

International Virtual Conference

on

Advances in Functional Materials (AFM 2020)

27th - 28th August, 2020

&

AFM 2020 Pre-Conference International Workshop

on

**Ferroelectric & Piezoelectric Nanomaterials and
Devices For Young Researchers**

26th August, 2020



Organized by



**Department of Physics
School of Applied Sciences
Kalinga Institute of Industrial Technology (KIIT)
Deemed to be University
Bhubaneswar-751024, Odisha, India**

About KIIT

Established as a modest institute in the idyllic city of Bhubaneswar in June 1992, Kalinga Institute of Industrial Technology is now a profound institute for learning with a vision, to build an imperishable society through education which revolves around boundless learning, research, and development. Having been granted the status of Deemed To Be University by the Ministry of HRD, Govt. of India in 2004, KIIT has been accorded the accreditation of the 'A' grade, by NAAC of UGC. KIIT offers more than 100 academic programs ranging from engineering to management, law to film studies. Inculcating global perspective, KIIT stands 8th among the reputed private universities in India, proclaimed as an 'A' category, by the Ministry of HRD, Govt. of India, accredited by IET, UK as well as the 'Tier-1' accreditation (Washington Accord) for all engineering streams by the NBA, and is also a younger member of Association of Commonwealth Universities. In 2019, KIIT was recognized as an Institute of Eminence (IOE) by the Ministry of Human Resource Development (MHRD).

About KISS

KISS, Kalinga Institute of Social Sciences, the first tribal Deemed to Be University in the World which started with 125 poor tribal children in 1993, in a rented house at Bhubaneswar. A sister concern of Kalinga Institute of Information Technology (KIIT), Kalinga Institute of Social Sciences (KISS) with more than 27,000 children and 62 indigenous tribes of Odisha, has been a home for over 37,000 students. KISS is a free of cost, fully residential educational institute, exclusively for penurious tribal children. It is a center of learning for the underprivileged section of the society, with the philosophy of 'Art Of Giving'. UNESCO, UNICEF, UNFPA, as well as the US Federal Government have associated themselves with KISS for several initiatives and programs that have been undertaken by the institute. KISS aspires to work more and plans to open branches in all thirty districts of Odisha and also all the states of India.

School of Applied Sciences (SAS)

School of Applied Sciences (SAS) was established in the year 2009 by strengthening the Department of Basic Sciences formed since 1997. Currently SAS is consisting of three departments Physics, Chemistry and Mathematics. The SAS also offers different courses to most of the UG and PG programme in Engineering, Law, Biotechnology, and Film & media sciences. In addition, the School has vibrant Ph.D. and Masters program in Physics, Chemistry and Mathematics. The faculty members are working on cutting edge research project on various industrial applications.

About Virtual AFM 2020

The Advances in Functional Materials is an International Conference on Virtual Platform. This year we are gearing up for an exciting and informative conference with high quality programs including plenary/keynote lectures, invited talks, and oral presentation on various scientific topics from all around the scientific world.

Objective

The Advances in Functional Materials (AFM) prides itself on being the premier promoter of the research and study of functional materials in the world. As part of our numerous academic programs and projects, we help budding scientist and researchers to present their research findings and papers at our scientific forum.

The AFM 2020 Virtual International Conference is the key forum to present, share and discuss issues and developments across various functional materials disciplines research to an interdisciplinary and international audience. It provides a window on the future of materials and next generation science, and offers an opportunity for researchers, postdoctorates, faculty members, and industry to exchange technical information.

Topics

The conference topics cover, but are not limited to the following:

- Piezoelectric
- Ferroelectric nanomaterials
- Multiferroic nanomaterials
- Magnetic nanomaterials
- Plasmonic nanosystem
- Thin film
- Composite sensors/actuators
- MEMS devices
- Ultrasonic and acoustic devices
- Smart Structures and Systems
- Carbon nanomaterials/Graphene/CNT
- Quantum Dot/2D nanomaterials
- Energy harvesting structures
- Biofunctional nanomaterials
- Modelling and simulation of nanosystems

Abstract:

Interested participants may submit the abstract using abstract templet (1 page, 300 words) through link only.

Proceeding:

E-proceeding of the abstracts will be given to the participants during the conference.

Young Scientist Award AFM 2020 (YSA-AFM 2020):

School of Applied Sciences, Kalinga Institute of Industrial Technology (KIIT) Deemed to be University, Institute of Eminence (IOE), Bhubaneswar, Odisha, India, is pleased to announce Young Scientist Award AFM 2020 (YSA-AFM 2020) to recognize the scientific contribution of outstanding young scientists on Advances on Functional Materials within the last 2 years (between 2018-2020). The deadline is August 20, 2020. To qualify for YSA-AFM 2020, the applicant must be under 35 years of age on August 20, 2020, and the first author or corresponding author of a paper submitted for oral presentation at AFM, 2020. The AFM 2020 KIIT Young Scientist Program Committee will select awardee after peer-review of the applications. For more information and application, see the eligibility criteria.

The eligibility criteria are stated as follows:

1. The topic of the paper must be related to Functional materials, Nanomaterials, Surfaces and Interfaces, Nano Diagnostics, and Devices
2. The paper must be published in a journal, which is in the Q1 Quartile of its category according to Scimago Journal & Country Rank or top 10 percentile according to Incites Journal Citation Reports: <https://www.scimagojr.com>, <https://clarivate.com/products/web-of-science/>
3. The candidate must be either the corresponding author or the first author of the paper.
4. The competition is open to young researchers (Not more than 2 years after Ph.D. graduation date).
5. The papers will be evaluated by an interdisciplinary committee, which will be formed by the Scientific Technical Executive Board of School of Applied Sciences, AFM 2020 KIIT Young Scientist Program Committee.
6. The deadline of the submission is 20th August 2020.
7. The candidates must submit a soft copy of their paper and the application form including a brief summary no longer than 2 pages, documentation of international ranking of the journal in the respective field, the IF-factor of the journal and citations to that the study received, a CV of the candidate and 2 reference letters (one being the M.Sc./M.Tech, Ph.D. or Post Doc adviser) supporting the candidate. The application soft copy should be sent to Dr. S. K. S. Parashar (sksparasharfy@kiit.ac.in).
8. Paper will be selected by the Evaluation Committee according to originality, significance and rigour of the paper, international ranking of the journal in the respective field, the IF-factor of the journal and citation.
9. The finalist will be presenting his/her paper in the AFM 2020, which will be organized on 27-28th August 2020.

The Young Scientist Award AFM 2020 (YSA–AFM 2020) will be announced in valedictory session on August 28, 2020.

AFM 2020 Pre-conference Workshop:

There will be AFM 2020, Pre-Conference Workshop on “**Ferroelectrics & Piezoelectric Nanomaterials and Devices**” for Young Researchers and students on August 26, 2020. Interested participants may register free of cost.

E-certificate:

E-certificate will be provided to all registered participants for Conference and Pre-Conference Workshop for the AFM 2020 (attendance in four sessions will be mandatory).

Who Can Attend?

The target group is young researchers, faculties, scientists, postdoctorates, scholars, students, Industrial personal and start up industry.

Registration Fees: Free

No registration Fees for attending AFM 2020 and Pre-Conference Workshop.

How to Register?

To attend, prospective candidates, such as students, researchers, postdoctorates, faculty members, and industry personals etc are requested to do the following:

1. **Visit the registration link in the AFM 2020 website and register their name as a participant (This step is very important). However, participant can directly visit the registration link through <http://tiny.cc/KIITAFM2020R> or by scan the QR code**



2. **In the registration link there are different mode of participant (i.e, Pre-Conference Workshop or AFM Seminar or Both etc). Please select the proper mode.**

After registration participant will received a confirmation email from the AFM 2020 team. Also note that registration is mandatory in case you require free digitally validated e-certificate.

How to Attend?

Interested participants can attend the AFM 2020 and Pre-Conference Workshop as below:

- (1) **ZOOM Webinar Link:** After the registration a ZOOM webinar ID and password will be sent to the registered email id one day before the scheduled date of the Workshop and Seminar. **Maximum of 1000 participants** can be accommodated in each zoom webinar session.

If the webinar reaches the maximum capacity, the participants are advised to watch the session through YouTube LIVE stream and try to join the next session in the ZOOM Webinar, with the same Zoom ID and Password.

- (2) **YouTube LIVE Stream:** Each session will be live streamed through **KIIT AFM 2020 YOUTUBE LIVE CHANNEL**. **Interested participants are advised to watch the session at YouTube LIVE stream** if you are not able to join ZOOM. You are requested to ask only relevant questions to the resource persons. Please refrain from general greetings like good morning/good evening etc. You may also like to leave words of appreciation below the video in comments (not in chatbox). **Chatbox is reserved only for your questions to speakers.**

KIIT AFM 2020 YOUTUBE CHANNEL LINK and QR CODE: <http://tiny.cc/KIITAFM2020>



(3) WhatsApp group: Join the conference /pre-workshop through **WHATSAPP GROUP** networking among participants, speakers and everyone who has interest in science! **WhatsApp group** also serve as a noticeboard during this program, sharing everything you need to know.

Interested participants can join through below WhatsApp group link.

AFM 2020 (KIIT)

WhatsApp group link



WhatsApp group QR Code (Scan the QR code to join) and link
<https://chat.whatsapp.com/EdOIRW8KkoQ6c8Yh7J1jiM>

IMPORTANT DATES:

Abstract Submission: August 20, 2020

Last Date for YSA-AFM 2020: August 20, 2020

Intimation of Oral Presentation: Aug 23, 2020

Last Date of Registration: August 24, 2020

Date of Conference: August 27-28, 2020

Date of Pre-Conference Workshop: August 26, 2020

Advisory Committee

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NPL, India

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Sabanci University,

Istanbul

Dr. Amritendu Roy

IIT Bhubaneswar, India.

Invited Speakers

Dr. Ram S Katiyar,

University of Puerto Rico, USA

Dr. R. N. P. Choudhary

SOA, University, Bhubaneswar, India

Dr. Hari Srikanth

University of South Florida, USA

Dr. Ashok Kumar

NPL, India

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