



Department of Physics
Ch. Charan Singh University Meerut
INDIA

Department of Electrotechnology
Czech Technical University, Prague
CZECH REPUBLIC



Indo-Czech Republic International Workshop/Technical Virtual Training on Nanomaterials for Photovoltaic/Photocatalytic Devices, May 17-18, 2022

Jointly Organize by

C.C.S. University, Meerut, INDIA & Czech Technical University, Prague, CZECH REPUBLIC

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Prof. Sangeeta SHUKLA
Hon. Vice-Chancellor
CCS University, Meerut, India
Chief Patron



Prof. Y. VIMALA
Hon. Pro Vice-Chancellor
CCS University, Meerut, India
Patron



Prof. M.K. GUPTA
Dean of Science
CCS University, Meerut, India
Patron



Dr. Jakub HOLOVSKY
Chief Guest
C.T. U., CZECH REPUBLIC



Prof. Beer Pal SINGH
Convener and Head
C.C.S. University, India



Dr. Rupendra K. SHARMA
Organizing Secretary
C. T. U., CZECH REPUBLIC



Prof. Sanjeev K. SHARMA
Organizing Secretary
C.C.S. University, INDIA

Organizing Committee

National

Prof. Anil Kumar Malik, Department of Physics, CCSU, India
Prof. Anuj Kumar, Department of Physics, CCSU, India
Prof. P. K. Sharma, Hon.VC, Azamgarh University, UP, India
Prof. Buta Singh Sidhu, Hon.VC, MRS-PTU, Punjab, India
Prof. Sanjeev Singh, University of Delhi South Campus, India
Dr. Yogendra K. Gautam, Department of Physics, CCSU, India
Dr. Sushil Kumar, Scientist, NPL, Delhi
Prof. L.P. Purohit, GKV, Haridwar, UK, India
Prof. O.P. Thakur, NSUT, New Delhi, India
Dr. Anurag Gaur, J.C. Bose University, Faridabad, Haryana, India
Dr. Anil K. Yadav, Department of Physics, CCSU, India
Dr. Kavita Sharma, Department of Physics, CCSU, India

International

Prof. Chennupati Jagadish (Key Advisor), ANU, Australia
Prof. Deuk Young Kim, Dongguk University-Seoul, South Korea
Prof. Jakub Holovsky, CTU, Czech Republic
Prof. Rupender K. Sharma, CTU, Czech Republic
Prof. Yogendra Kumar Mishra, USD, Denmark
Prof. Ajit Kaushik, Florida Polytechnic University, Florida, USA
Prof. Jong-Sung Yu, DGIST, South Korea
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Prof. L. Sujatha, REC, Anna University, Chennai, Tamilnadu, India
Dr. Jaibir Sharma, Institute of Microelectronics, a-Star, Singapore
Dr. Deepak Pant, VITO, Belgium
Dr. Sanjeev K. Varshney, Head, IC-DST, India

Registration Link: E- Certificate will be provided to the registered/attended/presented participants

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Indo-Czech Republic International workshop/technical Program, *May 17-18, 2022*

Inauguration Session: May 17, 2022

Time	Programme
<u>Chair Person</u>	Prof. Beer Pal Singh, CCS University, Meerut, India
Anchor	Prof. Sanjeev Kumar Sharma, Dept. of Physics, CCSU, Meerut
10:00 AM – 10:05 AM	Inaugural session/ Saraswati Vandana (Dr. Kavita Sharma and Preeti)
10:05 AM – 10:10 AM	About the Programme by: Prof. Sanjeev Kumar Sharma, Dept. of Physics, CCSU, Meerut
10:10 AM – 10:20 AM	Welcome address: Prof. Beer Pal Singh, Dept. of Physics, CCSU, Meerut, and Introduction of Hon'ble VC and Pro-VC and Dear
10:20 AM – 10:25 AM	Words by Prof. M. K. Gupta, Dean of Science , CCSU, Meerut
10:25 AM – 10:35 AM	Presidential Address: Prof. Y. Vimala, Hon'ble Pro Vice – Chancellor, Ch. Charan Singh University, Meerut
10:35 AM – 10:40 AM	Vote of Thanks by Prof. Anil K. Malik, Dept. of Physics, Ch. Charan Singh University, Meerut
10:45 AM – 10:50 AM	Introduction and Invitation of Prof. Jaqub Holovsky, Czech Technical University, Czech Republic by Prof. Anuj Kumar
10:50 AM – 11:05 AM	Keynote address by Prof. Jaqub Holovsky titled “ <i>Photovoltaic, about CTU and possible research Facility & collaboration</i> ”.
11:05 AM – 11:10 AM	Introduction and Invitation of Dr. Rupendra K. Sharma, Associate Professor, Czech Technical University, Czech Republic, by Dr. Y. K. Gautam
11:10 AM – 11:55 AM	Plenary Talk by Dr. Rupendra K. Sharma titled “ <i>Nanostructured materials for Photovoltaic Solar Cells</i> ”.
11:55 AM – 12:00 Noon	Introduction and Invitation of Dr. Sushil Kumar, Scientist, National Physical Laboratory, New Delhi, India, by Prof. S. K. Sharma
12:00 Noon – 12:50 PM	Plenary Talk by Dr. Sushil Kumar, titled “ <i>Nano-crystalline silicon thin film for solar cell applications</i> ”.
12:50 PM – 01:40 PM	Break
<u>Chair Person</u>	Prof. Jakub Holovsky, CTU, Czech Republic
01:40 PM – 02:30 PM	Lab visit and hands-on Practice by Dr. Rupendra K. Sharma + Research Scholars (CTU, Czech Republic).
02:30 PM – 03:30 PM	Lab visit and hands-on Practice by Dr. Y. K. Gautam + Ph. D Scholars (Durvesh Gautam, Pawan Kumar, Manohar, ---).
03:30 PM – 03:40 PM	Wrap up (Prof. Sanjeev K. Sharma)

Indo-Czech Republic International workshop/technical Program, *May 17-18, 2022*

Inauguration Session: May 18, 2022

Time	Programme
<u>Chair Person</u>	Prof. Anil Kumar Malik
10:00 AM – 10:05 AM	Initiation of the program by Prof. Sanjeev Kumar Sharma
10:05 AM – 10:10 AM	Introduction and Invitation of Prof. Anil Kumar Malik , Department of Physics, CCS University, Meerut, India, Prof. S. K. Sharma
10:10 AM – 11:00 AM	Invited Talk by Prof. Anil Kumar Malik , titled “ <i>Terahertz Photonics: An Emerging Science</i> ”.
11:00 AM – 11:05 AM	Introduction and Invitation of Prof. Sanjeev Kumar Sharma , Dept. of Physics, CCSU, Meerut by Dr. Rupendra Kumar Sharma
10:05 AM – 11:55 AM	Invited talk by Prof. Sanjeev Kumar Sharma , titled “ <i>Nanostructured Materials for Photocatalytic degradation and water splitting for Hydrogen production</i> ”.
11:55 AM – 12:00 Noon	Introduction and Invitation of Prof. A. I. Inamdar , Dongguk University-Seoul, South Korea by Dr. Sanjeev K. Sharma
12:00 noon – 12:45 PM	Invited talk by Prof. A. I. Inamdar , titled “ <i>Nanostructured Materials for Energy Generation and Smart Storage</i> ”.
12:45 AM – 01:30 PM	Break
<u>Chair Person</u>	Prof. Anuj Kumar
01:35 PM – 02:35 PM	Virtual Lab visit, Department of Physics, CCSU, India, Prof. Anil K. Malik & Dr. Anil K. Yadav + Research Scholars (Ruchi Bhati, Akansha Yadav, Veg Singh) of Photonic Lab & Crystal growth Lab.
02:35 PM – 03:35 PM	Virtual Lab visit and hands-on practice, Prof. Sanjeev K. Sharma + Ph. D Scholars (Deepak, Abhishek, Anirudh, Preeti) of Biomaterials and Sensor Laboratory, Dept. of Physics, CCSU, Meerut, India,
02:00 PM – 02:15 PM	Vote of Thanks for 2 days workshop: Prof. Y. K. Gautam + Prof. Sanjeev K. Sharma