4th International Conference on Semiconductor Materials and Nano-Devices (4th ICSMAND-2015)

March 8-10, 2015
The Islamia University of Bahawalpur, Pakistan
Introduction

4th International Conference on Semiconductor Materials and Nano-Devices (4th ICSMAND - 2015) continues tradition to be the central international meeting in the research field of semiconductor materials and devices in Pakistan. 4th ICSMAND-2015 is the meeting bringing together professionals from science institutes, universities and industry that are active in the fields of semiconductor materials and devices, with purpose to achieve correlation between basic and applied sciences with added value to contribute in education. Semiconductor materials and devices continue to occupy a permanent technological position due to their importance when building integrated electronic systems used in a wide range of applications from computers, cell-phones, personal digital-assistants, digital cameras and electronic entertainment systems, to electronic instrumentation for medical diagnostics and environmental monitoring.

The semiconductor industry is growing rapidly to fulfill the energy demand of continuously developing world and has become the focal centre of many researchers across the globe. Sustainable development ties together concern for the carrying capacity of natural systems with the social challenges faced by humanity.

Mission

The aims & objectives of 4th ICSMAND-2015 are to provide a platform for researchers, engineers, academicians as well as industry professionals from all over the world to share their research results and development activities in growth of semiconductor materials & fabrication of nano-devices. This conference provides opportunities for the delegates to exchange new ideas and application experiences face-to-face, establishing business or research relations and finding global partners for future collaboration. The research students working on state of the art nanotechnology will get a chance to discuss their problems with renowned scientists of technologically advanced nations.

The City of Bahawalpur

The City of Bahawalpur was established about 200 years ago by Nawab Bahawal Khan and enjoyed the status of independent state until 1954. The city is known for its famous buildings such as the Noor Mahal, Sadid Ghar Palace, and Darbar Mahal, as well as the ancient fort of Derrawar in the Cholistan Desert bordering India.

The Fort of Derrawar
Conference Sample Topics

1. Material Growth and Related Technologies
2. High-frequency and High-power Devices
3. Photonic and Optoelectronics Devices
4. Physics of Spintronics, and Novel Device Concepts
5. Nano-characterizations and Nanostructures
6. GaN Related Semiconductors and Devices
7. Oxide Semiconductors and Devices
8. Carbon-related materials and devices
9. Flexible electronics/optoelectronics materials and devices
10. SiGe Materials
11. Solar and energy-harvesting technologies
12. Meta-materials and potential applications
13. Magnetic and Magnetooptics Material

Invited Speakers

Prof. Dr. Muhammad Zafar Iqbal
COMSATS, Pakistan

Prof. Dr. Aslam Baig
NCP, Islamabad, Pakistan

Prof. Dr. Ian T. Ferguson
Missouri S&T University, MI, USA

Prof. Dr. Raphael Tsu
ECE, UNC Charlotte, NC, USA

Prof. Dr. M. Yasin Akhtar Raja
Phys & Optical SC, UNC Charlotte, USA

Prof. Dr. Ismat Shah
Delaware University, USA

Prof. Dr. M-Ali Hasan
ECE, UNC, Charlotte, USA

Prof. Dr. Arshad Saleem Bhatti
COMSATS, Pakistan

Prof. Dr. Shahid A. Shaheen
Phys, Florida State Univ. Tallahassee, US

Dr. M. Khizar Bhutta
SSL Materials & Devices, Whirlpool Inc.
Benton Harbor, MI, USA

Dr. Javaid Ahsan Bhatti
NINVAST, Pakistan

Dr. Muhammad Hanif
MCS-NUST, Rawalpindi, Pakistan

Dr. Arshad Mahmood Janjua
NILOP-PIEAS, Islamabad, Pakistan

Social Programmes

Derawar Fort Trip
A trip of Derrawar fort will be arranged during conference days.

Conference Dinner
A night of Rohi cultural rhythm will be arranged followed by a dinner for participants during conference.
Organizing Committee
Patron in Chief
Prof. Dr. Qaiser Mushtaq
Vice Chancellor, IUB Bahawalpur
General co-Chair
Prof. Dr. M. Asghar Hashmi
Dean of Science, IUB, Pakistan
International co-Chair
Prof. Dr. M. Yasin Akhtar Raja
Optoelectronics & Communications’ Center, UNC Charlotte, USA
Conference Secretary
Dr. Khalid Mahmood
GCU, Faisalabad
Coordinator
Mr. Tariq Mehmood Chohan
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Prof. Dr. Mamoona Ghani
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Dr. Naeem Anjum
Dr. Zaheer Abbas
Mr. Badar Habib
Dr. Naheed Riaz
Dr. Muhammad Saleem

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Mr. Zahid Sulman, Publicity
Prof. Dr. Karamat Mahmood
StateCare

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