

Report

6th International Conference on Luminescence and its Applications (ICLA-2019)

The 6th International Conference on Luminescence and its Applications was organized by School of Studies in Physics and Astrophysics, Pt. Ravishankar Shukla University, Raipur and Luminescence Society of India (LSI) and Co-organized by NIT, Raipur and Govt. N.P.G. Science College, Raipur. It was a four- days conference held from 7th – 10th January, 2019 at Pt. Deendayal Upadhyay Auditorium.

On the first day i.e. on 7th January 2019 the conference was inaugurated by chief guest honourable minister of higher education C.G., Guest of honour Dr. J. N. Reddy, Nucleonix Hyderabad, Mr. Vijay Kumar Gupta, ELCINA, Hyderabad, Keynote Speaker Prof. Marek Grinberg, Poland, President of LSI, Prof. KVR Murthy, Prof. K.L. Verma, Vice-Chancellor, Pt. R.S.University Raipur, Prof. S.K. Pandey, former Vice chancellor, Pt. R S U Raipur, Dr. A. M. Rawani, Director, NIT, Raipur, Dr. D. N. Varma, Principal, Govt. N. P.G.Science College, Raipur, Dr. Sandeep Vansutre, Registrar, Pt. R. S. U. Raipur, Dr. D. P. Bisen, Secretary LSI. After the formal inauguration, welcome speech was delivered by Prof. Nameeta Brahme, Prof. & Head, SoS in Physics and Astrophysics. Dr. Sandeep Vansutre, Registrar, Pt. R. S. University, Raipur presented a brief introduction of University. Dr. A.M. Rawani gave a brief introduction of NIT, Raipur (C.G.), After that D.N. Verma, Principal, Govt. N.P.G. Science College, Raipur congratulates Pt. R.S. University, Raipur for organizing ICLA-2019. Dr. KVR Murthy, President LSI gave the short review about LSI and the ICLA. Then Dr. J.N. Reddy and Mr. Vijay Kumar Gupta delivered their speeches.

In felicitation ceremony Prof. S.K. Pandey, former vice-chancellor, Pt. RSU Raipur (C.G.) and Prof. S.J. Dhoble, RTM University, Nagpur was honoured for their extra ordinary contributions in teaching and research. Honourable chief minister of CG Umesh Patel release the abstract of book. The speech related to the information about Pt. RS University was delivered by our Vice-chancellor, K.L. Verma. The last but not least, Vote of thanks was delivered by the secretary of the LSI Prof. D.P. Bisen.

Technical Session-1

The technical session was opened with keynote lecture by chairman Prof. Marek Grinberg, Gdansk University, Poland, on the topic compensation Mechanism of Ln^{3+} replacing divalent cations in dielectric compounds. Two Plenary talks were given by Dr. K.V.K Gupta on 1 quality photonics and Sachin Shah on Crompton lighting Division. Prof. K.V.R. Murthy and Prof. Sonia Tatumi, Brazil, chaired the session.

Technical Session-2

Technical session II was chaired by Prof. K. Somaiah and Prof. S.K. Omanwar SGBA University, Amravati. Dr. B.S. Panigrahi, IGCAR, Kalpakkam and Prof. S. J. Dhoble, RTM University, Nagpur gave their invited talk.

Technical Session-3

In III technical session 6 technical talks and 6 oral presentations were performed. Technical talks were related with evolution and application methods on LED phosphor.

Technical Session-4

The chairperson of the session were Prof. V. Natarajan and Prof. K.K. Dubey. Technical talk was delivered by Dr. Lovedy singh, Imphal. His talk was about the deconvolution of Pure Al_2O_3 by new general order kinetics, this new general order kinetics provide a better understanding of the analysis he informs. 6 oral presentations were made in the session.

A colourful cultural event was organised by Faculty of SoS in Chemistry and the students of Girls College.

Inaugural Function Photos



Photos Technical Session First Day



Prof. Marek Grinberg



Dr. B.S. Panigrahi



Dr. K.V.K Gupta



Prof. S.K. Omanwar



Prof. S. J. Dhoble

Cultural Event Photos





On the second day of the conference i.e. on 8th January 2019, in technical session 5 Dr. D. K. Koul from BARC delivered his technical talk and 2 oral presentations were made. In another parallel session 6, Prof. P.D. Sahare from Delhi University, Prof. Nameeta Brahme from Pt. RSU Raipur have delivered their invited talk.

In technical session-7 Prof. G. Krishnamoorthy, IIT, Guwahati gave plenary talk. Prof. Ravindra Pandey, MTU, USA gave lecture on Optical property of Caumarins. Dr. D. Haranath, NIT, Varangal gave talk on Innovative Electroluminescent Display from phosphor session. The session was ended by Dr. Govind Nair, South Africa.

In technical Session-8 there were total 4 technical talk respectively by Prof. A. R. Lakshmanan, J. N. Reddy, Dr. V. Siva Kumar and Ashwini Kumar Sharma. The session got over with tea cum poster session.

Technical session 9 was Poster session. 90 posters were displayed by participants coming from all over India.

Photos Technical Session Second Day



Dr. D. K. Koul



Prof. P.D. Sahare



Prof. Ravindra Pandey



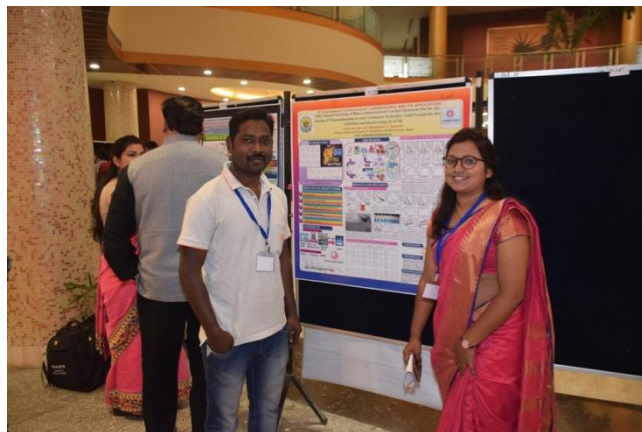
Dr. D. Haranath



Dr. Govind Nair

Photos Poster Session Second Day





On the third day **technical session 10** started with five technical talks, Rajamouli Boudhula, Gujarat, Dr. Senthil Selvan, Madras University, Chennai, Prof. S. Dorendrajit Singh, Imphal, Prof. KVR Chary, USA and Dr. M T Jose talk about Luminescence of Boron's Retrospective Dosimetry program at ICRR. Dr. D. Haranath and Prof. Anjali Oudia were the chairperson of technical session 10.

In another parallel session **technical Session-11**. Technical talks were delivered by L. Robindro Singh, Imphal about Thermoluminescence, Dr. Rakesh Kumar Rai, Ujjain about Mechanoluminescence. Dr. B.N. Lakshmi Nararappa about TL intensity of ion irradiated nanophosphor.

Technical Session-12 started with the lecture of Prof. KVR Murthy and chairperson was Dr. V. Natarajan. Plenary talk was given by M D Sastry on PL, TL and OSL in the detection of synthetic diamonds. After that Prof. Sonia Tatumi, Brazil, Ajay Kumar Kushwaha and Dr. Manoj Jaiswal have given their invited talk.

Technical Session-13

Prof. Jagjeet Kour was the chairperson and technical talks were given by Dr. V Sudarshan, P Morthekai and Dr. SMM Kennedy. 8 oral presentations were there.

In Technical Session-14 about 50 Posters were displayed by participants from all over India.

Photos Third day Technical Session



Prof. S. Dorendrajit Singh



Dr. Senthil Selvan

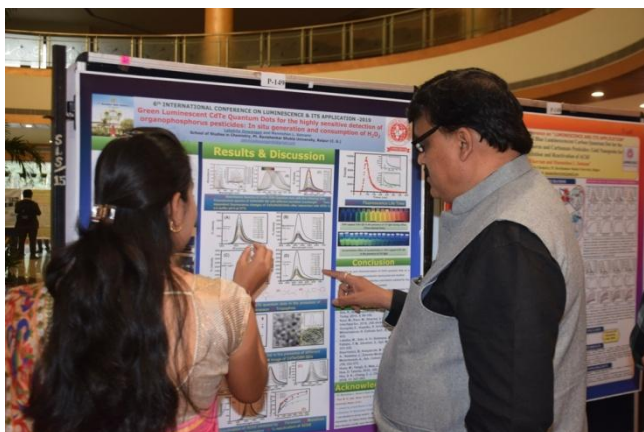
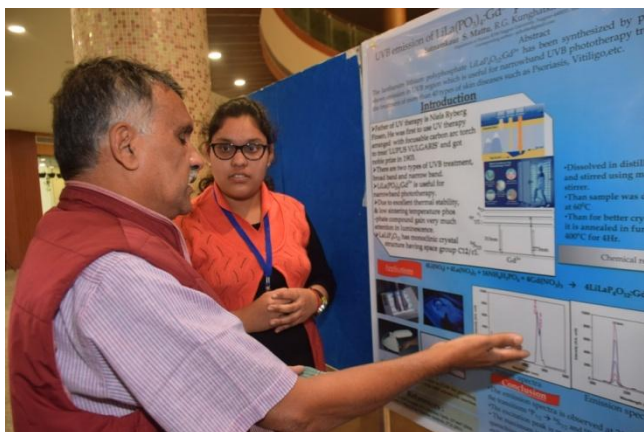


Prof. Sonia Tatumi



Dr. Ayush Khare

Photos Poster Session Third Day



On the Fourth day the **Technical session 15** was chaired by Dr. S. M. Kennedy and technical talk was delivered by Sudheshna Ray her talk was about designing characteristics and Luminescence study of new inorganic based luminescence material.

In technical session 16 Chairperson were Dr. B. S. Panigrahi and Y. H. Gandhi. There were total 8 oral presentations in this session.

At last the closing ceremony and prize distribution for oral and poster of this program was held vote of thanks was delivered by Prof. Nameeta Brahme. Then feedback session has also been held and most of the participants gave positive feedback.

And finally the 4 days ICLA-2019 had been successfully completed. All the participants, students from other states as well as other countries gain new ideas and many more in the Luminescence field from the well knowledgeable experts of our country as well as foreign country. They seem to be very happy after attending the conference.

Technical Session Photos Fourth Day



Prize Distribution Photos





Such type of program will be very helpful for the young researchers.

The conference ended with Annual general body meeting of LSI in which Prof. D. P. Bisen, Secretary LSI did deliver about the budget. Last but not the least the decision about next NCLA 2020 was made to be held under the convenership of Prof. Dorendrajit Singh, Imphal in Manipur University, Chanchipur on 24th -26th Feb. 2020.



Organizer

**School of Studies in Physics and Astrophysics
Pt. Ravishankar Shukla University, Raipur, C.G, INDIA
&
Luminescence Society of India (LSI)**

Co-organizers

**National Institute of Technology, Raipur, C. G, INDIA
&
Govt. Nagarjuna Science College Raipur, C. G., INDIA**