

GLIMPSE OF PREVIOUS CONFERENCES/EVENTS – AIARS(M&D) and AIRAE

**INTERNATIONAL CONFERENCE
ON
RECENT TRENDS IN MATERIALS AND DEVICES
ICRTMD 2019
18th – 19th December 2019**

Amity Institute of Applied Science and Amity Institute for Advanced Research and Studies (Materials & Devices), Amity University Uttar Pradesh, jointly organized the International Conference on 'Recent Trends in Materials and Devices', from December 18-19, 2019.

The conference was organized to bring together academicians, scientists, and industrialists from various fields for the establishment of enduring connections to solve the common global challenges across a number of disciplines. The conference provided the platform to tackle complex problems from a range of perspectives, thereby modeling integrated, solution-focused thinking and partnerships. ***There were in total approx. 400 delegates joined the conference.***

<http://www.amity.edu/icrtmd2019/>

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**INTERNATIONAL CONFERENCE
ON
Efficient Solar Power Generation and Energy Harvesting
12th – 14th February 2019
Amity University UP, Noida
INDIA**

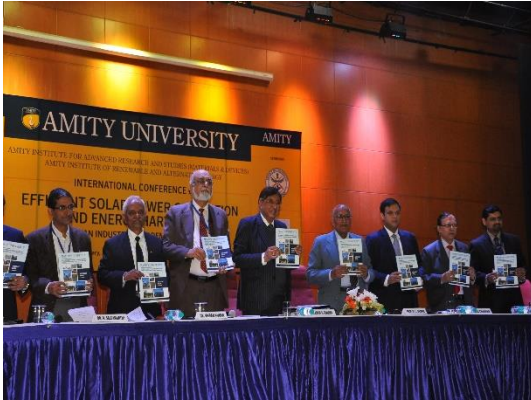
Bearing in mind the need for sustainable and renewable power resources, Amity Institute for Advanced Research and Studies (Materials & Devices) along with Amity Institute of Renewable and Alternative Energy have organized an International Conference on 'Efficient Solar Power Generation and Energy Harvesting'(ESPGEH) (An Industry – Academia Meet) from 12 to 14 February, 2019 at Amity University, Noida.

The conference has provided an excellent platform for bridging the gaps between academia & industry. This was a nice forum for discussion and networking for academicians, researchers, professionals, administrators, educational leaders, industry representatives and business leaders. This was a must-attend event for the Solar Energy Industries to hear about future infrastructure project plans and government strategies, for the participants including Eminent Scientists, Professors, Technocrats and Students from various parts of the world. ***In this conference, more than 100 participants have participated..***

The conference programme consists of 4 Plenary Lectures, around 60 Invited Talks and more than 100 Oral and Poster Presentations, which have been delivered in parallel sessions on recent thrust areas of Solar Energy generation and harvesting. This makes us believe that this conference has justified the overwhelming interest that delegates have shown in it. This was aided in constructing a road map for the Future of Solar Power Generation and Energy Harvesting in INDIA.

<http://amity.edu/espgeh2019/>

<https://amity.edu/events/eventdetails.asp?id=9187>



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**ONE DAY PANEL DISCUSSION
ON
Solar Energy**

under the team leadership of Shri. Sonam Wangchuk

15th October 2018

The motive and vision of the event is to promote the need of talented employees/youth in the renewable energy sector.

The agenda of the talk will be:

- How big is the renewable energy (RE) sector in India, what is the scope of its growth?
- Use of Internet of Things, Machine Learning, Artificial Intelligence in the RE industry?
- The career prospects in the RE industry? Why the country needs more youth support to be part of this sector – than an old school IT job?

The event includes, talks from an Eminent Dignities - *Dr. V. K . Jain, Sh. Sonam Wangchuk, Sh. Vikram Kailas*

An Important Panel discussion with an Eminent Dignities followed by Q/A, were carried out with Sh. Sonam Wangchuk, Engineer, Innovator and Education, Reformist & Founding Director of the SECMOL; Sh. Vikram Kailas, Vice Chairman & Managing Director, Mytra Energy; Dr. V. K . Jain, Distinguished Scientist & Professor, Amity Institute of Renewable and Alternative Energy; Dr. Vikram Kumar, Dr Raja Ramanna DRDO Distinguished Fellow, Solid State Physics Laboratory, New Delhi , Honorary Professor, CARE, IIT Delhi; and Dr. Praveen Saxena, CEO, Skill Council for Green Jobs, New Delhi , Advisor, MNRE

Further, the motivational videos were played by Mytra Energy, followed by a showcase shortlisted case studies / business proposals by students.

<http://www.mytrahtalks.com/>



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**ONE DAY WORKSHOP
ON
Advanced Research on Materials and Devices**

On successful completion of 10 years of ALARS (M&D)

26th September 2017

On the occasion of successful completion of 10 years of Amity Institute for Advanced Research and Studies (Materials & Devices) and Amity Institute of Renewable and Alternative Energy, Amity University Noida, The One Day Workshop on “Advanced Research in Materials and Devices” has been organized, on September 26th, 2017 at Amity University Uttar Pradesh, Noida. Many Eminent Scientists, Professors, Students and Technocrats from various organizations were participated in this workshop. It has been declared as an ‘Open Day’ to see the achievements, research activities and laboratory facilities of the institute. The research

scholars and scientists have presented their latest findings in the poster session of the workshop. In this workshop, more than 100 participants have participated.

During the occasion, a booklet “**10 Years JOURNEY OF SUCCESS**” of *Amity Institute of Advanced Research and Studies (Materials & Devices)* and *Amity Institute of Renewable and Alternative Energy* were released by the dignitaries (*Dr Ashok K Chauhan, Founder President, Amity Group; Dr. G.Satheesh Reddy, Scientific Advisor to Raksha Mantri and Director General, Missiles and Strategic Systems; Dr. R. K. Sharma, Director, SSPL, DRDO; Dr. Rajiv Sharma, Secretary, Science and Engineering Research Board (SERB)*).

<http://www.amity.edu/events/eventdetails.asp?id=4318>



INTERNATIONAL WORKSHOP ON

Trends in Solar Power Generation and Energy Harvesting

27th – 29th March 2017

**Amity University UP, Dubai Campus
DUBAI, UAE**

Amity Institute for Advanced Research and Studies (Materials & Devices), Amity University U.P., Nodia and NAM S&T Centre jointly organized the International Workshop on “Recent Trends in Solar Power Generation and Energy Harvesting” from March 27th to 29th, 2017 at Amity University – Dubai Campus, Dubai, UAE.

Eminent Scientists, Professors, Students and Technocrats (around 150 delegates) from various parts of the World were participated in this workshop/conference, **including 25 scientists/professors/ambassadors from developing Nations, under the NAM S&T Program**. The workshop included the current trends in solar power generation, its storage, harnessing and related issues. It has provided an excellent opportunity and unique platform to discuss various research activities, delegate’s country’s solar energy scenario and latest developments in the area of Solar Energy.

Some important scenario of developing countries and other scientific contributions were published in the form of Book by NAM S&T.

In the last session, a meeting was organized by NAM S&T Centre with the eminent scientist and a resolution was passed by them, which was sent to more than 100 ministries of members of the NAM countries.

<http://amity.edu/tspgeh/>



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INTERNATIONAL CONFERENCE
In collaboration with Non-Resident Indians (NRIs)
ON
RECENT TRENDS IN MATERIALS AND DEVICES
ICRTMD 2015
15th – 17th December 2015

Amity Institute for Advanced Research and Studies (Materials & Devices), Amity University Uttar Pradesh, organized the International Conference on 'Recent Trends in Materials and Devices', in collaboration with the Non-Resident Indians (NRIs) and Persons of Indian Origin (PIO), from December 15-17, 2015.

During this conference many top scientists, researchers from different universities/institutions/labs/ from all over the world were participated. Scientists from ministries and companies were also present in this event. ***There were in total approx. 500 delegates joined the conference, from which 26 NRIs share their latest work and technologies.***

We have planned the one special session in support with SERI-DST, on Solar Energy & its commercialization aspects, “**Group Discussion - Materials to Product Manufacturing – The Road Map**”. This provides a road map to take the R&D upto the production level under the “Make in India” program. *In this special session, representatives from Solar Industries, top experts from Ministries and eminent scientist from various corner of the world will participate. Around 50 eminent scientists, industrialist and persons from ministries were contributed in framing the future road map. The session was chaired by Prof. Vikram Kumar (IITD), Dr. Sanjay Bajpai (DST) and Dr. V. K. Jain (Amity).*

The conference consists for technical sessions, Industrial exhibitions and poster presentations. The selected reviewed 200 scientific contributions were published in **Scopus indexed Springer’s publication**.

Open collaborations, MOUs, student exchange programme, invitation by NRIs to faculty to work in their laboratories and an open hearted invitation by our Respected Founder President to NRIs to be associated with Amity as Visiting Professors are the outcomes of the event.

We have offered honorary professorship to 20 top scientists (NRI) and they have accepted. Whenever they are coming to India spent some time with our faculty members and students. We provide them local hospitality.

<http://www.amity.edu/icrtmd2015/>

<http://www.amity.edu/events/eventdetails.asp?id=3771>



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**17TH INTERNATIONAL WORKSHOP
ON
THE PHYSICS OF SEMICONDUCTOR DEVICES
IWPSD 2013
10th - 13th December 2013**

Amity Institute of Advanced Research and Studies (Materials & Devices), Amity University Uttar Pradesh (AUUP), on the invitation of the Society for Semiconductor Devices (SSD), has organized the 17th International Workshop on The Physics of Semiconductor Devices” (17th IWPSD), from 10th to 13th December 2013, along with one day tutorial on 9th December 2013.

The first workshop of this series was organized in 1981 by Solid State Physics Laboratory and since then the workshop has been organized every alternative year at different institutes like IITM, IITB, IITK, NPL, CEERI Pilani, Jamia and SSPL(DRDO). It is highly reputed workshop, internationally, and included in the IEEE conference calendar. The last, 16th Workshop was held in December 2011 at IIT Kanpur.

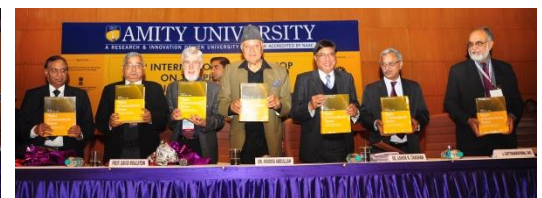
In this workshop, more than 600 participants and more than 100 invited speakers from a large number of countries and from India, have participated. There were more than 325 poster papers and about 200 Research scholars have participated, from all over the world.

A special session on photovoltaics has also been conducted during this workshop on 11th & 12th December 2013. The aim of these two special technical sessions was to discuss the most advanced technology of the high efficiency solar cells. There was also a discussion on the present position as well as research & innovation and also on the market perspective. This special session, sponsored from DST was concluded with a panel discussion to make a short note suggesting the Road-Map to achieve these goals in India, under the chairmanship of Prof. Vikram Kumar, IIT Delhi. Many top scientists, top executives from solar industries from India and abroad and advisors/Directors from ministries participated in this meeting.

The purpose and objective of this workshop was to spread the vast knowledge of semiconductor physics in every possible field to the scientific community. Through this, every latest finding, research and discovery can go ahead to our scientific world. This workshop was also provided each participated research groups to get excellent platform for their interaction as well as collaboration to any other people of same scientific community. This provides full exposure and new platform to our young scientists and research, along with face-to-face discussion with top scientists of particular area, thus, this International workshop was highly beneficial to all the participants, especially, young scientists and researchers.

*Considering the importance of the topic of the conference and quality of the research papers including deliberations, **Springer, New York** has very kindly agreed and published the selected deliberations in the form of book on **'The Physics of Semiconductor Devices'**.*

https://www.youtube.com/watch?v=ne9_WWyILXc



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**INDO - AUSTRALIAN WORKSHOP
ON
SOLAR ENERGY**

**Amity University, Noida
Under Indo Australian Prog**

9th – 10th February 2010

Amity Institute of Renewable & Alternative Energy at Amity University organized a two days Indo - Australian workshop on Solar Energy on Feb. 9 and 10, 2010. Department of Science & Technology (DST) has sponsored the event.

40 Invited speakers including 12 from Australia and more than 170 participants from different country were attended the workshop.

The Australian experts were from different institutes and organizations, Australian National University (ANU), University of South Wales, CSIRO, Monash University, Queensland University of Technology and Amrock Pvt. Ltd., and Sunnergy Pvt.Ltd., Sydney.

Experts from India were from IITs-Madras, Guwahati, Delhi, Kanpur and Roorkee, Delhi University, Delhi Technical University, DRDO and CSIR Laboratories, and Amity University. Scientists from Ministries, DST and MNRE also participated in the Workshop. Experts from many Industries working in solar energy, Moser Baer, Indo Solar and BHEL, were also participated as invited speakers and took active part in technical discussions. The Workshop thus had a very good representation from educational institutions, research laboratories/institutions, industries and ministries.

The Areas, which were chosen as the main themes were:

1. PV Technology

- (1) Silicon Solar cells /New Technologies
- (2) Organic and Dye sensitized solar cells
- (3) Flexible solar cells
- (4) New technologies for PV based on nanotechnologies and on other materials.

2. Solar Thermal

3. Industry perspectives and Government plans and initiatives like solar mission etc.

It was a very successful conference, after this many students correspond with Australian scientists and got opportunity for collaboration during their Ph.D and post doc fellowship.



SEMINAR
ON
FOSTERING SOLAR ENERGY RESEARCH IN INDIA
Jointly organised by Amity University and DRDO
18th November 2008

Amity University jointly with DRDO organized a one day technical Meet & Seminar on “Fostering Solar Energy Research in India” on the 18th November, 2008 at Amity University, Noida.

Conference was financially supported by DRDO and the Infrastructure was provide by Amity University.

Many Scientists from DRDO, IITs, VIT, Delhi University, MNRE and Solar Energy Centre, NPL, JNCASR Bangalore and from Amity University participated, along with many students.

A special panel discussion on Solar Energy were carried out under the chairmanship of Prof. Vikram Kumar, Director, NPL, along with few scientists, Dr. V. K. Jain, Amity University, Dr. S. Sankran, Director, ER&IPR, Dr. Aiyagiri Rao, Advisor DST, Dr. K. U. B. Rao, Director DMSRDE Kanpur.

It was a very successful conference. Research scholars from Amity and many other Universities got a very good collaboration between different institutes of India.