



**#INOVASI
INDONESIA**



INTERNATIONAL WORKSHOP
ON
TECHNOLOGY TRANSFER AND COMMERCIALIZATION
(Virtual Mode)

7-8 December 2021

The National Research and Innovation Agency (BRIN)
Jakarta, Indonesia

&

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

INTRODUCTION

In recent years, there is a great emphasis on transferring inventions and technologies originating from non-profit research institutes such as universities and state owned research centers to industry through technology transfer/licensing or commercialization. The main objectives of this technology commercialization include leveraging R&D outcomes and intellectual assets, raise the accessibility of scientific outcomes to a broad range of consumers, development of new services and products ready for commercialization, and last but not the least, to intensify industrial competition.

The transfer literally can originate either due to technology push (through research) or market pull (through industry). However, in order to create socially useful innovation, the collaborative actors - involving academia or researcher, industry and policy makers must formulate and implement coherent and feasible technology transfer/commercialization strategies. A critical issue addressed to strategy development is how governments, especially from emerging economies, can make effective technological promotion policies, specifically by providing incentives, patent protection and ownership or engaging the profit-oriented private sectors.

In order to discuss the underlined issues regarding technology transfer and commercialization in developing countries, **the National Research and Innovation Agency of the Republic of Indonesia**, Jakarta, Indonesia will host a **two-day International Workshop on “Technology Transfer and Commercialization”** during **7-8 December 2021** jointly with **the Centre for Science and Technology of the Non-Aligned and Other Developing Countries (NAM S&T Centre)**, New Delhi, India in order to enable Scientists & Researchers, Industrialists, Technology Providers, Technology Consultants, Project-planners, Government officials, Policy makers and other stakeholders from industry and non-government organizations from NAM S&T Centre Member Countries and other developing countries to share, learn, collect, analyze and study best practices on how to encourage and reinforce technology transfer/commercialization processes in order to accomplish technological enhancement and upgradation through policy development.

The Workshop will be conducted virtually from Jakarta, Indonesia.

WORKSHOP OBJECTIVES

The Workshop will bring together key stakeholders in the science, technology and innovation sectors to discuss ways in strengthening the ecosystem for technology research and development (R&D) as well as technology transfer and commercialization.

The objectives of the Workshop are:

- 1) To collect, study and share best practices and increase participants’ knowledge of various forms and possibilities of technology transfer and commercialization strategies.
- 2) To strengthen the analytical skills of participants on leveraging their essential knowledge that has an impact on policy formulation/development regarding technology transfer and commercialization.
- 3) To assist the participating government officials to appreciate how public research agencies may bring the real impact of industrial innovation in private sectors through technological licensing.

- 4) To illuminate instances where government can form new solutions in inducing the private sectors to make contributing role through their profit-oriented activities in addressing public concerns, in this case, disasters and emergencies.

The sessions on Day-1 of the Workshop will examine the common technology transfer mechanisms and its challenges. This will provide better comprehension towards the motivation and possible barriers in adopting technology transfer and commercialization strategies.

The sessions on Day-2 will specifically provide essential knowledge which will help the participating government officials to gain the key element of technology commercialization to attract private companies within their own countries to participate in the matter by creating technological innovations to address disaster and emergencies.

TOPICS TO BE COVERED

- Knowledge/technology transfer processes, strategies, implementation (Developing marketing planning)
- Technology transfer, entrepreneurship, national development
- Policies for licensing of intellectual property, including patenting
- International technology transfer, technology valuation and technology acquisitions
- Technology transfer mechanisms/indicators
- Spin-offs from public technology sources
- Technology transfer in university-industry-government cooperative research
- Technological cooperation patterns: R&D consortia, international strategic alliances (How scientific researchers make business negotiation with privately-owned industries)
- Commercial applications and associated risks

CERTIFICATION

E-Certificates will be awarded to participants upon successful completion of the Workshop.

RESOURCE PERSONS

The resource persons for the Workshop will comprise eminent experts and professionals in the relevant fields from Indonesia and other countries.

WHO SHOULD ATTEND

Scientists & Researchers, Industrialists, Technology providers and start-ups, Technology consultants, Project-planners, Government officials, Policy makers and other stakeholders from industry and non-government organizations from various NAM and other developing countries who are engaged in the subject of technology transfer and commercialization, are invited to participate in this Virtual-Workshop.

Experts and professionals from the developed countries are also welcome to participate as resource persons for delivering keynote lectures on relevant topics during the workshop.

The Workshop will be conducted in English.

Member countries are strongly encouraged to consider qualified female participants in their nominations.

IMPORTANT DATES

ACTIVITY	DATE
Registration/Submission of Application Starts (along with the Extended Abstract)	21 September 2021
Last Date of Submission of Application	23 November 2021
Issue of Online Conference Link to Participants	03 December 2021
Workshop Dates	07 – 08 December 2021

TENTATIVE PROGRAM OF THE WORKSHOP

DAY 1: 7 December 2021		DAY 2: 8 December 2021	
Programme (Indonesia Time: GMT + 7 hrs.)			
14:00-14:25	Opening & Keynote Address by Chief Guest, Indonesia	14:00-14:05	Opening by MC
14:25-14:30	Group Photo (Virtual)	14:05-14:25	Keynote Speaker, Indonesia
14:30-15:30	SESSION I	14:25-14:45	Q&A
15:30-15:45	Break	14:45-16:00	SESSION III
15:45-17:00	SESSION II	16:00-16:15	Break
17:00-17:10	Closing Remarks	16:15-17:15	SESSION IV
		17:15 – 18:00	Discussion and Adoption of Resolution
		18:00-18:15	Closing Remarks By: Executive Secretary of BRIN, Indonesia

Note: A detailed session-wise programme will be made available to all the participants before the Workshop.

ABOUT THE ORGANISERS

NAM S&T CENTRE

The *Centre for Science and Technology of the Non-Aligned and Other Developing Countries (NAM S&T Centre)*, New Delhi is an Inter-governmental Organization 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 in pursuance of the decisions of various NAM Summits with the objective of promoting mutually beneficial S&T cooperation among the NAM and other developing countries for collective self-reliance.

The Centre undertakes a variety of programmes, including the organization of International Workshops, Conferences and Training Courses, and implementation of Collaborative S&T Projects. It also offers short-term Research Fellowships to Scientists and Technologists from developing countries in association with the Centres of Excellence in various countries. The Centre also brings out books, monographs and other scientific publications on different subjects that are of interest to developing countries. The Centre's activities provide an opportunity for scientist-to-scientist contact and interactions, familiarizing 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 STI information etc. In addition, the Centre encourages Academic R&D-Industry interactions in the developing countries through its "NAM S&T-Industry Network".

The National Research and Innovation Agency (BRIN)

The National Research and Innovation Agency (BRIN) of the Republic of Indonesia is a governmental institution under the President of the Republic of Indonesia which has mandate to conduct an integrated research, development, assessment, and application as well as invention and innovation.

The BRIN is operated with significant autonomy as stated in the three basic directions and seven Agency goals. The three directions are to (i) Consolidating of national R&D resources (including human, infrastructure and budget resources); (ii) Creating open global standard research ecosystem which is collaborative but inclusive; and (iii) Creating the strong and excellent ecosystem to support national economic growth based on sustainable development. While the strategic goals are focused on the (a) R&D institutes consolidation (b) Transformation of business process and research management – to accelerate the critical mass of Research, Development and Innovation (c) Refocusing on research program to accelerate added value economy based on natural resources and diversities (d) Re-shaping Indonesia as global excellent research center and platform for conducting biodiversity, geographic, art and cultural research (e) Facilitation and enabler for national and international counterparts to jointly conduct R&D and produce innovations (f) Creation of an awesome platform for excellent human resources to conduct research based on entrepreneurship, and (g) Improving economic impacts from research activities, to establish S&T platform as a promising investment.

SUBMISSION OF APPLICATIONS

Application for participating in the Workshop may be submitted electronically to the NAM S&T Centre (Email: namstcentre@gmail.com) as early as possible but latest by **23 November 2021**.

Applicants from Indonesia may directly submit their applications to the National Research and Innovation Agency [E-mail: nenamelia@brin.go.id].

Each participant is expected to present a scientific / research paper or a country status report during the Workshop, and submit an abstract of the same along with the application. However, the Workshop is also open to any other scientists and professionals with an interest in “*Technology Transfer and Commercialization*”.

The following documents must be submitted as e-mail attachments:

- i. **Filled-in Application Form** (Blank-form enclosed)
- ii. **An Opinion** (a short paragraph; in MS-Word only) on what qualifies you to participate in the Workshop
- iii. **A Short CV** (maximum two pages in the format **enclosed**; in MS-Word only)
- iv. **An Extended Abstract** (in MS-Word only) of the Paper that would be presented at the Workshop

Note: The documents at (ii), (iii) and (iv) above must be in **MS-Word format** only; PDF or image files will not be accepted. Hard copies of the Application Form and the above attachments are NOT REQUIRED to be submitted.

SELECTION OF APPLICANTS

Selection of applicants will be made based on their academic and professional background, relevance of their current engagements in the relevant field and the abstract of paper submitted by them. Successful applicants will be electronically informed about their selection by **30 November 2021**. The details about the virtual platform that will be used for the Workshop including the log-in details will be communicated to all the selected applicants by **3 December 2021**.

Other details and terms & conditions for the participation of scientists and experts from various countries will be given to the individual candidates on receipt of their applications.

CONTACT DETAILS

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Director General

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

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APPLICATION FORM

PLEASE TYPE OR USE BLOCK CAPITALS (NO COLUMN SHOULD BE LEFT BLANK)



SECTION -A (To be filled in by the Nominee)

1. First Name (Prof. /Dr. /Mr. /Mrs. /Ms.):.....
Middle Name: Last Name:.....
2. Father's / Spouse Name:
3. Designation (Position held):.....
4. Nationality:
5. Date of Birth:
Place of Birth (City)(Country).....
6. Name of the Parent Institution (Employer):
7. Full Address (Office):
.....
.....
Phone: Fax:
E-mail:
Full Address (Home):
.....Ph
one: Mobile: Fax:
..... E-mail:
8. Educational Qualifications:
Highest Degree. Year of Award:
University:
Field of Study.....

9. Brief Biodata (CV):

.....

(Maximum two pages in MS Word only; to be attached on a separate sheet as per the attached format)

10.A Write-up (in MS-Word format only) on what qualifies you to attend the Workshop

11.An Extended Abstract (in MS-Word only) of the Paper that would be presented at the Workshop

Date:

Signature:

SECTION -B: ENDORSEMENT BY THE NOMINATING AUTHORITY

(The Applicant in a member country of the NAM S&T Centre must get the Nomination Form endorsed by the Focal Point of the Centre in his/her country if he/she wishes to take advantages extended to the official nominee of the country. For the list of member countries and names/ addresses of the Focal Points please visit the Centre’s official website; www.namstct.org.)

Signature:

Name (in full):

Designation:

Date:

SEAL

Enclosures:

- 1) A Brief CV (maximum two pages, as per **attached** format; in MS Word only)
- 2) An Opinion (in MS-Word format only) on what qualifies you to attend the Workshop
- 3) An Extended Abstract (in MS-Word only) of the Paper that would be presented at the Workshop

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CURRICULUM VITAE

1. Personal Details:

Name: (Prof./Dr./Mr./Mrs./Ms.)

Designation: Position Title

Present Employer: Full Address (Office)

City/State/Province:

Country:

Nationality:

Date of Birth: dd/mm/yyyy

Proficiency in English Language:

Permanent Address: Full Address (Home)

Gender:

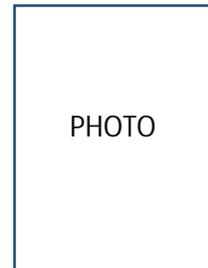
Contact: Mobile:

Telephone Office:

Fax:

E-mail:

Alternative e-mail:



2. Academic Qualifications: In chronological order

Qualification Awarded Degree/Diploma/Certificate	Major Subject	University/ Institution	Year (From-To)

3. Professional Experience: In chronological order

Organisation/ Institution	Position Title	Year (From-To)	Nature of duties

Total number of years of relevant experience –

4. Research Experience: In chronological order

Research Title	Duration	Status

5. Administrative Experience: Not more than 100 words

6. Experience with respect to the title of the Workshop:

7. Details of Awards/Recognitions (if any):

8. Any other information: Not more than 50 words

9. Recent Publications: Only five recent publications to be mentioned