



## Technical Session I : Presentation- 5

### New TVET Capacity for New Technology and International Cooperation

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#### ABSTRACT

Technical and Vocational Education and Training (TVET) professionals in Asia, as in other parts of the world, are concerned with innovating TVET in the 4th Industrial Revolution. To ensure that productive TVET can contribute to the national development, and to gain feasible industrial competitiveness at the global market, TVET institutions have to evolve, expand their territories, improve access to TVET and increase their effectiveness. An important goal of this transformation is to ensure that the TVET institutions are focusing on relevant and up-to-date skills for new technologies, which are sought after in the job market and help their learners to build employable skills to become successful entrepreneurs.

Enhancing TVET for the 4th industrial revolution requires a change at multiple levels that is informed by global trends and good performance. Such change needs to be carried by active TVET experts and research institutes. Those agents should have a clear direction, a sound knowledge base and have the skills to drive the new change. They need to acquire new theories, facts and best practices and are able to make equipped decisions. The support for the implementation of new direction, knowledge and skills for new TVET by convincing colleagues, staff and other experts and defend their decisions convincingly. They are also able to capitalize on their knowledge to translate ideas into goals and eventually into action.

The change of TVET aims at developing the capacity of potential TVET experts for the 4th industrial revolution. Enhancing TVET for the 4<sup>th</sup> industrial revolution practices can lead to sustainable economic growth and increase new employment opportunities in particular for youth. New TVET practices based on digital skills can enhance the productivity and long term growth, taking into account the industrial change and the related value they can create. New TVET for the 4<sup>th</sup> industrial revolution has become an important agenda as digital industry and businesses have been forecasted to grow, thereby creating new jobs. Given such new opportunities, digital TVET can serve as an effective policy tool to address the unemployment issues of youth and the disadvantaged groups. It is critical to understand the value of enhancing partnership between the developing and the developed countries when we need to address global TVET cooperation issues. Sharing knowledge and experience, and collaborative inquiry into enhancing TVET through digitalizing TVET from different perspectives are invaluable to strengthen partnership across countries.

**Keywords:** Industry 4.0, Digitalization, Skilling Korea, TVET Institution

## BRIEF CV

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Young-Saing Kim teaches students as Adjunct Professor and Lecturer at the Seoul National University, the Ewha Womans University, the Kon-Kuk University, the Korea University and the Kyung Hee University. He is a UNESCO consultant on the project “Better Education for Africa's Rise” Project since 2013.

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