

## **2019 Follow-up form for the IEEE IAS Distinguished Lecturer/Prominent Lecturer program**

This form should be completed by the invitee person and send to: Tamás Ruzsányi, IAS CMD DL & PL Program Chair, [tamas.ruzsanyi@ieee.org](mailto:tamas.ruzsanyi@ieee.org) within two weeks of the lecture tour. Without receiving his form, the expense report of the lecturer will not be processed.

**1. Invitee information:**

Section: Delhi Section  
Chapter: IEEE SB Chapter IIT Mandi  
Name of the requesting person: Rajesh Pindoriya

**2. Distinguished lecturer/Prominent lecturer**

Name: Prof. S. N. Singh  
Title: Fellow, IEEE

**3. Lecture information**

Venue (Country, City): SC-NKN, South Campus, IIT Mandi, Mandi, India  
Date: 15<sup>th</sup> June 2019  
Type of event (Chapter meeting, Technical seminar, etc.): Technical Seminar

Title of lecture: Estimation of Grid Harmonics in the Presence of Renewable Energy Sources

Duration: 02:00 Hours

**4. Number of participants**

IEEE members: 40  
Non-IEEE members: 25

**5. Short summary of the lecture**

(Satisfaction, Interest, feedbacks, special questions, proposal for the future, etc. max 100 word / meeting)

Prof. S. N. Singh has delivered distinguished lecture on the topic “**Estimation of Grid Harmonics in the Presence of Renewable Energy Sources**”. Prof. Singh briefed major concerns of power system design & operation like; Quality, Reliability, Security and Economy. He covered major issues and challenges in Power System Applications. He also discusses on role of Power Electronics Applications in Power Systems and why Harmonics are matter of concerns. Prof. Singh has covered state-of-art signal processing and intelligent techniques for estimation of non-stationary harmonics. He has shared several experimental results to support the analytical foundations.

The participants raised several questions related to current scenario of power system stability and issues about harmonics.

6. **Signature of requesting person:**

*R. M. Pindorife*

7. **Travel and Local Hospitality:** Travel and local hospitality of Prof. S. N. Singh was completely taken care by workshop funds.

8. **Photos** (photos are highly appreciated)



Fig. 1. Technical talk delivered by Prof. S. N. Singh.



Fig. 2. Technical talk delivered by Prof. S. N. Singh.

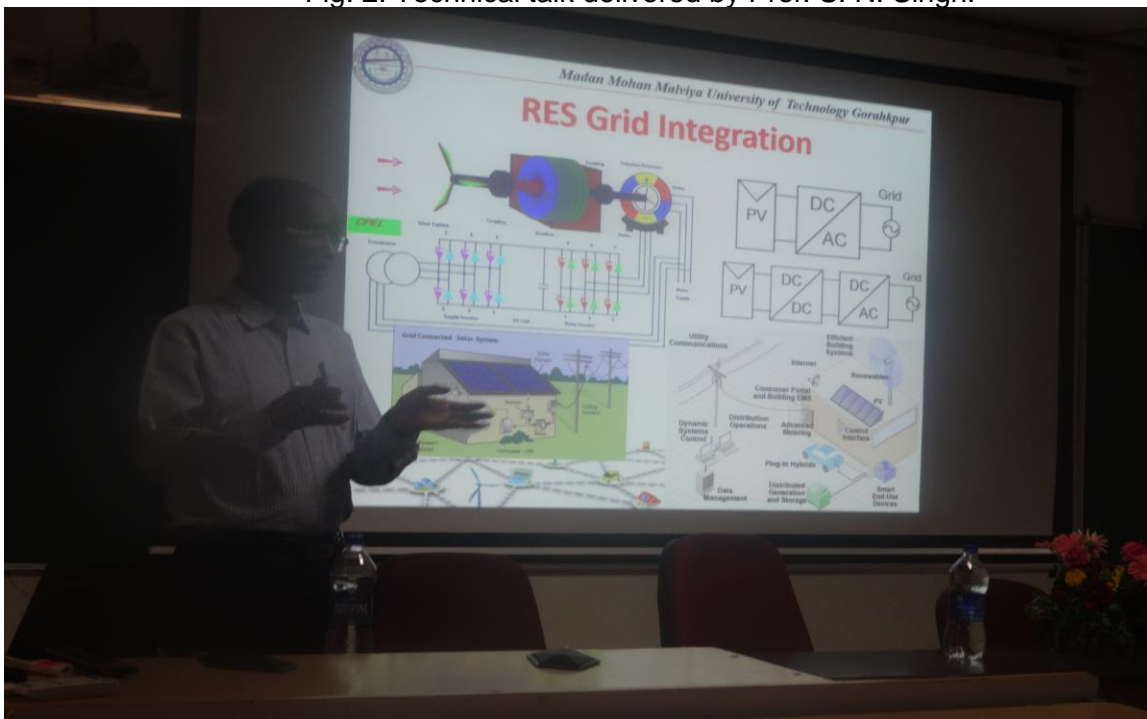


Fig. 3. Technical talk delivered by Prof. S. N. Singh.



Fig. 4. On behalf of IEEE IAS Student Branch Chapter IIT Mandi, Dr. Bharat Singh Rajpurohit felicitated Prof. S. N. Singh, Fellow, IEEE



Fig. 5. Workshop participants interaction with Prof. S. N. Singh during High Tea.



Fig. 6. Academic persons and R & D persons interactions with Prof. S. N. Singh during High tea.