

Brief profile of the Department of Physics:

The Department of Physics is involved in teaching UG and PG students of Engineering and Science Programs. The department has highly qualified, motivated and experienced faculty. The department offers a three year M.Sc. (Tech.) Engineering Physics program with specializations in Photonics, Electronics and Instrumentation. The department is actively engaged in research and having a number of sponsored R&D projects. The areas of research include Nanomaterials, Glasses and Glass ceramics, Biomaterials, Luminescent materials, Ferroelectrics, Magnetic materials, Polymer degradation studies, Photonics, Electronics, Biomedical Instrumentation and Radiation physics. The department has liaison with reputed industries and R&D organizations like BEL, CSIR, DRDO, DST, ELOIRA, RCI, ARCI etc.

About NIT Warangal

National Institute of Technology Warangal, formerly known as Regional Engineering College was established in 1959. Over the years it has developed into a premier institute of higher learning and is ranked among the top technical education institutions in India. There are 14 Departments offering 8 undergraduate and 31 post-graduate besides doctoral programs. About 5000 students across the country and about 500 international students study on the campus. It is a fully residential campus sprawling over 250 acres with excellent infrastructure in the form of state of the art library, seminar halls, guest houses and laboratories.

Themes of NCLA-2020

NCLA 2020 envisages diversified and multi-disciplinary technical sessions; amongst few are plenary lectures and an exhibition of equipment and other materials. Latest developments in the field of luminescence research and its applications will be reviewed and the conference is expected to provide an interactive platform to the academia, researchers and the industry. Participations from different industries, universities and academic institutions from all over the country are anticipated.

The organizing committee hereby invites scientists/technologists engaged in basic as well as applied research in Universities, Research Institutions and Industries to participate.

The scientific sessions will comprise plenary talks, invited talks and contributed papers (both oral and poster) on the following topics:

1. Photoluminescence
2. Electroluminescence
3. Thermoluminescence
4. Phosphors and nanophosphors (preparation and characterization)
5. Photonic materials and lasers
6. Luminescence from glasses and glass ceramics
7. Luminescence from organic compounds
8. Luminescence in gemstones and diamonds
9. Luminescence for improving agriculture productivity
10. Optical materials (nanomaterials, quantum dots, biomaterials, ceramics etc.)
11. Optically Stimulated Luminescence (OSL)
12. Mechano, sono and chemiluminescence
13. Optoelectronic devices (LEDs, OLEDs, Fiber optic sensors, etc.)
14. Radiations effects on luminescence and dosimetry
15. Luminescence dating
16. Space dosimetry
17. Luminescence instrumentation
18. Phosphors for LED applications
19. Phosphors for improving efficiency of solar cells
20. Phosphors for bio-medical and security applications
21. Biodegradable phosphor composites
22. Novel applications of luminescence
23. Industrial applications of phosphors
24. Theoretical aspects of luminescence

For further details, please contact:

Dr. D. Haranath (Convener)

Dr. P. Abdul Azeem (Organizing Secretary)

Dr. R. Rakesh Kumar (Joint Secretary)

Dr. T. Venkatappa Rao (Joint Secretary)



NCLA-2020 E-mail: ncla2020nitw@gmail.com

NCLA-2020 Website: <https://ncla2020nitw.wixsite.com/lmdgroup>

About Warangal:

Warangal is the second largest city of the new state of Telangana. It is situated at a distance of 140 km from the state capital Hyderabad (Nearest Airport). It is well connected by Rail (Kazipet Junction is two km away and Warangal Station is 12 km away) and by Road (NH 202). Warangal is renowned for its rich historical and cultural heritage. It was the seat of erstwhile Kakatiya dynasty. It is a seat of tourist attractions with a number of historical monuments like Thousand Pillars Temple, Warangal Fort, Bhadrakali Temple, Ramappa Temple and Lakhnavaram Lake.



National Conference on Luminescence and its Applications (NCLA-2020)

10th - 12th February, 2020

On the eve of
Diamond Jubilee Celebrations of
NIT (REC), Warangal

Call for Registration and Participation

Convener
Dr. D. Haranath

Organized by
Department of Physics
National Institute of Technology Warangal
&
Luminescence Society of India
(Regd. No. Guj/1156 Baroda, Estd. 1990)



International advisory committee

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Dr Alex Ekimov, Nanocrystals Technology Inc., NY, USA
Prof. B.V.R. Chowdari, NUU, Singapore
Prof. K. Ramanujachary, Rowan University, USA
Prof. R. P. Rao, Speciality Phosphors Inc., NY, USA
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Dr. K. Ramagopal, SKU, Anantapur
Dr. L. Giribabu, IICT, Hyderabad
Dr. G. Anil Kumar, IIT, Roorkee
Dr. M. Jayasimhadri, DTU, Delhi

Patron

Prof. N. V. Ramana Rao, Director
National Institute of Technology, Warangal

Chairman of the organizing committee

Prof. K. Venugopal Reddy
Professor & Head Department of Physics

Local organizing committee

Prof. L. Ramagopal Reddy
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Prof. K. Venugopal Reddy
Prof. D. Dinakar
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Dr. K. Uday Kumar
Dr. Aalu Boda
Dr. Hitesh Borkar
Dr. Suryakant Ghosh

Conference language

The conference presentations and deliberations will be in English only.

Call for abstracts

Authors should submit an abstract of an original, unpublished paper not exceeding 300 words excluding figures or tables. The abstract format can be downloaded from the conference website. The abstract must be submitted online by sending e mail to ncla2020nitw@gmail.com. Last date for submission of abstract is **31st December 2019**.

Proceedings

All the abstracts accepted from registered participants will be published in the conference proceeding with ISBN number. Papers presented at NCLA-2020 are planned to be published in the International Journal of Luminescence and its Applications after regular refereeing process. The journal format for manuscripts can be downloaded from the LSI websites: www.lumsocindia.org and <http://ijlindia.org/>.

Accommodation

Accommodation will be arranged for student out-station participants on first come first serve basis in nearby guest houses/hostels and hotels. Participants are required to inform the Organizing Secretaries well in advance. Accommodation charges should be sent in favour of "NCLA-2020", payable at Warangal. List of nearby Hotels and their tariff will be updated on the conference Website:

<https://ncla2020nitw.wixsite.com/lmdgroup>

Registration

Please register at the earliest. Online form is available in the conference website.

Registration fee

Category	Early bird Registration Up to 31/01/2019		Late / On-spot Registration	
	Indian (Rs.)	Foreign (\$)	Indian (Rs.)	Foreign (\$)
LSI Life Members	3000	300	3500	300
Research Scholars/ PG Students	2500	200	3000	200
Accompanying Person	1500	100	1500	100
Delegate from Industry	5000		6000	

• Conference kit including conference bag and abstract booklet, conference proceedings, access to events in the conference program, conference dinner, tea/coffee, snacks and lunch on all three days of the conference.

• The registration fee excludes accommodation charges. Registration fee may be sent in the form of DD in favor of "NCLA-2020", payable at Warangal or remitted through On-line / NEFT to the Bank Account given below:

Account Name	NCLA-2020
Account Number	38882389828
Bank	State Bank of India
Branch	REC Warangal (NIT Campus)
IFSC code	SBIN0020149