

# Sandip Institute of Technology and Research Centre An Autonomous Institute

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## Department of Mechanical Engineering Academic Year 2023-24

### Report on “Expert Lecture on Effects of Hot Switching on Contact Reliability of Pt-Coated Micro switches at Low Contact Voltages”

- 1. Event Title:** "Expert Lecture on Effects of Hot Switching on Contact Reliability of Pt-Coated Micro switches at Low Contact Voltages”
- 2. Event Date:** 13<sup>th</sup> December 2023
- 3. Event Conduction Duration:** 11:45 AM to 12:20 PM
- 4. Event Venue:** Online Platform, Google meet
- 5. Event Resource Person Details:** Dr. Deepak Kumar  
Department of Mechanical Engineering,  
Carnegie Mellon University (CMU), USA

**6. Name of Event Coordinator:** Dr. Chandrmani Yadav

#### 7. Event Objectives & Outcomes

##### Objectives of Activity:

To understand the Pt- coated Micro switches which worked at low contact voltages and its future challenges.

##### Outcomes of Activity:

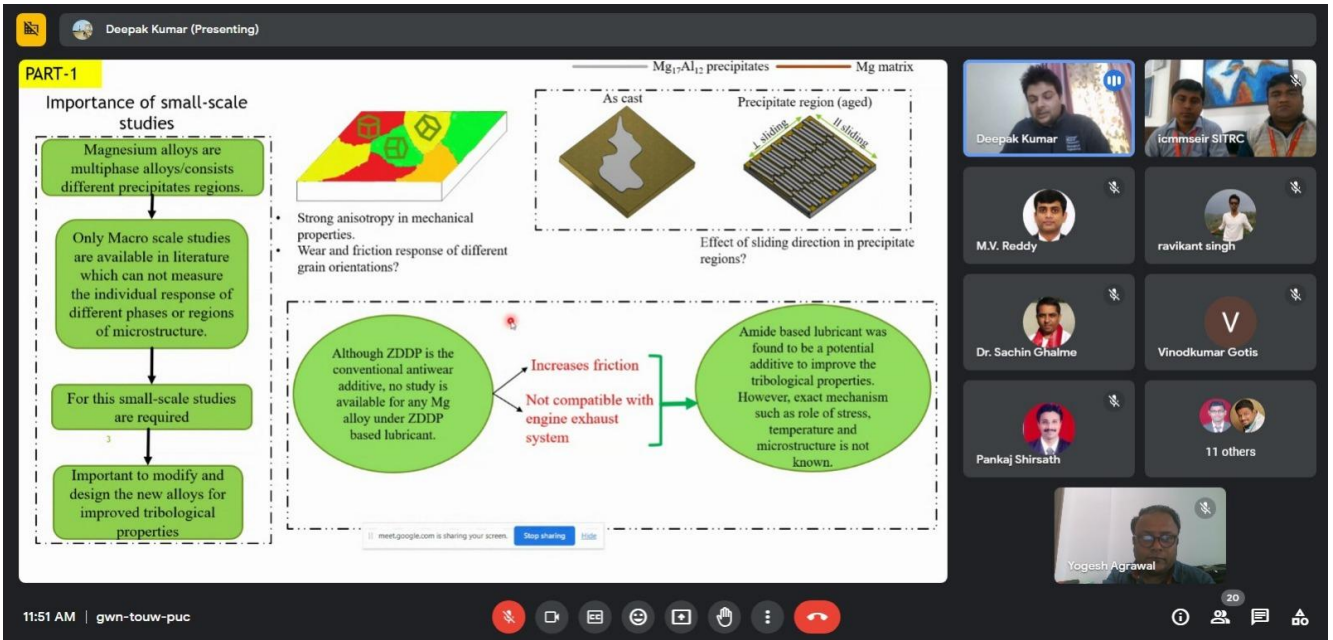
Participants understood the Pt- coated Micro switches, its effect and future scopes.

#### 8. Description of Event:

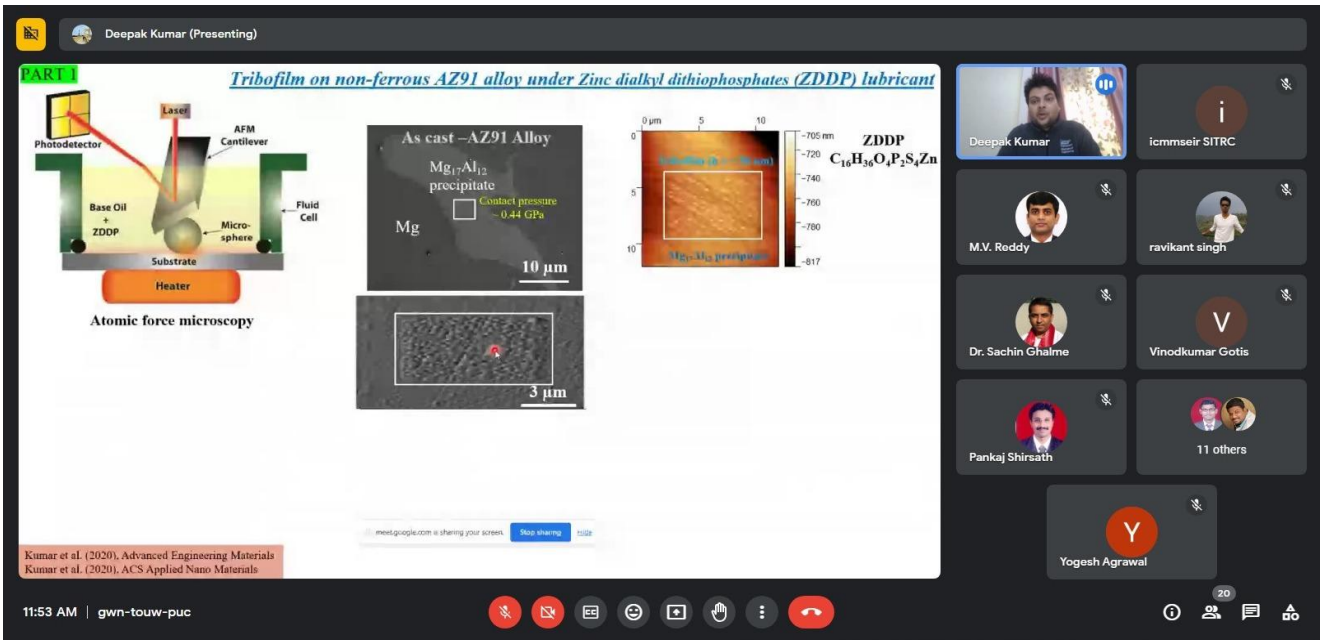
Mechanical Engineering Department, SITRC has organized an expert lecture for the students of Mechanical Engineering on 13<sup>th</sup> December 2023. The resource person was Dr. Deepak Kumar, Postdoctoral Research Associate at Department of Mechanical Engineering, Carnegie Mellon University (CMU), USA. The resource person briefed the Pt- coated Micro switches, effects of hot switching. So, this lecture helped students to understand the effects of hot switching on Pt- coated Micro switches. The vote of thanks was given by Dr. Chandrmani Yadav.

The event was attended by about **128** students along with HoD Prof. (Dr.) Sachin G. Ghalme, and departmental faculty members.

**Event Photos:**



Resource person delivered introduction of speech



Resource person delivered speech on ZDDP lubricant

*[Signature]*  
**Dr. Chandrmani Yadav**  
 Event Coordinator

*[Signature]*  
**Dr. S. G. Ghalmé**  
 HOD  
 Dept. of Mech. Engg.

*[Signature]*  
**Prof. (Dr) M. M. Patil**  
 Principal,  
 SITRC

