

# राष्ट्रीय उत्पादकता परिषद्

(वाणिज्य एवं उद्योग मंत्रालय, भारत सरकार के अन्तर्गत)

उत्पादकता भवन, 5-6, इंस्टीट्यूशनल एरिया,  
लोदी रोड, नई दिल्ली -110 003



National Productivity Council

# NATIONAL PRODUCTIVITY COUNCIL

(Under Ministry of Commerce & Industry, Govt. of India)

Utpadakta Bhavan, 5-6, Institutional Area,  
Lodi Road, New Delhi - 110 003

No. 31514/21

Dt. 15-07-2021

Sub: 21-IP-02-GE-WSP-A: Workshop on Cybersecurity and Network Resilience Approaches for Industry 4.0 from 7-9 September 21 Digital Multicountry (DMC). (Visit [www.npcindia.gov.in/NPC/User/InternationalServices](http://www.npcindia.gov.in/NPC/User/InternationalServices) for detailed Project Notification)

Dear Sir,

We invite your kind attention to NPC [www.npcindia.gov.in/NPC/User/InternationalServices](http://www.npcindia.gov.in/NPC/User/InternationalServices) with regard to above Asian Productivity Organization (APO) project. The project notification and the APO bio data form are available on the above mentioned page and the same are also attached herewith. The duly filled in **single copy** of Performa enclosed (in excel form only) of the suitable officers for participation as per the para (**Qualifications for Participants**) of the project notification may kindly be forwarded to reach us latest by **12<sup>th</sup> August 2021**. In this regard, the following points may be noted.

- **Fees and Charges** An Application fees (NON-REFUNDABLE) of **Rs. 500** for MSME Sector, Trade Unions and NGO's and **Rs. 1000/-** for others is payable along with the nomination form, for each participant.

The requisite amount can be paid through a demand draft/cheque/ECS drawn in favour of National Productivity Council, New Delhi. In the regard, the bank account of NPC details is attached herewith. Kindly e-mail the details of the ECS/RTGS/NEFT payment made, **mentioning the name of applicant in remarks** to [mayank.verma@npcindia.gov.in](mailto:mayank.verma@npcindia.gov.in), [isg@npcindia.gov.in](mailto:isg@npcindia.gov.in), [rk.rawat@npcindia.gov.in](mailto:rk.rawat@npcindia.gov.in) Please note in the absence of application fee, the nomination will not be considered.

- **Nomination Procedure** all nominations should be routed through proper channel and as per the attached APO bio data form. The nominations received after the last date will not be considered. It is the responsibility of the candidates to complete all the official formalities required by their organizations/department for participating in the program. It is requested to send nominations by e-mail to [mayank.verma@npcindia.gov.in](mailto:mayank.verma@npcindia.gov.in), [isg@npcindia.gov.in](mailto:isg@npcindia.gov.in), [rk.rawat@npcindia.gov.in](mailto:rk.rawat@npcindia.gov.in) (application in prescribed excel format) and one hard copy by post along with the covering letter of the competent authority on company's letter head. All information pertaining to nominations will be treated as confidential and classified. The nominated officers may be invited as a faculty in programs on the relevant subjects organized by NPC.

We look forward to receiving of nominations from your esteemed organization.

Thanking you,

Yours faithfully,

(K.D. Bhardwaj)  
Director & Head (Int'l Serv.)  
for Director General  
e-mail: [isg@npcindia.gov.in](mailto:isg@npcindia.gov.in)



## PROJECT NOTIFICATION

Ref. No.: 21-IP-02-GE-WSP-A-PN2100053-001

<b>Date of Issue</b>	14 July 2021
<b>Project Code</b>	21-IP-02-GE-WSP-A
<b>Title</b>	Workshop on Cybersecurity and Network Resilience Approaches for Industry 4.0
<b>Timing and Duration</b>	7–9 September 2021 (three days)
<b>Hosting Country(ies)</b>	Malaysia
<b>Modality</b>	Digital Multicountry
<b>Implementing Organization(s)</b>	Malaysia Productivity Corporation and APO Secretariat
<b>Participating Country(ies)</b>	All Member Countries
<b>Overseas Participants</b>	19
<b>Local Participants</b>	12
<b>Qualifications of Participants</b>	Policymakers and government officials; representatives of local government units; and staff of government enterprises, public-sector organizations, and industry representatives working on Industry 4.0 promotion, cybersecurity systems, IT governance/management, and public regulations on information systems and ICT
<b>Nomination of Participants</b>	All nominations must be submitted through National Productivity Organizations of member countries
<b>Closing Date for Nominations</b>	12 August 2021

## 1. Objectives

- a. Learn about the fundamentals of cybersecurity and network resilience approaches in relation to Industry 4.0.
- b. Share cybersecurity frameworks of governments to strengthen good IT governance for Industry 4.0.
- c. Understand the regulatory requirements for harmonizing security standards for Industry 4.0.

## 2. Background

The Fourth Industrial Revolution (Industry 4.0) is taking digital technology to the next level with the help of interconnectivity and access to real-time data, bringing a comprehensive approach to digital transformation. This truly revolutionizes how technologies allow businesses across all industries to work smarter while allocating resources for cost-effective, efficient processes. However, according to a 2019 report by the European Union Agency for Network and Information Security (ENISA) on Industry 4.0 Cybersecurity: Challenges and Recommendations, tapping the maximum benefits of this interconnectivity of things is also closely associated with ensuring cybersecurity. The report highlighted a rapidly increasing number of Industry 4.0 cybersecurity incidents, stressing the need to strengthen cyber resilience.

The need to improve cybersecurity is even more profound now since the potential impact of relevant threats ranges from compromising physical security to production downtimes and from spoilage of products to damaging equipment as well as ensuing financial and reputational losses. During the COVID-19 pandemic, industries, public services, healthcare, and social interactions, among others, have become more dependent on digital infrastructure and online information.

The APO Vision 2025 aims to support and equip the public sector as well as industry players in benefiting from the advances of Industry 4.0. The main contents of these capacity-enhancing initiatives focus on technological, digital-based learning and applications in terms of interconnectivity, automation, machine learning, real-time data, etc. to improve efficiencies and help organizations grow in the long run. In the digital transformation process to Industry 4.0, cybersecurity efforts for effective, efficient exploitation of IT solutions and critical infrastructure are needed to optimize the benefits, while overcoming cyberthreats to systems and providing countermeasures that enhance network resilience.

This workshop therefore aims to acquaint participants with the fundamentals and implications of cybersecurity and network resilience in relation to Industry 4.0, introduce relevant approaches and techniques under the good IT governance model, and provide an understanding of the regulatory requirements for harmonizing standards with Industry 4.0.

## 3. Scope, Methodology, and Certificate of Attendance

The duration of each day's sessions will be around three hours comprising presentations by experts, group discussions, and other relevant learning methods. The indicative topics of the presentations are:

### Day 1:

- Understand Industry 4.0 and cybersecurity
- Resiliency and agility approaches for Industry 4.0

### Day 2:

- Cybersecurity frameworks of governments for Industry 4.0
- Promotion of cross-functional knowledge of IT and operational technology security
- Group exercise and discussion

### Day 3:

- Economic and administrative incentives for Industry 4.0 security
- Regulatory requirements to harmonize security standards for Industry 4.0

The detailed program and list of speakers will be provided two weeks prior to the sessions with announcement of the names of the selected participants.

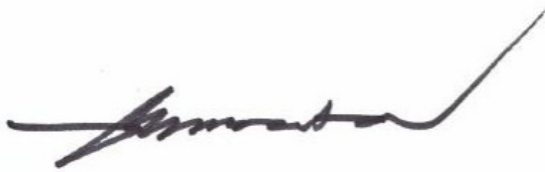
The participants are required to attend all sessions. This full participation is a prerequisite for receiving the APO certificate of attendance.

#### **4. Financial Arrangements**

- a. The APO will meet the assignment costs of overseas resource persons and honorarium for up to two local resource persons.
- b. The host country will meet the costs for a virtual site visit(s), either broadcast live or recorded as applicable.

#### **5. Implementation Procedures**

Please refer to the implementation procedures for APO digital multicountry projects circulated with this document.

A handwritten signature in black ink, appearing to read 'Dr. AKP Mochtan', with a long, sweeping flourish extending upwards and to the right.

Dr. AKP Mochtan  
Secretary-General