

23RD INTERNATIONAL CONFERENCE OF INTERNATIONAL ACADEMY OF PHYSICAL SCIENCES

(CONIAPS XXIII)

On

ADVANCES IN PHYSICAL SCIENCES

TO ACHIEVE SUSTAINABLE DEVELOPMENT GOALS (SDG)

NOVEMBER 16-18, 2018

Organized by

NEPAL ACADEMY OF SCIENCE AND TECHNOLOGY (NAST) KATHMANDU, NEPAL



OBJECTIVES: The 23rd International Conference of International Academy of Physical Sciences (CONIAPS XXIII) on **Advances in Physical Sciences to meet Sustainable Development Goals (SDG)** aims to provide an opportunity to Researchers and Professionals from Institutes, Universities, Colleges and Industries across the world to share their recent researches and views in different fields of Physical Sciences and their Applications for the ultimate benefit of the Society. The conference will embrace Keynote Address, Fellowship Award Lectures, Swami Bhajanand Saraswati Vedic Science Award Lecture and other Plenary Lectures, Invited Lectures, Young Scientist Award (YSA) presentations and Paper Presentations (oral and poster). CONIAPSXXIII will include a broad set of research areas related to Physics, Chemistry, Mathematics, Statistics, Electronics, Material Sciences, Computer Sciences and Informatics, Bio-Informatics, Bio-Physics and Earth Sciences.

THE IAPS: International Academy of Physical Sciences (IAPS), established on December 4, 1994 with its headquarters at Allahabad, India is conceived as a scientific body incorporating various branches of Physical, Mathematical and Earth Sciences such as Physics, Chemistry, Mathematics, Statistics, Geology, Geophysics, Geography, Computer Science, Biochemistry, Biophysics, Bioinformatics etc. The IAPS is a scientific organization of recent origin but it has already made its mark by involving in it through membership, fellowship and its activities, a large number of scientists of India and abroad, and its publications are helping in the expansion of scientific knowledge. It has organized twenty one international conferences and several symposia on interdisciplinary themes in collaboration with reputed institutions in India and abroad so far.

THE HOST INSTITUTION: The Nepal Academy of Science and Technology (NAST) was founded in 1982. In its inception, it was established as an autonomous academic body, which was given additional autonomy by Parliament in 1992. It is an apex body in the country aimed to improve and promote indigenous technologies, research in science & technology and to identify and facilitate appropriate technology transfer. The main objectives of NAST are:



NAST Research Lab

- To develop the national science and technology policies of Nepal.
- To work for the advancement of science and technology.
- To preserve and modernize the indigenous technologies of the country.
- To promote the research activities in Science and Technology.
- To Identify and facilitate the technology transfer.

REGISTRATION FEES

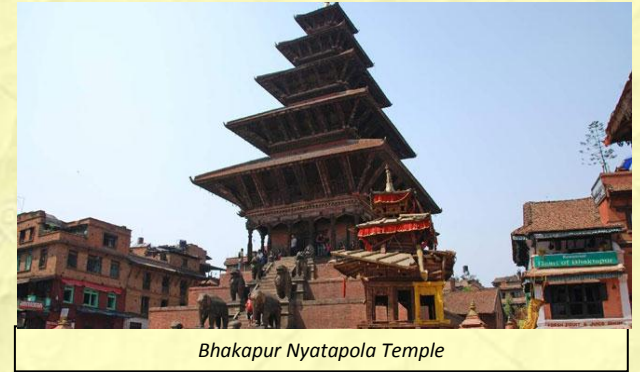
Dead line for Early Registration	Participants from	General	Non stipendiary students
October 10, 2018	Nepal	NR 5000	NR 2500
	India	INR 7000	INR 4000
	Other Countries	\$60 (Without Accommodation)	\$40 (Without Accommodation)

- For each accompanying person extra Rs. 5000 (for Indian)/\$60 (Other Countries)
- **A rebate of 10% in registration fee for Life Members of the IAPS**
- Registration fee can be paid in Cash/Demand Draft/Online. The Demand Draft in favour of "NAST" can be paid at the time of Registration.
- The last date for Registration Fees Submission is October 10, 2018.
- **Account Details for Registration Fee submission are as follows:**
Account Name: Nepal Academy of Science and Technology (NAST) Account Number: 1206113-001000-524 Bank: Nepal Rastra Bank, Swift Code: NRBLNPKA
- Registration includes conference kit and accommodation with moderate facility for three nights for the participants from India.
- Participants who want to have their own accommodation arrangement can do so. The organizer can help to look for suitable hotel.

THE CITY OF KATHMANDU: Kathmandu is the capital city of the Federal Democratic Republic of Nepal. The Kathmandu valley comprises three major cities viz. Kathmandu, Lalitpur and Bhaktapur. The overall population of the valley is about 5 million. It is situated approximately 1,400 metres (4,600 feet) above sea level. The Kathmandu valley has been recognised for a long time as a cultural hub of Nepal and it has many world heritage sites recognized by UNESCO. Kathmandu has been the

centre of Nepal's history, art, culture and economy. The majority of the populations in the city are Hindu and Buddhists though population pattern here is multi-ethnic. Tourism is an important part of the economy as the city. This city is the gateway to the mountains and Himalayas. In 2013, it has been ranked third among the top ten upcoming travel destinations in the world and first in Asia by Trip Advisor. Kathmandu is a beautiful place to visit. One can have a panoramic view of Himalayan range from the city itself or from the nearest hill Nagarkot. Nagarkot is famous for the sunrise view, view of the *Himalaya range* and view of the Mount Everest.

Religiously, Kathmandu valley is very famous for having several temples including Pashupatinath, Doleswar Mahadev, Bhaleshwor, Bouddhanath, Swayambhunath, Budhanilkatha etc. Kathmandu valley is surrounded by four major mountain peaks, viz, Shivapuri, Phulchowki, Nagarjun and Chandragiri. One can enjoy the bird's eye view of Kathmandu valley from the Chandragiri hill. The 2.5 km cable car ride takes 9 minutes to reach the Chandragiri Hill's top station.



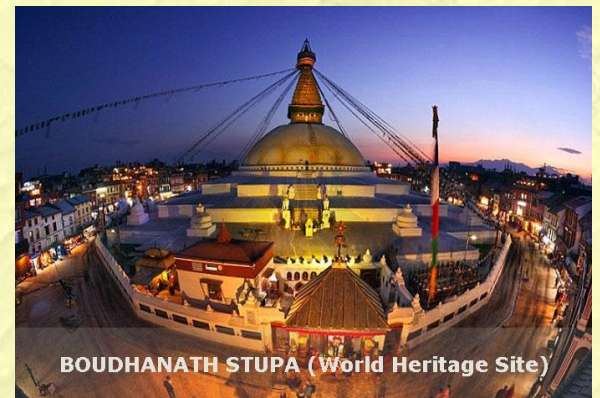
Bhakapur Nyatapola Temple

HOSPITALITY: Delegates registered on or before **October 10, 2018** will be provided accommodation (on share basis), conference material, breakfast, lunch and dinner. Delegates registered after October 10, 2018 will have to make their own arrangements for accommodation.

HOW TO REACH: Nepal Academy of Science and Technology (NAST) building is located at Lalitpur, which is about 5 km towards south-west from the Tribhuvan International Airport (Kathmandu) and about 10 km towards south from the main Bus park of Kathmandu (Gongabu). Night Buses run from nearly all parts of Nepal which reach Kathmandu in morning hours at about 8:00 to 10:00 AM. As there might be some chances of road blocks for certain hours, delegates are recommended to arrive Kathmandu one day prior to the inauguration of the conference.

Bus Route: Nearly from all parts of India, there are train services upto Nepal boarders (like Kakarvitta, Birgunj, Bhairahawa, Nepalgunj, Dhangadhi, Mahendranagar etc.). From these Terai boarders, one can use the **night bus route** or **flight route**.

Flight Route: Flights are also available from major cities of Nepal (like Bhadrapur, Birgunj, Biratnagar, Bhairahawa, Nepalgunj, Dhangadhi and many hilly regions of Nepal). Flight services to Kathmandu are available from most of the major cities of India (like Varanashi, Delhi, Calcutta etc.). For other foreign delegates, flight services to Kathmandu are available from the most of the countries.



BOUDDHANATH STUPA (World Heritage Site)

CONFERENCE COORDINATION COMMITTEE:

- PATRON:** Prof. Jiba Raj Pokharel, Vice-Chancellor, Vice Chancellor, NAST, Nepal
CHAIRMAN: Prof. Ram Man Shrestha, Academician, NAST, Nepal
CONVENER: Dr. Buddhi Ratna Khadge, Secretary, NAST, Nepal
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MEMBER: Dr. Suresh Kumar Dhungel, Scientist, Faculty of Technology, NAST, Nepal
MEMBER: Dr. Buddha Ram Sah, Scientist, Faculty of Science, NAST, Nepal

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 Prof. M. Nakamura, Toho University, Japan

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Prof. Anatoly N. Filippov, Gubkin Russian State University of Oil and Gas, Moscow
Prof. O. D. Makinde, Stellenbosch University, South Africa
Prof. Tanka Nath Dhamala, Academician, NAST, Nepal
Prof. Kanaiya Jha, Dean, Kathmandu University, Nepal

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COUNCILLOR: Dr. Bharat Dholkia, Surat, Gujrat, India
COUNCILLOR: Dr. YumnamRohen, Imphal, Manipur, India

SUBMISSION OF PAPERS: Abstract of research papers intended for presentation be submitted on the conference

E-mail coniapsxxiii@gmail.com as the MS-wordfile latest by **September 30, 2018**.

Template for abstract compilation is available on the conference web-link <http://www.nast.gov.np>. The abstract restricted to maximum 500 words, must contain the title of the paper, name of each author with affiliation and email address. **The name of the presenting author must be underlined.** One paper/abstract will be submitted against one registration. Papers presented in the Conference will be published in the Journal of IAPS after review.

YOUNG SCIENTIST AWARD (YSA): Contributors with age below 35 years as on **November 15, 2018** may submit their single authored (may be with supervisor) full length original research paper, not a published work, latest by **September 30, 2018** for participation under Young Scientist Award Category presentation. Only one paper can be submitted against one registration. Participants under this category have to produce their age certificate at the time of presentation. The age certificate may also be sent along with full research paper through conference E-mail.



Patan Durbar Square



Budhanilkantha Temple

TENTATIVE LIST OF INVITED SPEAKERS:

CHEMICAL & BIOLOGICAL SCIENCES

Prof. Dr. Rameshwar Adhikari, Executive Director RECAST, T.U., Nepal
Prof. Dr. Krishna Das Manandhar, Head, Department of Biotechnology, TU, Nepal
Prof. Dr. Ram Chandra Basnet, Head, Central Department of Chemistry, TU, Nepal
Prof. Dr. Tribikram Bhattarai, Associate Academician, NAST, Nepal
Prof. Dr. Paras Nath Yadav, Associate Academician, NAST, Nepal
Prof. Dr. Amar Yadav, President, Nepal Chemical Society, Nepal
Prof. S.N. Upadhyaya, Former Director, I.I.T., B.H.U., Varanasi, India
Prof. S. Natrajan, Indian Institute of Science, Bangalore, Karnataka, India
Prof. D.S. Pandey, Institute of Science, BHU, Varanasi, Uttar Pradesh, India

MATHEMATICAL SCIENCES

Prof. Michel Nguiffo Boyom, IMAG, University of Montpellier, France
Prof. Dr. Kedar Upreti, Head, Central Department of Mathematics, Nepal
Prof. Dr. Sailendra Kumar Mishra, Academician, NAST, Nepal
Prof. T. Venkatesh, Rani Channamma University, Belagavi, Karnataka, India
Prof. P.R. Sharma, Former Dean Science, Rajasthan University, Jaipur, India
Prof. B. Shankar, Former Dean Science, Osmania University, Hyderabad, India
Prof. D.K. Bhattacharya, Rabindra Bharati University, Kolkata, India
Prof. U.C. De, University of Calcutta, West Bengal, India
Prof. S.K. Pandey, Head Mathematics, I.I.T., B.H.U., Varanasi, India
Prof. Anil Kumar Vashistha, Kurukshetra University, Kurukshetra, Haryana, India

PHYSICAL & COMPUTER SCIENCES

Prof. Pitamber Singh, Bhabha Atomic Research Centre, Mumbai, Maharashtra, India
Prof. Aparajita Ojha, Former Director, I.I.T., Jabalpur, Madhya Pradesh, India
Prof. Ashok Nagawat, Rajasthan University, Jaipur, Rajasthan, India
Prof. P.K. Bajpai, Gurughasi Das University, Bilaspur, Chhattisgarh, India
Prof. Rajeev Manohar, University of Lucknow, Lucknow, Uttar Pradesh, India
Prof. Ravindra Dhar, University of Allahabad, Allahabad, Uttar Pradesh, India
Prof. Dr. Devi Dutta Paudel, Academician, NAST, Nepal
Prof. Dr. Uday Raj Khanal, Professor, T.U., Nepal
Prof. Dr. Binil Aryal, Head, Central Department of Physics, T.U., Nepal
Prof. Dr. Deepak Raj Subedi, Professor, Kathmandu University, Nepal
Prof. Dr. Lalu Paudel, Head, Central Department of Geology, T.U, Nepal
Dr. Rajan Kumar Dahal, Associate Academician, NAST, Nepal

CONIAPSXXIII IMPORTANT DATES:

Full Text Paper Submission for YSA	On or before September 30, 2018
Abstract/Paper Submission for Presenters	On or before September 30, 2018
Notification of Acceptance	October 05, 2018
Registration Fees Submission	On or before October 10, 2018
CONIAPSXXIII Conference Dates	16-18 November 2018

CORRESPONDENCE:

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