**IEEE Event Report**

**1. IEEE Student Branch name: IEEE SB Chapter IIT Mandi**

**2. IEEE Student Branch Number: SBC18191**

**3. Name of the event: IEEE IAS Distinguished Lecture on: “Condition monitoring and fault diagnosis of electric machines”**

**4. Date: July 27, 2020.**

**5. Venue: Virtual/Online.**

**6. City, State: Mandi, Himachal Pradesh**

**7. Country: India**

**8. IEEE Region: Region-10**

**9. Objectives and Motivation of the SPAA event *(100 words)*:**

This was the very first event of its kind which organised to just resume the strength getting motivation even hitting by this ongoing pandemic.

So, we organised an IEEE IAS DL delivered by Prof. Jose A. Antonino-Daviu from Universitat Politecnica de Valencia, Valencia, Spain. He has delivered the DL on the topic of condition monitoring and fault diagnosis of electric machines. This topic is not just in a hot demand of the industries but also has vital role in supporting the current infrastructure that depends mostly on the electrical machineries. So, we have to incorporate the ideas of monitoring and its fault diagnosis for machines to make an industry run without any discontinuity.

**10. Event description *(100 words)*:**

IEEE Student Branch Chapter Indian Institute of Technology Mandi, India conducted a Webinar on “Distinguished Lecture on condition monitoring and fault diagnosis of electric machines” to celebrate the IEEE PELS Day 2020, July27, 2020, at 3:30 pm. The webinar was delivered by, Prof. Jose A. Antonino-Daviu from Universitat Politecnica de Valencia, Valencia, Spain.IEEE. It was broadcasted (from SC, NKN, IIT Mandi) through the “Cisco Webex” virtual meeting platform.

***a. Name of the speakers along with their brief profile:***

Jose Antonino-Daviu (S’04-M’08-SM’12) was born in Valencia, Spain, in 1976. He received his M.Sc. and Ph. D. degrees in Electrical Engineering, both from the Universitat Politècnica de València, Valencia, Spain in 2000 and 2006, respectively and the Ms. Degree in Business Administration and Management from the Universitat de València, Valencia, Spain, in 2012. He worked for IBM, being involved in several international projects. He is currently Associate Professor in the Department of Electrical Engineering of the Universitat Politècnica de València, where he develops his docent and research work. He is also Secretary of the mentioned Department.

His primary research interests are condition monitoring of electric machines, signal processing and its application to fault diagnosis as well as design and optimization of electrical installations and systems. His main achievement is the development of techniques for the reliable diagnosis of the rotor condition in electric motors; these innovative techniques rely on the analysis of machine's currents during transient operation. He has been invited professor in Helsinki University of Technology (Finland) in 2005 and 2007, Michigan State University (USA) in 2010, Korea University (South Korea) in 2014, Université Claude Bernard Lyon 1 (France) and Coventry University (2016).

He has been general co-chair of IEEE SDEMPED 2013 and is member of the Steering Committee of IEEE SDEMPED. This is one of the most important events in the world in the area of condition monitoring of electric motors. He is also member of the International Committee of any other international Conferences.

***b. Number of attendees attended****: 60 (Virtually: 50, in person: 10)*

***11.* Event pictures/photos *(attach some photos here)***

I certify that the report compiled by me is correct to my knowledge.

Student Branch Chapter Representative:

Sachin Chauhan

*Chair IEEE IAS-PES*

IEEE SB Chapter IIT Mandi

IEEE Delhi Section, Region-10

Place: Mandi, Himachal Pradesh

Date: 18-August, 2020

A group of people in a room

Description automatically generated

(1)

A person sitting in a chair in a room

Description automatically generated

(2)

Images (1) and (2) Showing the attendees in person present during DL.

A screen shot of a computer

Description automatically generated

This image shows the online attendees during DL.