oil-based hybrid nanofluid by Multivariable regression and ANN	Excellent Presentation
7	DAY 1	ICICMEMD117	Sudhy S. Panicker, Vinay Varghese	Spring Back Investigations in Aluminium and Stainless Sheets	Good Presentation
8	DAY 2	ICICMEMD132	Koppula V V S R K Chaitanya, Kupplli Vishal, V.S Gopthreya, Gottipati Siddhartha, Radha Mothukuri, Suneetha Bulla	A Comprehensive Study on Mining Computation using Classification and Optimization Techniques: Movie Reviews	Average Presentation
9	DAY 2	ICICMEMD137	Bogi Chakri, G Pavan, K Manish, DVA RamaSastry	Design and Analysis of rally car roll cages	Good Presentation
10	DAY 2	ICICMEMD138	N.Teja manohar, A Sri Harsha	Self watering pot with esp micro controller	Shifted to track 1
11	DAY 2	ICICMEMD139	Chandrika Wagle, SN Padhi	Taguchi design for Optimization of reinforcement at toe area of carbon fiber foot	Average presentation
12	DAY 2	ICICMEMD142	Chaitanya Girish Burande, SN Padhi	Comparison of Carbon fiber, Polyethylene and Structural Steel Ankle Foot Orthosis by	Good Presentation
13	DAY 2	ICICMEMD142	Devan Naveen Kumar, T Vijaya Kumar	Comprehensive Review on Brake Friction Materials	Good Presentation
14	DAY 2	ICICMEMD143	Ayush padhy, Shaan Nayak; Rajdeep Siddhartha; Gajanan A	Multi-Directional Forging Al-Li/Cu-Ti Alloys; Investigate Microstructure and Mechanical	Good Presentation
15	DAY 2	ICICMEMD144	KVPT JAGANNADHA RAO, G Diwakar	DESIGN AND ANALYSIS OF ENGINE MOUNT BRACKET TO ENHANCE THE CRASH PERFORMANCE OF THE ENGINE MOUNTING SYSTEM	Average Presentation

At the end of conference, Vote of thanks presented by Dr. S.S. Rao Sir and feedback collected from participants.



HoD-ME