

NCLA - 2021

"The science of today
is the technology of tomorrow."



GOVT. V.V.T. PG
AUTONOMOUS COLLEGE
DURG, CHHATTISGARH INDIA

Organized by
Department of Physics
Govt. VYT PG Auto.
College Durg C.G.
India



In Association With
Luminescence Society
of India
(Reg. No. GUI/I 156)

Announcements & Call for Papers

National
Conference on
Luminescence
and its
Applications
NCLA – 2021

‘Hybrid Mode’

9-11 Dec 2021

DEPARTMENT OF PHYSICS

The department was established in 1958, PG course was started in 1965. Very highly distinguished and learned professors were among the faculty. The department is actively engaged in research and having a number of sponsored UGC/CCOST/DST projects. The areas of research include Luminescent materials, Nanomaterials, Organic LED's & Photovoltaic Cell. Photonics, Electronics, Biomedical Application of luminescent materials and Radiation physics.

GOVT VYT PG AUTONOMOUS COLLEGE, DURG

Government Vishwanath Yadav Tamaskar Post-Graduate Autonomous College, Durg is a leading higher education institution in Chhattisgarh.

It is affiliated to Hemchand Yadav University Durg. The college has been conferred with the status of autonomy by UGC in 1989. The college was accredited with grade 'A +' by NAAC in the second cycle, and has been recognized by UGC as 'College with Potential for Excellence' (CPE), receiving the grant under I, II & IIIrd Phase of the scheme. Five departments from faculty of Science and one from Social Science have been identified by UGC under CPE scheme as highly rated departments

About the College

The institute has been shortlisted and recognized under DBT Star College Scheme by the Department of Biotechnology (DBT) Govt. of India. Under this scheme 6 departments from faculty of Science have been selected for providing financial support. The Department of Chemistry was recognized under Funds for improving Science and Technology Infrastructure (FIST) Scheme by Department of Science and Technology, Govt. of India. The college has the distinction of being one of the 20 prominent institutions across the country to have been selected for providing suggestions on National Higher Education Qualification Framework (NHEQF) of India.

The college offers UG and PG courses in Science, Arts and Commerce streams. Equipped with 21 teaching departments, including 17 PG departments, and 104 faculty members, it has 15 departments as recognized research centres, namely Hindi, English, History, Political Science, Sociology, Geography, Commerce, Physics, Chemistry, Botany, Zoology, Geology, Mathematics, and Biotechnology department.

Department of Physics, Chemistry, Maths, Botany, Microbiology, Biotechnology, Geology have research collaborations with national and international institutes of high repute. Many of the departments render paid as well as free consultancy services for sharing their knowledge resources for the benefit of institutions and society.

The college houses study centres of IGNOU and Pt. Sundarlal Sharma Open University

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President Luminescence

Society of India

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Organising Secretary:

Dr. Abhishek Kumar Mishra

Assistant Professor,

Department of Physics,

Govt. V.Y.T.PG. Auto.

College Durg,

+917985629641

The college has a strong, committed and dedicated teaching faculty of 68 PhD holders and 5 M.Phil. holders. There are 46 non-teaching members and 38 daily wage employees. The teaching faculty is actively engaged in research work. A number of co-curricular and extracurricular activities are regularly organized throughout the year. This has also been acknowledged by NAAC peer team in their report. The college had a humble start with just two rooms that housed Arts and Science faculty, at the local Hindi Bhawan. The foundation stone of the present building was laid by the then Chief Minister of Madhya Pradesh Dr. Kailash Nath Katju in November, 1958. It was shifted to its present site, campus of 21.75 acres, in 1962. Since then the college is continuously growing in terms of infrastructure and learning resources in its journey towards excellence. The college served as a major resource to provide man-power to Bhilai Steel Plant.

This led to a breakthrough in socio-economic transformation of this region. Presently the college is one of the biggest Govt. Colleges in Chhattisgarh, a Lead College* of Durg district that provides administrative and academic support and guidance to 56 colleges of the district. The college has student strength of about 6000 in the current session. It holds the unique opportunity of being a mixed bowl of urban, tribal and rural students, majority of them being first generation learners.

The college, since its inception, is serving the society in a significant way by providing higher education to first generation learners. This is a distinctive feature of this institution. Durg is well connected in the main route of Hawrah-Mumbai rail and is 40 km away from Raipur airport.

Luminescence Society of India

Luminescence Society of India (LSI), formed in 1990, provides a forum for interaction for Indian scientists and technologists having affiliation to different universities and research institutions in the field of luminescence and their applications by organizing annual conferences regularly. Four international conferences were successfully organized wherein Indian researchers were joined by a large number of foreign scientists. During the past twenty-five years, in addition to scientific sessions, there has been an increase in the participation of delegates from industry as exhibitors of their products and for technical presentations. Moreover, rapporteur and oral sessions are being held regularly for the past 20 years in order to accommodate the papers of all participants in the technical sessions.

The Conference

National Conference on Luminescence and its Applications (NCLA-2021) is a prestigious event of the Luminescence Society of India (LSI). NCLA-2021 is going to be held during 9th-11th December, 2021 at Durg being organized by Government V.Y.T.PG. Autonomous College Durg, C.G., India in association with Luminescence Society of India (LSI).

Luminescence Society of India had organized an International Symposium cum Workshop on Luminescence Materials (ISWLM-2015) during 18th-19th December, 2015 at Baroda, India as a celebration in the YEAR OF LIGHT-2015. Since the inception of LSI, this conference is the 27th in a series of annual conferences organized by LSI. The conference is the follow-up of previous ones NCLA-2020 (NIT Warangal) ICLA-2019 (Raipur), NCLA-2018, [CSIR, Trivandrum], R.T.M. Nagpur University, Nagpur (NCLA-2017), rd University, NCLA-2016, earlier International & National conferences held at PESIT, Bengaluru (ICLA 2015), Jabalpur (NCLA 2014), Bengaluru (NCLA 2013), IICT, Hyderabad (ICLA 2012), Pt RSS University, Raipur (NCLA 2011), GRU, Gandhigram (NCLA 2010), CGCRI, Kolkata (NCLA 2009), NPL, New Delhi (ICLA 2008), BU, Coimbatore (NCLA 2007), SGB University, Amravati (NCLA 2006), BU, Bengaluru (NCLA 2005), BARC, Mumbai (ICLA 2004), NPL, New Delhi (NCLA-2003), RDU, Jabalpur (NCLA-2002), OU, Hyderabad (NCLA-2001), MSU, Baroda (ISLA-2000), MU, Imphal (NCLA-1998), Bilaspur (NCLA-1997), RU, Raipur (NCLA-1995), MS University of Baroda (NCLA-1992).

Themes of NCLA-2021

NCLA 2021 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:

Luminescence

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**

Conference Language

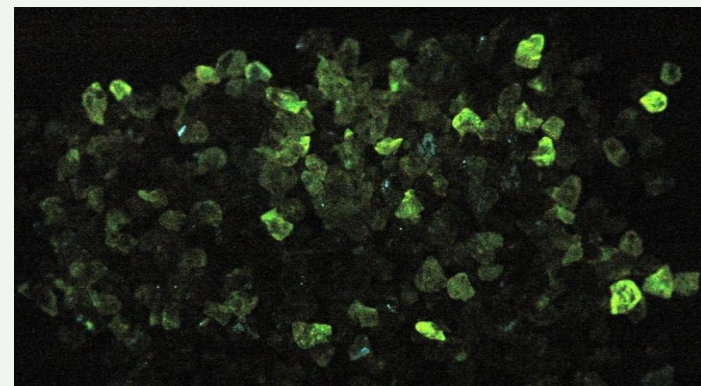
The conference presentations and deliberations will be in English.

Call for Abstracts

Authors should submit an abstract of an original, unpublished paper not exceeding 500 words without figures or tables. The abstract format can be downloaded from the conference/LSI web sites. The abstract must be submitted online through conference web site 'www.lumsocindia.org'. Each registered participant can submit two abstracts only. If there is any difficulty during the abstract submission please contact via e-mail: ncla2021durg@gmail.com

Proceedings

All the abstracts accepted from registered participants will be published in the conference proceeding with ISBN number. Papers presented at NCLA-2021 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 conference/LSI/journal web sites i.e. 'www.lumsocindia.org', 'ijlindia.org'.



Conference registration and submission of abstract can be made online through the official website 'www.lumsocindia.org'.

Registration fee to: Luminescence Society of India

By Bank Transfer: Bank of Baroda, AC No.05780100004045

Swift Code : BARB0DANDIA (0=ZERO)

With an intimation e-mail to Organizing Secretary, NCLA-2021: e-mail: ncla2021durg@gmail.com

Indian Delegates should register on or before 30th November, 2021

Registration Fees

LSI Life Members

Till 30th November, 2021: Rs. 3,000/-
(Off line)

After 30th November, 2021: Rs. 3,500/-
(Online)

Students

Till 30th November, 2021: Rs. 1,500/-
(Online)

After 30th November, 2021: Rs. 2,000/-
(offline)

Delegate registration fee will cover
Conference Literature (kit), Working
Lunch, Dinner, Tea & Snacks.

#Students should send their registration
form through their guide.

*Accompanying person's registration fee
(Rs.2000) will cover working lunch,
dinner, tea & snacks.

About Durg

Situated on the east bank of river Shivenath, District Durg is herald of Chhattisgarh's Industrial Development, Cultural competence, Social harmony and Meaningful use of resources. It is a symbol of status, prestige and glory of Chhattisgarh. History of Durg is like conducive inspiration which is unique mixture of oldness and modernity, culture-rite and entrepreneurship. Bhillai known as "Mini India" for Industrial development, social harmony and cultural diversity is a twin city of Durg. Durg is well connected in the main route of Hawrah-Mumbai rail and is 40 km away from Raipur airport.

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 paid at registration counter in cash.

For accommodation contact:

Dr. Abhishek Mishra
Mobile No. 7985629641

Mr. Neeraj Verma
Mobile No. 8109797483

Note: All requests for accommodation should be submitted via e-mail:
ncla2021durg@gmail.com

Prizes for Posters

Nucleonix Systems Pvt. Ltd,
Hyderabad is sponsoring the prizes for the best posters.

Souvenir

A souvenir is planned to be released during the inaugural function of the conference. It includes program schedule, keynote address, plenary lectures and advertisement from companies/ organizations on high quality A4 size matlitho paper. Advertisements are solicited from companies/ organizations as per the tariff given below.

Outside back cover (multicolor) :
Rs. 25,000/-

Inside front/inside back cover (multi color)
: Rs. 20,000/-

Inside full page (Black & white) :
Rs. 10,000/-

Exhibition

It is planned to have a commercial exhibition of different types of luminescent materials and equipment's including PC based analytical and nuclear equipment's from both industries and laboratories for display of products. The stall (dimension: 3m x 2m) charges are Rs. 25,000. For the details please contact the Convener, NCLA 2021.

Indian Invited Speakers/ Technical Speakers

Prof. Dorendrajit Singh
Prof. Namita Brahme
Dr. M.D. Sastry, GII, Mumbai
Dr. K.V.R. Murthy
Dr. S.J. Dhoble, RTMNU, Nagpur
Dr. K.V.K. Gupta, Hyderabad
Dr. B.N. Jagtap, BARC, Mumbai
Dr. A.R. Lakshmanan, IGCAR, Mumbai
Dr. B.S. Panigrahi, IGCAR
Dr. A.K. Tyagi, BARC, Mumbai
Dr. L. Giribabu, IICT, Hyderabad
Dr. K.R. Nagabhushana, India
Dr. Y.H. Gandhi
Dr. D.P. Bisen
Prof. S.K. Omanwar
Prof. P. D. Sahare
Dr. M.S. Kulkarni
Dr. D.R. Mishra
Dr. Anuj Soni
Shri R.B. Rakesh
Dr. M. Mahapatra
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Dr. J.N. Reddy
Dr. K.V.K. Gupta
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NCLA-2021

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Dr. Vikas Dubey

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**Note: All the abstracts and
accommodation requests should
be submitted via e-mail only to:
ncla2021durg@gmail.com**



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