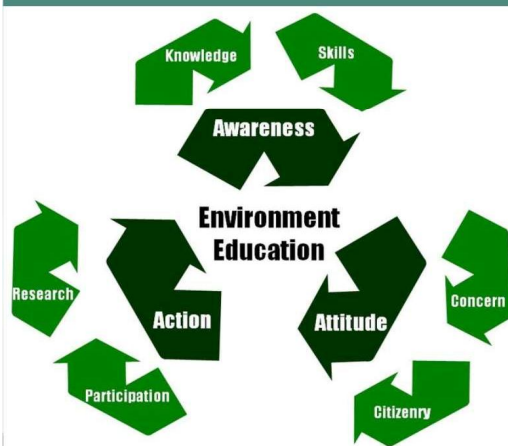


International Workshop  
on  
**TECHNOLOGICAL INNOVATION AND MANAGEMENT  
FOR SUSTAINABLE DEVELOPMENT**

*(For Greener, Safer & Smarter World)*

27-29 March 2018  
Gwalior, Madhya Pradesh, India



**Centre for Science and Technology of the Non-Aligned  
and Other Developing Countries (NAM S&T Centre)  
New Delhi, India**



**ITM University,  
Gwalior, Madhya Pradesh, India**

## **INTRODUCTION**

The 2030 Agenda for Sustainable Development was adopted at the United Nations Sustainable Development Summit on 25<sup>th</sup> September 2015, which includes a set of 17 Sustainable Development Goals (SDGs) with 169 targets to end poverty, fight inequality and injustice, and tackle climate change by 2030. Science, Technology & Innovation (STI) has a direct or indirect bearing in the implementation of almost all these Goals and to achieve the targets thereof. The Goal 7 is to ensure access to affordable, reliable, sustainable and modern energy for all which is proposed to be achieved by increasing substantially the share of renewable energy; doubling the global rate of improvement in energy efficiency; advanced and cleaner fossil fuel technologies; and expanding infrastructure and upgrading technology for supplying modern and sustainable energy services and international cooperation to facilitate access to clean energy research and technologies. Further the Goal 13 calls for urgent action to combat climate change and its impacts and strengthen resilience and capacity for climate change mitigation, adaptation, impact reduction, and early warning.

The fossil fuels are the largest source of carbon dioxide, a greenhouse gas which contributes to climate change and their production causes both environmental and human health impacts. These concerns are triggering the world to look at alternate sources of energy that are both less harmful and renewable. Additionally, due to gradual depletion of conventional fossil fuel reserves, it is essential for all the nations to adopt newer and renewable sources of energy.

As the climate patterns shift, so too does typical weather, rainfall, sea levels, ocean acidification levels, Arctic glaciers, extreme weather events, animal habitats, and species population levels. These changes disrupt nature's fragile balance. The effects of climate change are having numerous negative consequences for the humanity, especially impoverished people. However, the promise of renewable energy can only be realised through significant investments in technological innovation including research and development and transfer of technologies on alternative, sustainable technologies such as solar, biomass, wind, hydropower, geothermal power, ocean energy sources, etc. and the energy storage technologies necessary to operate them competitively.

Considering the importance of the above subject, the Centre for Science and Technology of the Non-Aligned and Other Developing Countries (NAM S&T Centre) has been organising a series of interactive workshops, roundtable meetings and training courses on topics relating to sustainable development, climate change, clean energy, energy conservation, energy efficiency etc. and now announces the organisation of an International Workshop on “Technological Innovation and Management for Sustainable Development (For Greener, Safer & Smarter World)” during 27<sup>th</sup>-29<sup>th</sup> March 2018 in Gwalior, India in partnership with ITM University, Gwalior, Madhya Pradesh, India.

## **OBJECTIVES OF THE WORKSHOP**

The Workshop will be organized with the following objectives:-

- To discuss the current perspectives of sustainable development in developed and developing economies.
- To provide a platform to technocrats, experts and academicians from different countries for presenting their innovative and constructive ideas at international level.
- To conserve and enhance resource base with the help of green, smart and safe materials.

- To create innovative technologies and reorienting existing technologies for sustainable development and discuss future solutions for designing of green, smart and safer environment.
- To formulate a holistic approach in decision making on basis of environment, economies and technology options.
- To generate research and disseminate knowledge about sustainable development

## TOPICS TO BE COVERED

The Workshop will cover the following broad areas:

1. Sustainability: Sustainable development and planning
2. Green Technologies for safe & smart world
3. Science & Technology in Environment Management
4. Natural Resources & Climate Change
5. Human Settlements
6. Gender perspectives & Climate Change
7. Environmental Education
8. Sustainable Agriculture & Food Security

## PROGRAMME OF THE WORKSHOP

A tentative programme of the Workshop is given below:

DATE	PROGRAMME
Monday, 26 <sup>th</sup> March 2018	Arrival at Gwalior, India
Tuesday, 27 <sup>th</sup> March 2018	Inauguration & Technical Sessions
Wednesday, 28 <sup>th</sup> March 2018	Technical Sessions
Thursday, 29 <sup>th</sup> March 2018	Technical Sessions, Concluding Sessions & Resolution
Friday, 30 <sup>th</sup> March 2018	Departure

A detailed Session-wise Programme will be made available before the Workshop.

## THE ORGANISERS

### NAM S&T CENTRE

The Centre for Science and Technology of the Non-Aligned and Other Developing Countries (NAM S&T Centre; [www.namstct.org](http://www.namstct.org)) is an inter-governmental organisation with a membership of 47 countries spread over Asia, Africa, Middle East and Latin America. The Centre was set up in 1989 in New Delhi, India. It undertakes a variety of programmes, including organisation of workshops, symposia, roundtables and training courses and implementation of collaborative projects. It also offers short-term research fellowships to scientists from developing countries in

association with the Centres of Excellence in various countries. The Centre also brings out technical books and other scientific publications in different subjects of interest to the developing countries. The Centre's activities provide opportunity for scientist-to-scientist contact and interaction; familiarising participants on the latest developments and techniques in the subject areas; identification of the requirements of training and expert assistance; locating technologies for transfer between the members and other developing countries, and dissemination of S&T information etc. In addition, the Centre encourages academic-R&D-industry interaction in the developing countries through its NAM S&T-Industry Network.

## **ITM UNIVERSITY, GWALIOR**

The ITM University, Gwalior established in May 2011 is emerging as a vibrant seat of higher learning in Central India. It is a multidisciplinary university with an international reputation for the quality of its research and teaching across the academic spectrum. The vision of the ITM University is to emerge as a global hub of knowledge creation, cutting edge research & development and the centre for development of skills to create entrepreneurs capable of contributing to different fields. The university prepares students to celebrate their Dreams and become responsible citizens. The University offers courses in Engineering, Management, Pharmacy, Commerce, Agriculture, Architecture, Computer Applications, Teacher Education, Art & Design, Physical Education, Sciences, Law, India & South Asia Studies, Nursing, Journalism & Mass Communication, Humanities etc. The core values of this University are derived from its engagements with high quality teaching and excellence in research. The ITM University offers more than 60 degree programmes from undergraduate to doctoral level in about 20 disciplines. All faculty members are actively engaged in research and teaching.

Besides, ITM also conduct a host of academic activities with a view to inculcate critical thinking and effective communication skills among students. Some of these events include - "Meeting of Minds", "My India – My Vision", "Achievers-in-Residence" programs, observance of important national and international days, colloquium, seminars, conferences and symposia. The ITM University Gwalior has enrolled nearly 200 international students from 21 countries. Its students are winning several national and International competitions in the fields of academics and sports. The University has received more than 20 awards and ranked 32<sup>nd</sup> in Management and 58<sup>th</sup> in Engineering respectively under National Institutional Ranking Framework (NIRF) in 2016.

## **PARTICIPANTS**

The Workshop programme has been primarily designed for scientists, technologists, researchers, and academicians working in the relevant field in organisations or institutions, government departments and ministries, and industries of the developing countries.

A pre-condition for participation in the Workshop is that the participants must present a paper during the workshop and submit an extended abstract of the same along with the nomination / application form.

The selection of participants will be made strictly based on merit and relevance of their current responsibilities to the subject of the Workshop as well as the quality of the extended abstract of the paper submitted by them along with the completed nomination form.

## **RESOURCE PERSONS**

The resource persons for the Workshop will comprise eminent experts and professionals in the

relevant field.

## **SUBMISSION OF APPLICATION**

Scientists and experts desirous of participating in the Workshop are required to submit their nomination form **electronically** directly to the NAM S&T Centre as early as possible but latest by **Monday, 26<sup>th</sup> February, 2018**.

The following documents must be submitted along with the completely filled up Nomination Form:

- i. An extended (**about 2 pages**) abstract (**in MS Word format**) of the paper that would be presented at the workshop
- ii. A short (**maximum two pages**) CV (**in MS-Word format**)
- iii. Copy of the relevant pages of the passport (for foreigners only)

**The documents at (i) and (ii) above must be in MS-Word Format; PDF or image files will not be accepted. Hard copies of the Nomination Form and the above attachments are NOT required to be submitted.**

## **PRESENTATION OF PAPERS**

Each participant will be required to present a country status report and / or a research/ scientific paper on any of the themes appropriate to the Workshop.

## **PUBLICATION OF PROCEEDINGS OF THE WORKSHOP**

A publication edited by one or more international experts and based on the papers presented by the resource persons and participants during the Workshop and also containing papers contributed by other experts in the field will be brought out in the form of a book as a follow up of this programme. Therefore all participants are required to submit the manuscripts of their full papers in **MS-word** format well in advance, but at least 14 days before the commencement of the Workshop.

## **LOCAL HOSPITALITY AND TRAVEL**

Local hospitality at Gwalior including accommodation, meals and local transport for the participants will be provided by the NAM S&T Centre from **Monday, March 26<sup>th</sup> (noon) to Friday, March 30<sup>th</sup> (noon)** (i.e. from one day before to one day after the completion of the Workshop). The participants are requested to book their flights accordingly; otherwise, they will have to make their own arrangements of stay beyond these dates.

## **FINANCIAL ARRANGEMENTS**

The financial terms for foreign and Indian participants and the arrangements for international travel of the foreign participants will be conveyed to individual applicants on receipt of the nomination form and other documents.

## **ENTRY FORMALITIES, IMMIGRATION AND HEALTH**

Participants of the Workshop must be in possession of a current passport or any other internationally recognised travel document, which must have a period of validity of at least six months beyond the period of stay in India and must be endorsed for travel to India.

Participants should have a valid visa for entry into India. The Indian diplomatic mission located in the country of the participant should be approached for obtaining an entry visa. For a large number of countries, however, online visa application is required. If required, the organisers will facilitate the issuance of visa by providing the participants with an official letter of invitation.

## **OTHER USEFUL INFORMATION**

The weather in Gwalior during the Workshop period is likely to be sunny with the expected temperature to be ~35°C during the day time and ~22°C during the nights.

Indian Standard Time is +05.30 hours ahead of GMT.

The Indian Currency is Rupee (INR); the present current exchange rate is US\$1 = 67.07 INR.

## **NOTE**

- ***The governments/ institutions of the participants will be required to bear the following costs:***
  - *All expenses in the home country incidental to travel abroad, including expenditure for passports, visa, required medical examinations, vaccinations and miscellaneous expenses such as internal travel to the airport of departure in the home country.*
  - *Salary and other related allowances for the participants during the period of the Workshop.*
  - *Cost of medical insurance to cover the period of participation in the workshop.*
- ***The organizers will not assume responsibility for the following items of expenditure in connection with the participation of any applicant in the Workshop:***
  - *Expenses incurred with respect to any insurance, medical bills or hospitalization fees.*
  - *Compensation in the event of death, disability or illness of participants.*
  - *Loss of personal belongings or compensation for damage caused to them by climatic or other conditions.*
  - *Other costs, including airport tax and excess baggage.*

## Contact Details

### **NAM S&T CENTRE**

**Prof. Dr. Arun P. Kulshreshtha,**

*Director General,*

*Centre for Science & Technology of the Non-Aligned and other Developing Countries  
(NAM S&T Centre),*

*Zone-6A, 2ndFloor, India Habitat Centre, Lodhi Road,*

*New Delhi – 110003,INDIA*

*Tel: +91-11-24645134, 24644974; Fax: +91-11-24644973*

*E-mail: [namstcentre@gmail.com](mailto:namstcentre@gmail.com), [namstct@bol.net.in](mailto:namstct@bol.net.in)*

*Website: <http://www.namstct.org>*

**Mr. M. Bandyopadhyay,**

*Senior Expert & Administrative Officer*

*Address, Tel. and E-mail: (O) as above. Tel. (R) +91-11-29941203*

### **ITM UNIVERSITY, Gwalior, Madhya Pradesh, India**

**Dr. Kuldip Dwivedi**

Asst. Professor

Department of Life Sciences

ITM University Gwalior, AH-43, Bypass Turari,

Jhansi Road, Gwalior, (M.P.) 474 001

*E-mail: [kuldipdwivedi@itmuniversity.ac.in](mailto:kuldipdwivedi@itmuniversity.ac.in),*

*[KhursheedAhmedWani@itmuniversity.ac.in](mailto:KhursheedAhmedWani@itmuniversity.ac.in)*

*Website: [www.itmuniversity.ac.in](http://www.itmuniversity.ac.in)*

*Cell phone: +91 8349060056, 9406502146 & 8770867384*

*Fax: +91-751-2440058, 2432988*

**Dr. Khursheed Ahmed Wani**

Asst. Professor

Department of Environment Science

Address, Tel. and E-mail: as above.

**CENTRE FOR SCIENCE AND TECHNOLOGY OF THE  
NON-ALIGNED AND OTHER DEVELOPING COUNTRIES  
(NAM S&T CENTRE)**

**INTERNATIONAL WORKSHOP  
ON  
TECHNOLOGICAL INNOVATION AND MANAGEMENT  
FOR SUSTAINABLE DEVELOPMENT  
(For Greener, Safer & Smarter World)**

**ITM UNIVERSITY  
GWALIOR, INDIA**

**27-29 MARCH 2018**

**NOMINATION FORM**

Please affix your scanned photograph
---

***PLEASE TYPE OR USE BLOCK CAPITALS;***

***NO COLUMN SHOULD BE LEFT BLANK***

**SECTION –A**

(To be filled in by the nominee)

- 1 Name (Prof/Dr/Mr/Mrs/Ms): .....  
(As in Passport)
2. Father's/Spouse Name: .....
- 3 Designation (Position held): .....
4. Nationality: .....
- 5 Date of Birth: ..... Place of Birth (City) ..... (Country).....
- 6 Passport No: .....Place of issue: .....  
Date of Issue: ..... Valid up to: .....  
(Please attach copies of the relevant pages of your Passport)
- 7 Name of the Parent Institution (Employer): .....  
Full Address (Office): .....  
.....  
Phone: ..... Fax: .....  
E-mail: .....
- 8 Full Address (Home): .....  
.....  
Phone: ..... Mobile: .....



- Fax: ..... E-mail: .....
- 9 Educational Qualifications: Highest Degree. ....  
 Year of Award: ..... University: .....  
 Field of Study: .....
- 10 Brief Bio data (CV): .....  
 (**Maximum two pages, in MSWord**; to be attached on separate sheet)
- 11 Abstract of your paper proposed to be presented in the Workshop.  
 (**About 1-2 pages, in MSWord**; to be attached on separate sheet)
- 12 What in your opinion qualifies you for participation in this workshop?  
 (To be attached on separate sheet)

Date: ..... Signature: .....

**SECTION -B**

**ENDORSEMENT BY NOMINATING AUTHORITY**

(The Applicant in a member country of the NAM S&T Centre may get the following endorsement signed by the Focal Point of the Centre in his/her country, *if he/she wishes to take advantages accrued to the official nominee of the country*. For the list of member countries and names/addresses of the Focal Points please visit Centre's website [www.namstct.org](http://www.namstct.org).)

Signature: .....  
 Name (in full): .....  
 Designation: .....  
 Date: .....

**SEAL**

**Enclosures:**

1. Scanned copies of the relevant pages of Passport
2. Brief CV (maximum two pages, **in MSWord**)
3. Abstract of Paper proposed to be presented in the Workshop (about 1-2 pages, **in MSWord**)