**Seminar on 3D Printing Technology for Developing Countries Project Description**

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| Name | Seminar on 3D Printing Technology for Developing Countries | | | | | | |
| Organizer | Wuhan Research Institute of Posts and Telecommunications | | | | | | |
| Time | July.28th —Aug.10th , 2021 | | | | Language | | English |
| Organizing method | Online training | | | | Platform | | Voov Meeting |
| Invited Countries | Developing countries | | | | Number of Participants | | 25 |
| Training Objectives | Through the seminar, participants will be able to master the key technologies and applications of 3D printing and the development of the global 3D printing industry | | | | | | |
| Requirements for the Participants | Professional Background | | -- Field or specialty: 3D Printing Industry  -- Job posts: government staff, teachers in universities , researchers in scientific research institutions, management and technical staff in 3D printing companies  -- Level, academic degree or other relevant qualification requirements: None  --Years of working in a relevant field: 2 years and above | | | | |
| Age | | the age of participants should not be higher than the legal retirement age of the recipient country. | | | | |
| Health | | Good health and be able to attend online training on time | | | | |
| Language | | Capable of listening, speaking, reading and writing in English for lecturing | | | | |
| Others | |  | | | | |
| Seminar Content | The Main Content of the seminar is as below:   1. Main Content of Seminar:   - Introduction to national conditions and COVID-19 prevention in China  - The development of 3D printing technology  - Overview of global 3D printing industry development  - Laser  3D printing technology  - UV curing 3D printing technology  - 3D printing metal parts technology  - Materials for 3D printing  - Manufacturing, mechanical and acoustic properties of nature-inspired metal-water structure  fabricated by selective laser melting  - Tailored Mechanical Responses and Flow Behaviors of Selective Laser Melted Porous  Metallic Biomaterials for Bone Scaffolds Based on Pentamode Metamaterials  - Material-Structure-Function Integrated Additive Manufacturing  -3D printing application cases, applications of 3D printing technology in aerospace, architecture, automobile manufacturing  -3D printing+AI   1. Cloud visiting(Online virtual visit) 2. Cloud visiting will be arranged in CICT group company to learn about China's Laser  3D printing technology solutions. 3. Cloud visiting will be arranged in Wuhan Huake 3D Technology Co. Ltd. and Rapid manufacturing center of Huazhong University of Science and Technology to learn about the application of 3D printing in industry.   3.Introduction of Online Training Platform  During the seminar, Voov meeting platform will be adopted. A combination of online lecturing, online discussion and cloud visiting will be adopted in the course program.  4.Materials to be prepared by trainees   1. Before the start of the seminar, participants need to contact the person of the organizer in advance to get the guide of platform registration and complete the registration; 2. The participant need to prepare a country report (PPT version) . The content of the country report shall include: ① the basic information of your country ② the basic information of development of 3D printing technology in your country, and submit it to the organizer before the end of the seminar.   5.Final assessment  The participants' daily log-on data of the platform and the submission of country report will be used as the basis for the issuance of the training completion certificate. | | | | | | |
| Host City | Wuhan City,  Hubei Province | | | Cloud Visit Cities | | Wuhan City,  Hubei Province | |
| Notes | 1. The training program will be held online, which requires participants to prepare necessary equipment and devices such as internet connection, computer, microphone, camera, etc.  2. Participants should be punctual and well-disciplined. The Certificate of Completion will be issued to those who meet all the requirements including good attendance records.  3. Participants should enter the virtual classroom in advance with the screen name “NAME + COUNTRY” identical to the passport information.  4. Participants should respect and maintain the confidentiality and security of the information and data concerning the Seminar. Course materials will be shared to participants after class, which shall not be made public or posted via social media.  5. Participants should prepare report for discussion session(s) as scheduled. | | | | | | |
| About the Organizer | Wuhan Research Institute of Posts and Telecommunications (WRI) is one of the two research institutes directly under Ministry of Posts and Telecommunications (predecessor of Ministry of Information Industry). It’s one of the two foreign-aid training bases — communication training bases of Asia-Pacific Telecom Union (APT) — under Ministry of Industry and Information Technology, and the only qualified foreign-aid training base under Ministry of Commerce in the field of communications. In 2018, WRI (FiberHome Technologies Group )and Datang Telecom Group restructured and merged into China Information Communication Technologies Group Corporation (CICT). Now the company is the birthplace of China's optical communications, one of the main proposers of international standards for mobile communications, and is an internationally renowned provider of information and communication products and integrated solutions.Its business focuses on the following aspects:Optical Fiber Communication/Mobile Communication/Optoelectronics and Large Scale Integrated Circuits/Data Communication/Network Information Security/Intelligent Application.  On April 26, 2018, President Xi Jinping visited our group company again and encouraged employees that core technologies and key technologies must be based on our own.On September 14, 2020, Han Zheng, Vice Premier of the State Council, visited our group company and encouraged the enterprise to maintain its focus, give full play to its potential, continue to grow stronger, better and bigger, enhance its competitiveness in the international market and expand the strength of Chinese manufacturing.  Since 1994, authorized respectively by Ministry of Commerce, Ministry of Information Industry, Ministry of Foreign Affairs and Ministry of Science and Technology, WRI has organized more than 100 foreign-aid training projects, with about 5000 participants from over 100 countries of 5 continents. For more than a decade, WRI has been actively exploring new ways and integrating research into practice. The number of foreign-aid training programs administered by WRI has increased from one to more than 40 per year. WRI has become capable of organizing seminars for officials at department/division level. The seminars last from 10 days, 20 days to 3 months, offered in either English, French, Russian, Arabic , Spanish and Portuguese. In 2018 and 2019, WRI has successfully held two " Seminar on 3D Printing Technology for Developing Countries ", which were highly praised by the participants.  Nevertheless, we will continue to make efforts and fully exploit our strengths and experience in terms of communication technologies and foreign-aid training so as to conduct characteristic, high-level and influential training projects, and make greater contribution to the implementation of national economic trade strategies of all countries. | | | | | | |
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