



全球智慧教育大会
Global Smart Education Conference

2022

Beijing · China 18-20 August

GLOBAL SMART EDUCATION CONFERENCE

Intelligent Technology

Digital Transformation in Education

Organizer



北京师范大学
BEIJING NORMAL UNIVERSITY

Co-organizer



Hosts



北京师范大学智慧学习研究院
Smart Learning Institute of Beijing Normal University



北京师范大学教育学部
FACULTY OF EDUCATION



中国教育与社会发展研究院
CHINA INSTITUTE OF EDUCATION AND
SOCIAL DEVELOPMENT



中国基础教育质量监测协同创新中心
Collaborative Innovation Center of Assessment for
Basic Education Quality



National Engineering Research Center
of Cyberlearning and Intelligent Technology



CONFERENCE INTRODUCTION

Intelligent technologies, such as Artificial Intelligence, Big Data, and VR/AR/MR, are important driving forces leading a new round of scientific and technological revolution. These technologies are profoundly changing the way we live, work, think, and even accelerating social transformation and deepening educational reform.

Affected by the ongoing pandemic wave, global education is becoming more uncertain and fragile than ever. Numerous efforts have emerged to respond to the challenges of COVID-19 at the international level. As the 2030 deadlines are fast approaching, the United Nations intend to convene a Transforming Education Summit in the coming September to mobilize action, ambition, solidarity and solutions with a view to transforming education before 2030. In tandem, many countries and organizations rolled out digital development strategies at the national level to promote a comprehensive digital transformation in education. UNESCO released the *Beijing Consensus* at the first edition of the International Conference on Artificial Intelligence and Education. The *Beijing Consensus* recommends making appropriate policies that aim at systematic integration of AI and education to innovate education, teaching and learning. According to the report of *Digital Strategies in Education across OECD Countries*, a total of 17 member countries released digital education-related strategies between 2015 and 2019. Furthermore, the *Digital Education Action Plan (2021-2027)* issued by the European Union emphasizes two priority areas, namely, "Fostering the development of a high-performing digital education ecosystem" and "Enhancing digital skills and competences for the digital transformation".



The Chinese government also proposed a series of strategies and policies aimed at further promoting the systematic integration of intelligent technology and education. These include China's Education Modernization 2035 Plan, The New Generation Artificial Intelligence Development Plan, Education Informatization 2.0 Action Plan. In addition, the Ministry of Education of the People's Republic of China also stressed the importance of implementing the strategic action of education digitalization as well as accelerating the process of digital transformation and intelligent upgrade for education.

Digital transformation in the domain of education is based on digitization and digitalization, and is committed to 1) consolidating digital foundation; 2) building smart learning environments; 3) promoting co-creation and co-sharing of quality digital educational resources; 4) exploring personalized models for cultivating students and training teachers; 5) improving the digital literacy and digital skills of teachers and students; and 6) enhancing digital awareness, thinking and capabilities at digital transformation stage. Smart education can be considered as the educational behaviours provided by schools, regions, or governments, with the characteristics of high learning experience, learning content adaptation, and teaching efficiency. In smart education, modern science and technologies are used to provide diversified supports and on-demand services for students, teachers and parents, etc., the data of participants and learning and teaching processes are recorded and used to promote the quality and equity of education. From this perspective, smart education shall have great potential to be a breakthrough that integrates intelligent technologies with education for the future.

Beijing Normal University (BNU) is a comprehensive and research-intensive university with its strength in teacher education, educational science, and basic disciplines of liberal arts and sciences. BNU has taken the lead in the theoretical innovation and practical exploration of



smart education. It has put forward policy suggestions on developing smart education and promoting the reform of the education system. It also serves as the secretariat of the expert group of the Smart Education Pilot Zones. During the pandemic, the Smart Learning Institute (SLI) of Beijing Normal University and the National Engineering Research Centre of Cyberlearning and Intelligent Technology (CIT) have been seeking educational solutions under special circumstances. Specifically, they worked with UNESCO, finalizing and publishing a series of handbooks and guidance which comprise Ensuring Effective Distance Learning under COVID-19 School Closures: Guidance for Teachers as well as AI and Education: Guidance for Policy-makers. A variety of learning strategies and practical experience adopted in China have been collected in these publications, which provide institutions with feasible recommendations for minimalizing disruption and ensuring continuity of course delivery during the pandemic.

UNESCO Institute for Information Technologies in Education (UNESCO IITE), as the co-organizer of the conference, is the only UNESCO Category One Institute that holds a global mandate for ICT in education. In 2020, IITE in cooperation with The Commonwealth of Learning (COL), International Society for Technology in Education (ISTE), National Research University - Higher School of Economics (HSE) and Beijing Normal University launched the Joint Project of Rethinking and Redesigning National Smart Education Strategy to explore the solution of infusing technology into education. IITE also worked together with SLI of Beijing Normal University, releasing a Handbook on Facilitating Flexible Learning During Educational Disruption: The Chinese Experience in Maintaining Undisrupted Learning in COVID-19 Outbreak. This handbook has been translated into several languages and was widely disseminated around the world.

Since 2016, BNU, in conjunction with international organizations and universities worldwide, has held four consecutive US-China Smart



Education Conferences (UCSEC) and two Global Smart Education (GSE) Conferences. Thousands of experts and scholars in the field of education and technology from more than 50 countries and international organizations, including UNESCO and OECD attended the meeting. These conferences held discussions on frontier fields and hot issues such as K-12 Education, Higher Education, Vocational Education, Transforming Education through Intelligent Technology, AI and Future Education, Smart Learning and Futures of Education. At the conferences, a series of projects and research results such as the Horizon Project Regional Report, the White Paper on Smart Education Pilot Zones Construction, the Joint Project of Rethinking and Redesigning National Smart Education Strategy, as well as the project of e-Library for Teachers were released. The Global Competition on Design for Future Education also had a launch session at the conferences.



Global Smart Education Conference 2022

The Global Smart Education Conference 2022 will be held in Beijing from 18th to 20th of August. The theme of this conference is Intelligent Technology and Digital Transformation in Education. GSE 2022 will take a hybrid mode which includes online and onsite sessions. International research outcomes and related sets of cases will be released during the event. Meanwhile, we will build a metaverse venue to improve audiences' experience of communication and interaction and also to display our innovative solutions for digital education.



ORGANIZATION STRUCTURE

Organizer

- Beijing Normal University

Co-organizer

- The UNESCO Institute for Information Technologies in Education

Hosts

- Smart Learning Institute of Beijing Normal University, China
- Faculty of Education, Beijing Normal University, China
- China Institute of Education and Social Development
- Collaborative Innovation Centre of Assessment for Basic Education Quality, China
- National Engineering Research Centre of Cyberlearning and Intelligent Technology, China

Partners

- Arab League Educational, Cultural and Scientific Organization
- UNESCO International Research and Training Centre for Rural Education
- UNESCO International Centre for Higher Education Innovation
- South East Asian Ministers of Education Organization (SEAMEO) Secretariat
- Yunus Center at Asian Institute of Technology (AIT), Thailand
- University of Belgrade, Serbia
- University of Piraeus, Greece
- Near East University, Cyprus
- International University of La Rioja, Spain
- Federal University of Alagoas, Brazil
- Hangzhou Normal University, China
- State Key Laboratory of Virtual Reality Technology and Systems, China
- Educational Informatization Strategy Research Base (Beijing), Ministry of Education, P.R.C
- Educational Informatization Strategy Research Base (Central China), Ministry of Education, P.R.C
- Educational Informatization Strategy Research Base (Northwest), Ministry of Education, P.R.C

Sponsor

- International Association of Smart Learning Environments

Enterprise Partners

- Elernity UNISEDU H3C Lenovo iFLYTEK



Co-chairs of GSE2022



- CHENG Jianping

Secretary of the Party Committee, Beijing Normal University, China; Director of the Council of Beijing Normal University, China; Chairman of National Engineering Research Centre of Cyberlearning and Intelligent Technology, China



- ZHAO Qinping

Academician of Chinese Academy of Engineering; Professor at Beihang University, China; Director of State Key Laboratory of Virtual Reality Technology and Systems, China



Co-chairs of Program Committee



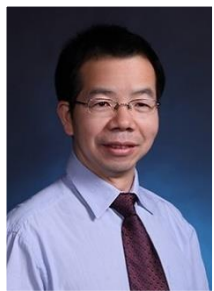
- ZHOU Zuoyu

Professor, Vice President of Beijing Normal University, China



- ZHAN Tao

Professor, Director of UNESCO IITE



- HUANG Ronghuai

Professor, Co-Dean of Smart Learning Institute of Beijing Normal University, China



Members of the Program Committee

(In alphabetical order by last name)

Asha S. Kanwar	President of Commonwealth of Learning
Bojan Lalić	Director of the Belt and Road Institute Belgrade, Serbia
Chee-Kit Looi	Co-Director of the Centre for Research and Development in Learning (CRADLE) at the Nanyang Technological University
Danimir Mandić	Dean at Faculty of Teacher Education, University of Belgrade
Demetrios Sampson	Professor of Digital Systems for Learning and Education at the Department of Digital Systems, University of Piraeus
Ethel Agnes Pascua-Valenzuela	Director of SEAMEO Secretariat
Getachew Engida	Former Deputy-Director General of UNESCO
Ig Ibert Bittencourt	Associate Professor, Co-Director of the Center of Excellence in Social Technologies, Federal University of Alagoas, Brazil
Joseph South	Chief Learning Officer of International Society for Technology in Education (ISTE)
Kinshuk	Dean of College of Information, University of North Texas
Mohamed Jemni	Director of ICT at Arab League Educational, Cultural and Scientific Organization (ALECSO)
Natalia Amelina	Chief of the Unit of Teacher Professional Development and Networking at UNESCO IITE



Members of the Program Committee

(In alphabetical order by last name)

CHEN Guangju	Professor; Deputy Director of the Council of Beijing Normal University, China; Vice President of the Alumni Association of Beijing Normal University, China
GUO Shaoqing	Director of Educational Informatization Strategy Research Base (Northwest), Ministry of Education, P.R.C
LI Ming	Director of International Centre for Higher Education Innovation under the auspices of UNESCO (UNESCO-ICHEI)
LIU Dejian	Co-Dean of Smart Learning Institute of Beijing Normal University, China; Chairman and Executive Director of Netdragon
MIAO Fengchun	Chief of the Unit for Technology and Artificial Intelligence in Education at UNESCO
SONG Shanping	Executive Chairman of China Institute of Education and Social Development
WU Fati	Dean of School of Educational Technology, Faculty of Education, Beijing Normal University, China
XIN Tao	Executive Deputy Director of Collaborative Innovation Center of Assessment for Basic Education Quality, China
YANG Zongkai	Director of Educational Informatization Strategy Research Base (Central China), Ministry of Education, P.R.C
ZHU Xudong	Dean of Faculty of Education, Beijing Normal University, China



Conference Agenda (Onsite and Online)

[China Standard Time (CST), UTC+8]

Date	Time	Agenda	Venue
18th August 2022 (Thursday)	14:30-18:00	Opening Ceremony& Forum on Digital Transformation for Smart Education	Beijing Normal University, China
	19:00-23:00	Forum on Teacher Education in Metaverse World	
	19:00-22:00	Forum on Promoting Digital Literacy in Smart Learning Environment	University of Belgrade, Serbia University of Piraeus, Greece
19th August 2022 (Friday)	9:00-18:00	Forum on the New Ecology of Regional Smart Education	Beijing Normal University, China
	9:00-12:00	Teacher Forum on Technology Empowered Teaching Innovation	
	14:30-18:00	Student Forum on Learning Crisis and Futures of Education	
	14:30-20:30	The 6th International Conference on Smart Learning Environments	Hangzhou Normal University, China La Rioja International University, Spain Near East University, Cyprus
	19:00-23:00	Forum on Smart Village and Transformation of Rural Education	Beijing Normal University, China
	19:00-22:00	Forum on AI-driven Open Education	ALECSO
20th August 2022 (Saturday)	9:00-12:00	Forum on Digital Governance of Education	Beijing Normal University, China
		Forum on Reform of School Education in the Intelligent Era	
	14:30-18:30	Forum on Leveraging Intelligent Technology for Education Innovation& Closing Ceremony	

Opening Ceremony & Forum on Digital Transformation for Smart Education

Organizers: Beijing Normal University

UNESCO Institute for Information Technologies in Education (UNESCO IITE)

Time: 14:30-18:00 (UTC+8), **18th August**, 2022

Venue: Changping Campus, Beijing Normal University, China

Opening Ceremony	
Opening Remarks 14:30-15:20	<p>Speakers:</p> <ul style="list-style-type: none">• Official of Ministry of Education, P.R.C.• Leadership of Beijing Normal University, China• Prof. ZHAO Qinping, Academician of Chinese Academy of Engineering• H.E. Mr. BrankoRuzic, First Deputy Prime Minister & Minister of Education, Science and Technological Development, Serbia• H.E. Dr. Ahmed Daher, Deputy Minister for Information Technology, the Egyptian Ministry of Education and Technical Education, Egypt• HRH Princess Adejoke Orelope-Adefulire, Senior Special Assistant to the President on SDGs, Nigeria (Online*)• Mr. Azat Atayew, Vice Minister of Education of Turkmenistan• Prof. ZHAN Tao, Director of UNESCO IITE <p>Moderator: Prof. ZHOU Zuoyu, Vice President of Beijing Normal University, China</p>



**Project
Release**
15:20-
15:30

***Rethinking and Redesigning National Smart Education
Strategy & Initiative for Global Smart Education Network
(GSENet)***

Speakers:

- Prof. HUANG Ronghuai, Co-Dean of Smart Learning Institute of Beijing Normal University, China
- Dr. Venkataraman Balaji, Vice President, Commonwealth of Learning (Online*)
- Dr. Joseph South, Chief Learning Officer, International Society for Technology in Education (Online*)
- Dr. Ethel Agnes Pascua-Valenzuela, Director, Southeast Asian Ministers of Education Organization Secretariat (Online*)
- Prof. Mohamed Ould Amar, Director General, the Arab League Educational, Cultural and Scientific Organization. (Online*)
- Prof. ZHAN Tao, Director, UNESCO Institute for Information Technologies in Education

Moderator: Prof. ZHOU Zuoyu, Vice President of Beijing Normal University, China

Forum on Digital Transformation for Smart Education

Co-Organizers: Smart Learning Institute of Beijing Normal University, China (SLIBNU)
 China Institute of Education and Social Development (CIESD)
 Collaborative Innovation Center of Assessment for Basic Education
 Quality, China
 Educational Informatization Strategy Research Base, Ministry of
 Education, P.R.C (Beijing)
 Eternity UNISEDU

Time: 15:30-18:00 (UTC+8), **18th August**, 2022

Venue: Changping Campus, Beijing Normal University, China

<p>Keynote Speech 15:30- 17:15</p>	<p>Speakers:</p> <p><i>Seize the Opportunity of Digital Transformation, Build a New Ecosystem of Smart Education</i></p> <ul style="list-style-type: none"> • Mr. LEI Chaozi, Director of Department of Science, Technology and Information, Ministry of Education, P.R.C <p><i>Digital Transformation of Education: Why, What, How</i></p> <ul style="list-style-type: none"> • Prof. GONG Ke, Former President of the World Federation of Engineering Organizations (WFEO); Executive Dean of Chinese Institute of New Generation Artificial Intelligence Development Strategies (CINGAI) <p><i>In-depth Discipline of Intelligent Mathematics Educational Technology</i></p> <ul style="list-style-type: none"> • Prof. ZHANG Jingzhong, Academician of Chinese Academy of Sciences
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Keynote Speech 15:30-17:15	<p><i>React Actively to the New Challenges of Digital Transformation</i></p> <ul style="list-style-type: none">• Prof. ZHONG Binglin, Beijing Normal University, China; Committee member of the State Education Commission of P.R.C <p><i>The Fourth Industrial Revolution and Educational Innovation</i></p> <ul style="list-style-type: none">• Prof. ZHENG Qinghua, Vice President of Xi'an Jiaotong University, China <p><i>Curriculum Transformation in the Post Pandemic Era</i></p> <ul style="list-style-type: none">• Mr. Renato Opertti, Senior Expert of UNESCO IBE <p>Moderator: Prof. LIU Dejian, Co-Dean of Smart Learning Institute of Beijing Normal University, China</p>
Invited Speech 17:15-18:00	<p>Speakers:</p> <p><i>Technology Empowers Digital Transformation in Education</i></p> <ul style="list-style-type: none">• Mr. WANG Hongtao, President of UNISEDU <p><i>Smart Technologies for Education: What Futures Do We Want?</i></p> <ul style="list-style-type: none">• Prof. Rebecca Eynon, Oxford Internet Institute (OII) and the Department of Education at the University of Oxford, UK (Online*) <p><i>Micro-credentials and Their Role in the Digital Transformation of Education</i></p> <ul style="list-style-type: none">• Prof. Rory McGreal, UNESCO/ICDE Chair in OER; Athabasca University, Canada (Online*) <p>Moderator: Prof. ZHANG Jingjing, School of Educational Technology, Faculty of Education, Beijing Normal University, China</p>



Forum on Teacher Education in Metaverse World

Co-Organizers: Center for Teacher Education Research of Beijing Normal University,
Key Research Institute of Humanities and Social Science, Ministry
of Education, P.R.C

The Belt and Road Institute, Belgrade, Serbia

Smart Learning Institute of Beijing Normal University, China
Elernity

Time: 19:00-23:00 (UTC+8), **18th August**, 2022

Venue: Changping Campus, Beijing Normal University, China

Co-Chairs: Prof. Getachew Engida, Former Africa Assistant Officer of UNESCO
Prof. ZHU Xudong, Dean of Faculty of Education, Beijing Normal
University, China

Opening Remarks 19:00- 19:15	<p>Speakers:</p> <ul style="list-style-type: none">• Prof. Getachew Engida, Former Africa Assistant Officer of UNESCO• Prof. ZHU Xudong, Dean of Faculty of Education, Beijing Normal University, China <p>Moderator: Mr. CHEN Changjie, Vice Dean of Smart Learning Institute of Beijing Normal University, China</p>
Keynote Speech 19:15- 22:00	<p>Speakers:</p> <p><i>The path of innovative development of the integration of metaverse and Web 3.0</i></p> <ul style="list-style-type: none">• Prof. CHEN Zhong, School of Computer Science, Peking University, China; Director of Blockchain Research Centre, Peking University, China; Director of the Institute of Metaverse Technology, Peking University, China <p><i>Teachers, the Digital Divide and the Metaverse</i></p> <ul style="list-style-type: none">• Dr. Awol Endris Adem, Education Programme Specialist, UNESCO Regional Office for Eastern Africa, Kenya



Keynote Speech 19:15-21:30	<p><i>Metaverse-supported Teacher Development Scenarios</i></p> <ul style="list-style-type: none">• Prof. LIU Geping, Vice Chairman of China Higher Education information Academy (CHEIA); Professor at Southwest University, China <p><i>How Do Teachers Help Students with Motivation</i></p> <ul style="list-style-type: none">• Ms. Annie Ning, Director of Asia Affairs, International Society for Technology in Education (ISTE) <p><i>Capacity Building of Teachers and Teacher Educators in e-Learning Content Development and e-Assessment in Africa: UNESCO-IICBA's Experiences</i></p> <ul style="list-style-type: none">• Dr. Temechegn Engida, Programme Officer, International Institute for Capacity Building in Africa (IICBA) (Online) <p><i>The great technological convergence of the educational metaverse</i></p> <ul style="list-style-type: none">• Mr. CHEN Hong, CTO of Netdragon <p><i>AI and Open Education</i></p> <ul style="list-style-type: none">• Prof. Colin De La Higuera, UNESCO Chair in Technologies for the Training of Teachers by OER, University of Nantes, France <p>Moderator: Mr. CHEN Changjie, Vice Dean of Smart Learning Institute of Beijing Normal University, China</p>
Mid Break 21:30-21:35	Video: E-library for Teachers



**Invited
Speech**

21:35-
23:00

Speakers:

Go-Lab, an Ecosystem for Inquiry-Based Instruction

- Prof. Ton de Jong, Chair of the Golab Project, Netherlands Faculty of Behavioral Sciences, University of Twente, Netherlands

A Peer Assessment Platform for Smart Education

- Prof. Elvira Popescu, University of Craiova, Romania

Metaverse in Education

- Prof. Cynthia Calongne, Parker University, USA (Online)

Motivation-enhanced Smart Learning in the Metaverse

- Prof. Stylianos Mystakidis, Researcher, The University of Patras, Greece

When Education meets the Metaverse: an overview and challenges

- Dr. Lik-hang Lee, Assistant Professor, Korea Advanced Institute of Science and Technology, Korea

Teaching through Urban Sensorium: Urban Spatiality as a Smart Learning Environment

- Dr. Gaana Jayagopalan, Associate Professor, Alliance University, India

Moderator: Prof. SANG Guoyuan, Center for Teacher Education Research of Beijing Normal University, Key Research Institute of Humanities and Social Science, Ministry of Education, P.R.C; Vice President of Institute of Rural Education and Social Development, Beijing Normal University, China



Forum on Promoting Digital Literacy in Smart Learning Environment

Guiding unit: China Education Association for International Exchange

Co-Organizers: Faculty of Education, Beijing Normal University, China

University of Belgrade, Serbia

University of Piraeus, Greece

Smart Learning Institute of Beijing Normal University, China

Time: 19:00-22:00 (UTC+8), **18th August**, 2022

Co-chairs: Mr. WANG Yongli, Deputy President & Secretary-General of China Education Association for International Exchange
Prof. Vladan Đokić, Rector of University of Belgrade, Serbia

Opening Remarks 19:00-19:15	<p>Speakers:</p> <ul style="list-style-type: none">• Mr. WANG Yongli, Deputy President & Secretary-General, China Education Association for International Exchange• Prof. Vladan Đokić, Rector of University of Belgrade, Serbia <p>Moderator: Prof. LIU Jing, Office Director of International Exchange and Cooperation, Faculty of Education, Beijing Normal University, China</p>
Project Release 19:15-19:45	<p><i>The Initiative of Academic Network for Education of CCHEIC</i></p> <p>Speakers:</p> <ul style="list-style-type: none">• Prof. YU Kai, Vice Dean of Faculty of Education, Beijing Normal University, China• Prof. Demetrios Sampson, University of Piraeus, Greece• Prof. Danimir Mandić, University of Belgrade, Serbia <p>Moderator: Prof. LIU Jing, Office Director of International Exchange and Cooperation, Faculty of Education, Beijing Normal University</p>



Invited
Speech
19:45-
22:00

Speakers:

Smart Education in China and Central Eastern European Countries

- Dr. ZHUANG Rongxia, Associate Professor, Faculty of Education, Beijing Normal University, China; Director of Open Educational Resource Laboratory, Smart Learning Institute of Beijing Normal University, China

Towards Smart Education Slovenia

- Mr. Borut Čampelj, Ministry of Education, Science and Sport, Office of Development and Education, Slovenia

Challenges of Albanian System Education in Systematic Integration of Technology and Education

- Dr. Engjellushe Zenelaj, Reald University of Vlora, Albania

Making Education Smart with the smart use of technology-based assessment: Hungarian Case Studies

- Prof. Gyöngyvér Molnár, Institute of Education, University of Szeged, Hungary

Smart Education in the Republic of North Macedonia - National Education Profile

- Ms. Ana Sekulovska, Faculty of Informatics, University of Tourism and Management Skopje, North Macedonia

Digital Transformation of Education - Benefits and Challenges

- Prof. Sandra Kucina Softic, Assistant Director at the University Computing Centre, University of Zagreb, Croatia

Smart Education - Bulgarian case

- Prof. Siyka Chavdarova – Kostova, Faculty of Education, Sofia University "St. Kiment Ohridski", Bulgaria



**Invited
Speech**
19:45-
22:00

Digital Transformation in Greek Education: Enhancing Digital Skills & Competences for the Digital Age

- Prof. Charalampos Karagiannidis, Department of Special Education, University of Thessaly, Greece

Smart Education in Croatia

- Dr. Maja Homen, Faculty of Teacher Education, University of Zagreb, Croatia

Smart Education in China

- Prof. WANG Yunwu, School of Wisdom Education of Jiangsu Normal University, China

Moderator: Mr. CHEN Hao, Director of China and Central Eastern Europe LabFE, Smart Learning Institute of Beijing Normal University, China

Forum on the New Ecology of Regional Smart Education

Co-Organizers: Expert Group Secretariat on Smart Education Demonstration Area Construction Program, Ministry of Education, P.R.C
Educational Informatization Strategy Research Base (Beijing), Ministry of Education, P.R.C
Educational Informatization Strategy Research Base (Central China), Ministry of Education, P.R.C
Educational Informatization Strategy Research Base (Northwest), Ministry of Education, P.R.C
H3C Lenovo iFLYTEK

Time: 9:00-18:30 (UTC+8), **19th August**, 2022

Venue: Changping Campus, Beijing Normal University, China

Sub-venues: Bengbu, Anhui Province, China
Wuhou District, Chengdu, China
Wenzhou, Zhejiang Province, China

Co-chairs: Prof. YANG Zongkai, Director of Educational Informatization Strategy Research Base (Central China), Ministry of Education, P.R.C
Prof. HUANG Ronghuai, Director of Educational Informatization Strategy Research Base (Beijing), Ministry of Education, P.R.C
Prof. GUO Shaoqing, Director of Educational Informatization Strategy Research Base (Northwest), Ministry of Education, P.R.C

<p>Opening Remarks 9:00-9:10</p>	<p>Speakers:</p> <ul style="list-style-type: none"> • Official of Department of Science, Technology and Information, Ministry of Education, P.R.C • Mr. XU Lin, Director of China Educational Technology, Center for Educational Technology and Resource Development, Ministry of Education, P.R.C (National Center for Educational Technology, NCET) <p>Moderator: Prof. WU Fati, Dean of School of Educational Technology, Faculty of Education, Beijing Normal University, China</p>
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Project Release 9:10-9:20	<i>Progress report on the construction of the Smart Education Pilot Zone & Excellent Case Collection on Smart Education</i>
Keynote Speech 9:20-10:20	<p>Speakers:</p> <p><i>Digital Transformation of Education and the Development of Regional Smart Education</i></p> <ul style="list-style-type: none">• Prof. YANG Zongkai, Head of the Expert Group on Smart Education Demonstration Area Construction Program; Director of Educational Informatization Strategy Research Base (Central China), Ministry of Education, P.R.C <p><i>Strategic Vision and Practical Exploration of Digital Transformation in Education</i></p> <ul style="list-style-type: none">• Mr. LI Yongzhi, Deputy Director of Shanghai Municipal Education Commission, China <p><i>Technology Empowers the Innovative Development of Education, Strive to Build a New Ecosystem of Smart Education in Beijing in This New Era</i></p> <ul style="list-style-type: none">• Mr. ZHANG Xianguo, Director of Information Technology Department, Beijing Municipal Education Commission, China <p>Moderator: Prof. GUO Jiong, Executive Deputy Director of Education Informatization Strategic Research Base (Northwest), Ministry of Education, P.R.C; Professor at Northwest Normal University, China</p>
Invited Speech 10:20-12:30	<p>Speakers:</p> <p><i>Shenzhen's Planning Path and Implementation Strategy for Establishing National Smart Education Pilot Zone</i></p> <ul style="list-style-type: none">• Mr. CHEN Qiuming, Director of Shenzhen Education Bureau, Guangdong Province, China



**Invited
Speech**

10:20-
12:30

Data Empowerment and System Reshaping Promote the High-quality and Balanced Development of Education in Dongcheng

- Mr. GAO Wei, Director of the Education Commission of Dongcheng District, Beijing, China

Digital Pedestal-based Regional Digital Transformation Exploration

- Ms. XIONG Qiuju, Deputy Party Secretary of the Education Committee and Director of Education Bureau, Changning District, Shanghai, China

Digital Transformation Promotes the Transformation of Regional Smart Education

- Mr. HE Meilong, Director of Education Bureau, Minhang District, Shanghai, China

Regional Education Informatization Promotion Mechanism Based on "Government, Enterprise, School and Research" Synergy--Bengbu City's "Smart Education" Construction Practice

- Mr. SHENG Liang, Director of Education Bureau, Bengbu, Anhui Province, China

Data-driven Education Informatization, Upgrading and Transformation of Regional Education in Wenzhou

- Mr. ZHENG Huandong, Director of Education Bureau, Wenzhou, Zhejiang Province, China

Educating with the Power of "New Three States" and Keeping Original Intention of the Growth of Wuhou Students

- Mr. WANG Yi, Director of Education Bureau, Wuhou District, Chengdu, China



Invited Speech 10:20-12:30	<p><i>Contribute to Digital Strategic Actions, Promote the High-quality and Balanced Development of Education</i></p> <ul style="list-style-type: none">• Mr. XIAO Chunxi, General Manager of Industry BG Technical Department of H3C, China <p>Moderator: Prof. GUO Jiong, Executive Deputy Director of Education Informatization Strategic Research Base (Northwest), Ministry of Education, P.R.C; Professor at Northwest Normal University, China</p>
Noon Break 12:30-14:30	<p><i>Video of Smart Education Special TV Program</i></p>
Keynote Speech 14:30-15:10	<p><i>Smart Education: Its Theoretical Framework, Practical Path, Development and Future Picture</i></p> <ul style="list-style-type: none">• Prof. GU Xiaoqing, East China Normal University; Member of the Expert Group on Smart Education Demonstration Area Construction Program, Ministry of Education, P.R.C <p><i>Information Technology Curriculum Standards</i></p> <ul style="list-style-type: none">• Prof. XIONG Zhang, Head of the Expert Group on Information Technology Curriculum Standards for Compulsory Education, Ministry of Education, P.R.C; Dean of School of Information & Management, University of International Business and Economics; Professor at Beihang University, China <p>Moderator: Dr. CAO Peijie, Vice Director of Future School Lab, National Institute of Education Sciences, Ministry of Education, P.R.C</p>



<p>Invited Speech 15:10-15:40</p>	<p>Speakers:</p> <p><i>Artificial Intelligence Empowers Regional Large-scale Individualized Teaching</i></p> <ul style="list-style-type: none">• Mr. ZHOU Jiafeng, Vice President of iFLYTEK <p><i>Being simple and clear for science and technology, being smart for learning: Smart Education Empowers China's Digital Transformation in Education</i></p> <ul style="list-style-type: none">• Mr. JIN Xin, General Manager of Smart Education Equipment Division, Lenovo China Key Account Business Group <p>Moderator: Dr. CAO Peijie, Vice Director of Future School Lab, National Institute of Education Sciences, Ministry of Education, P.R.C</p>
<p>Case Report 15:40-17:40</p>	<p>Speakers:</p> <p><i>"Same Lesson" with Teachers and Students in Remote Areas - A Mission-driven Study on the Symbiosis Model of High-quality Resources in Primary Schools</i></p> <ul style="list-style-type: none">• Ms. DOU Guimei, Tsinghua University Primary School, Haidian District, Beijing, China <p><i>Solution on the Data Collection of Primary School Sports Load with AI</i></p> <ul style="list-style-type: none">• Mr. MA Long, Director of the Sports Arts Training Department, Institute of Educational Sciences, Dongcheng District, Beijing, China <p><i>Reflections and Practices on "Intelligent Teaching and Research" in Xinjiang with Group-style Assistance under "Internet + Education"</i></p> <ul style="list-style-type: none">• Ms. XU Hongyan, Principal of the Happiness Primary School in Shaya County, Xinjiang Uygur Autonomous Region, China



Case
Report

15:40-
17:40

***Yongji Chengxi Middle School's Online Learning Space
Broadens the Growth Path of Left-behind Children***

- Ms. ZHANG Xiaoyan, Vice Principal of Yongji Chengxi Middle School, Yuncheng City, Shanxi Province, China

Labor Education Practice Supported by Smart Education Platform

- GONG Mingxing, Senior Teacher of Donghu High School, Yiling District, Yichang, Hubei Province, China

Experimenting with Two-line Blended Teaching and Learning Based on the National Smart Education Platform for Primary and Secondary Schools

- Mr. HANG Ziping, Vice Principal of the Zhanggongshan No. 3 Primary School, Bengbu City, Anhui Province, China (Online)

Integrate Internal and External Collaboration, Conduct In-depth Exploration - Promote the Normalization of Teaching Applications of Virtual Experiments in Secondary Schools

- Ms. PENG Baobei, Principal of Erqiao Middle School in Wuhan, Hubei Province, China

Promoting the Innovative Development of Primary Schools' Thinking and Political Education with "Smart Thinking and Political Activity Hall"

- Ms. SONG Mengheng, Principal of the Qingyuan Primary School, Tianxin District, Changsha, Hunan Province, China

Moderator: Dr. CAO Peijie, Vice Director of Future School Lab, National Institute of Education Sciences, Ministry of Education, P.R.C



**Keynote
Speech**

17:40-
18:30

Speakers:

Future Learning: Artificial Companions, Metaverse and Interest-Driven Creator Theory

- Prof. Tak-Wai Chan, Founder of Global Chinese Conference of Computer in Education (GCCCE)

Technology in Education: Innovation, Integration and Inspiration

- Prof. J. Michael Spector, University of North Texas, USA

Moderator: Dr. CAO Peijie, Vice Director of Future School Lab,
National Institute of Education Sciences, Ministry of Education,
P.R.C



Teacher Forum on Technology Empowered Teaching Innovation

Co-Organizers: National Engineering Research Centre of Cyberlearning and Intelligent Technology, China
Collaborative Innovation Centre of Assessment for Basic Education Quality, China

Time: 9:00-12:00 (UTC+8), **19th August**, 2022

Venue: Changping Campus, Beijing Normal University, China

Co-Chairs: Prof. ZHENG Qinhu, Deputy Director of National Engineering Research Centre of Cyberlearning and Intelligent Technology, China
Prof. XIN Tao, Executive Deputy Director of Collaborative Innovation Center of Assessment for Basic Education Quality, China

Opening Remarks 9:00-9:05	<p>Speaker:</p> <ul style="list-style-type: none">• Prof. ZHENG Qinhu, Deputy Director of National Engineering Research Centre of Cyberlearning and Intelligent Technology, China <p>Moderator: Mr. QI Binbin, Post-doctorate, Beijing Normal University, China</p>
Teacher Speech 9:05-12:00	<p>Speakers:</p> <p><i>Regional Intelligence Teaching and Research Empowered by Artificial Intelligence: Model Construction and Promotion Strategies</i></p> <ul style="list-style-type: none">• Ms. TANG Shaobing, Vice Dean of Institute of Educational Development, Huadu District, Guangzhou, Guangdong Province, China <p><i>Active Learning Classrooms: Supporting 21st Century Learning</i></p> <ul style="list-style-type: none">• Prof. Jim Slotta, University of Toronto, Canada



**Teacher
Speech**

9:05-12:00

Construction and Practice of Promoting Deep learning of OMO Integrated Teaching During Epidemic Situations

- Mr. ZHANG Xiaohu, Associate Professor, Xi'an Eurasia University, China

Teaching the Next Generation (Generation Z and Alpha) in Digital Society

- Prof. Georgeta Panisoara, professor of Psychology and Habilitation in Educational Sciences, Bucharest University, Romania

Metaverse In Education , Stemmed From Micro-Universe Education——microcosm exploration and practice in primary and secondary education supported by minimalist technology

- Mr. HE Qigang, Director of the Supervision Office of the Education Bureau of Tianyuan District, Zhuzhou City, Hunan Province, China; Senior Teacher

Crowd intelligence sharing promotes the professional development of regional maker teachers

- Ms. DUAN Yanqing, Yuncheng City Education Bureau of Shanxi Province, China; Level I Teacher

Multi-class Mix and Match, New Exploration of Digital Transformation

- Ms. ZOU Xianlian, Principal of Xingyuan Primary School in Liangjiang New District, Chongqing, China; Senior Teacher

Digital intelligence empower children for the future - Integrated design and exploration of digital intelligence in kindergarten

- Ms. Li Ahui, Principal of Kaiyue Kindergarten, Xiaoshan District, Hangzhou, Zhejiang province, China



Teacher
Speech

9:05-12:00

Belonging in University Teaching: Learning analytics in higher education through the application of collaborative tools

- Dr. Jördis Weilandt, Assistant Program Manager, Rebus Community, Canada

Empirical Research on Intelligent Teaching Behaviors in Real Classroom Scenarios

- Mr. FENG Hongke, Beijing No. 20 Middle School, China; Level I Teacher

Information technology energizes the education scene and upgrades the dimension of school space ecology

- Ms. LI Yan, Principal of Shenyang Railway Experimental Primary School, China

Challenges and Countermeasures of Rural Primary and Secondary School Teachers' Professional Development under the Background of Smart Education

- Mr. LIU Chao, Academic Affairs Director of Zhengtai Bowen School, Xiangcheng City, Henan Province, China; Senior Teacher

Practical Application and Prospect of Virtual Reality Technology in Education and Teaching in Ethnic Minority Areas

- Ms. WU Dingcui, Principal of Bagu Primary School in Lugu Town, Mianning County, Sichuan Province, China

Intelligent Technology Empowerment for Smart Education

- Prof. Ramesh C. Sharma, Ambedkar University Delhi, India



**Teacher
Speech**

9:05-12:00

Learning analytics in higher education through the application of collaborative tools

- Prof. Mauricio Xavier Prado Ortega, Technical University of Machala, Ecuador

On the Application of Laozi Cosmology in Metaverse games

- Ms. Zhaojing, PhD Student, Tongji University, China; Previously working at Tongji University as lecturer

Measuring, understanding, and intervening in learners' self-regulation processes - developing intelligent learning environment based on learning analytics

- Mr. FAN Yizhou, Research Associate at School of Informatics, The University of Edinburgh, Britain

Moderator: Mr. QI Binbin, Post-doctorate, Beijing Normal University, China

Student Forum on Learning Crisis and Futures of Education

Co-Organizers: UNESCO IITE

Student Union of Beijing Normal University, China

Graduate Student Union of Beijing Normal University, China

Beijing Design Society, China

Teacher Education Faculty, University of Belgrade, Serbia

Smart Learning Institute of Beijing Normal University, China

Time: 14:30-18:00 (UTC+8), **19th August**, 2022

Venue: Changping Campus, Beijing Normal University, China

Co-Chairs: Mr. SONG Weizu, Founder of Beijing Design Society, China
Ms. Natalia Amelina, Senior Project Officer, UNESCO IITE
Ms. NI Jiaqi, Deputy Secretary of Beijing Normal University Committee of Communist Youth League of China

Opening Remarks

14:30-
14:50

Speakers:

- Mr. SONG Weizu, Founder of Beijing Design Society, China
- Ms. Tatiana Shutova, Programme Specialist of UNESCO IITE
- Prof. Danimir Mandic, Dean of the Teacher Education Faculty, University of Belgrade, Serbia
- Ms. NI Jiaqi, Deputy Secretary of Beijing Normal University Committee of Communist Youth League of China

Moderator: Mr. Boulus Shehata, PhD candidate at the Faculty of Education, Beijing Normal University, China



<p>Issue 1: The Transformation of Learning Environments and Learning Methods for Addressing Learning Crisis</p> <p>14:50-15:35</p>	<p><i>Transformation of College Education under OBE</i></p> <ul style="list-style-type: none">• Ms. LIU Yufei, Graduate student at School of Foreign Languages and Literature, Beijing Normal University, China <p><i>The empowered teacher for the META future</i></p> <ul style="list-style-type: none">• Ms. Jelica Ristić, PhD candidate at the Teacher Education Faculty of the University of Belgrade, Serbia <p><i>MOOC: Learning paths personalization</i></p> <ul style="list-style-type: none">• Ms. Salwa Mrayhi, PhD candidate at Virtual University of Tunis <p><i>The Dilemma And Break Of Learning Environment</i></p> <ul style="list-style-type: none">• Mr. YANG Liu, Undergraduate student at the School of Arts & Communication, Beijing Normal University, China <p>Moderator: Ms. WANG Huanhuan, Post-doctorate at the Faculty of Education, Beijing Normal University, China</p>
<p>Issue 2: The Innovation of Curriculum and Teaching Materials for Addressing Learning Crisis</p> <p>15:35-16:20</p>	<p><i>Enhancing Students' Metacognition through Questioning Visualization Analyzer</i></p> <ul style="list-style-type: none">• Ms. ZHANG Wenjie, Graduate student in Educational Psychology, The University of Hong Kong, China <p><i>Developing learning methods to solve the learning crisis</i></p> <ul style="list-style-type: none">• Mr. Oluwatayo Israel Olasunkanmi, Post-doctorate at Chongqing University, China <p><i>How to Break the Wall Between the Classroom and the World in Future Curriculum Design</i></p> <ul style="list-style-type: none">• Ms. MEI Zixuan, Graduate student at the College of Education, Capital Normal University, China• Ms. YAO Jia, Undergraduate graduate of the School of Government Management, Beijing Normal University, China



	<p>Moderator: Mr. BAO Haogang, Research Assistant, Basic Education Research Center of National Institute of Education Sciences, China</p>
<p>Issue 3: How to Addressing Learning Crisis for Students from Rural Areas 16:20-17:05</p>	<p><i>Creative Education in Rural Areas</i></p> <ul style="list-style-type: none">• Mr. ZHU Xuan, Undergraduate student at Art Center College of Design, USA <p><i>Developing Competencies for Sustainable Development Among Rural Students</i></p> <ul style="list-style-type: none">• Mr. Muganga Allan, Graduate student in mathematics education, Southwest University, China <p><i>Developing Competencies for Sustainable Development Among Rural Students</i></p> <ul style="list-style-type: none">• Mr. Shrorif Mollah, PhD candidate at the Faculty of Education, Beijing Normal University, China <p><i>How do Teachers Deal With the Crisis of Integrating Technology in Education</i></p> <ul style="list-style-type: none">• Mr. LIU Jiahao, PhD candidate at the Faculty of Education, Beijing Normal University, China <p>Moderator: Mr. Michael Agyemang Adarkwah, Post-doctorate at the Faculty of Education, Beijing Normal University, China</p>
<p>Issue 4: How Digital Transformation of Education Supports Inclusive Education 17:05-17:50</p>	<p><i>Learning crisis and career development of students with disabilities</i></p> <ul style="list-style-type: none">• Mr. CHEN Xingan, Undergraduate student in sociology, Diablo Valley College, USA <p><i>Some thoughts concerning learning in the Metaverse</i></p> <ul style="list-style-type: none">• Ms. XIA Huiai, Undergraduate student at the Faculty of Education, Beijing Normal University, China



Issue 4: How Digital Transformation of Education Supports Inclusive Education 17:05-17:50	<p><i>Integrating resources to achieve inclusive education – South Africa's Case</i></p> <ul style="list-style-type: none">• Ms. Khutso Tania Segooa, Graduate student in Economics, Fordham University, USA <p>Moderator: Mr. Boulus Shehata, PhD candidate at the Faculty of Education, Beijing Normal University, China</p>
Concluding Remarks 17:50-18:00	<p>Speaker:</p> <ul style="list-style-type: none">• Ms. KUAI Hongyan, Director of the Design and Learning Lab, Smart Learning Institute of Beijing Normal University, China <p>Moderator: Mr. Boulus Shehata, PhD candidate at the Faculty of Education, Beijing Normal University, China</p>

Forum on Smart Village and Transformation of Rural Education

Co-Organizers: UNESCO International Research and Training Centre for Rural Education
Southeast Asian Ministers of Education Organization (SEAMEO)
Secretariat
Yunus Center at Asian Institute of Technology (AIT), Thailand
International Centre for Higher Education Innovation under the auspices of UNESCO (UNESCO ICHEI)
Smart Learning Institute of Beijing Normal University, China (SLIBNU)

Time: 19:00-23:00 (UTC+8), **19th August**, 2022

Venue: Changping Campus, Beijing Normal University, China

Co-Chairs: Dr. Ethel Agnes Pascua-Valenzuela Director, SEAMEO
Prof. ZENG Xiaodong , Executive Director of UNESCO INRULED

<p>Opening Remarks 19:00-19:15</p>	<p>Speakers:</p> <ul style="list-style-type: none"> • Prof. WANG Lei, Deputy Director of the Office of International Exchange and Cooperation, Beijing Normal University, China • Dr. Ethel Agnes Pascua-Valenzuela, Director of SEAMEO Secretariat • Dr. Faiz H. Shah, Director of Yunus Center AIT, Thailand <p>Moderator: Prof. ZENG Xiaodong, Executive Director of UNESCO INRULED</p>
<p>Keynote Speech 19:15-20:45</p>	<p>Speakers:</p> <p><i>3 Zeros/Social Business for SDGs/Education for New Civilization</i></p> <ul style="list-style-type: none"> • Prof. Muhammad Yunus, Founder of Grameen Bank in Bangladesh, Nobel Laureate, Chairman of Yunus Center at AIT



**Keynote
Speech**

19:15-
20:45

The Innovation and Practice of Improving the Quality of Classroom Teaching: Taking the Teaching Reform and Practice of Strong Interaction in Xian'an Classroom as An Example

- Prof. WANG Jixin, Executive Director of the Collaborative Innovation Center for Informatization and Balanced Development of K-12 Education by Ministry of Education of China and Hubei Provincial Government, China; Professor, Faculty of Artificial Intelligence in Education, Central China Normal University

Education Transformation: Implications on Inclusion and Equity

- Dr. Roger Y. Chao Jr., Assistant Director/Head, Education, Youth and Sports Division, the Association of Southeast Asian Nations (ASEAN) Secretariat

International Practice and Exploration of Building a Digital Transformation Community of Higher Education

- Dr. HAN Wei, Executive Deputy Director of International Centre for Higher Education Innovation under the auspices of UNESCO (UNESCO-ICHEI)

Skills Passport Marks a Turning Point in Recognizing Skills Education Using Technology Integration

- Dr. Janaka Jayalath, Deputy Director General, Tertiary and Vocational Education Commission, Sri Lanka

Reshaping Agricultural Research and Development in Higher Education Institutions in a Time of Pandemic

- Dr. Glenn B Gregorio, Director, SEAMEO Regional Centre for Graduate Study and Research in Agriculture, Philippines

Moderator: Prof. ZENG Xiaodong, Executive Director, UNESCO INRULED



Project Release 20:45-21:00	<p><i>Digital Education in K-12 Schools in China: A Comparative Case Study of Rural and Urban Areas</i></p> <p>Speakers:</p> <ul style="list-style-type: none">• Prof. ZENG Xiaodong, Executive Director, UNESCO INRULED• Dr. LI Baoping, Associate Professor, Vice President of Institute of Rural Education and Rural Development, Beijing Normal University, China
Invited Speech 21:00-23:00	<p>Speakers:</p> <p><i>Digital Economy in ASEAN/Thailand and Emerging Trends in Non-Metropolitan Areas</i></p> <ul style="list-style-type: none">• Dr. Pietro Borsano, Deputy Executive Director, School of Integrated Innovation, Chulalongkorn University, Thailand <p><i>Investigation and research on the construction of teacher teams in small-scale schools in rural areas in western China under the strategy of rural revitalization</i></p> <ul style="list-style-type: none">• Mr. QI Zhiwen, Research Staff of the Institute of Education Science of Gansu Province, China; Director of the Institute of Higher and Vocational Education <p><i>Learning During the Covid-19 Pandemic: Some Lessons</i></p> <ul style="list-style-type: none">• Prof. Moshed M Ahmad, Head, Department of Development and Sustainability at AIT, Thailand <p><i>Inter-Generation Learning and Education for Smart and Sustainable Rural Development</i></p> <ul style="list-style-type: none">• Prof. Kiichi Oyasu, Director of Education Cooperation Department, Asia-Pacific Cultural Centre for UNESCO, Japan



Invited
Speech
21:00-
23:00

Adaptation Practices to Climate Change: a Case Study of Ethnic Minority Farmers in the Northern Mountainous Area of Vietnam

- Dr. Nguyen The Manh, Rice Programme Director, Rikolto in Southeast Asia, Vietnam

Empowering Africa for Sustainable Development through Digital Literacy

- Mr. Emmanuel Krou N'Guessan, President of the NGO GA-TIC, 2021 Laureate of the UNESCO Confucius Prize for Literacy, Côte d'Ivoire

An Analysis of Digitalization of Public Primary Schools in District Chiniot, Punjab Pakistan

- Dr. Shoukat Ali, Associate Professor, Institute of Agricultural Extension Education and Rural Development, University of Agriculture, Pakistan

Land Use, Land Tenure, and Sustainability in the Rural Area in Indonesia: Focusing on the Educational Dimension

- Mr. Asrul Sidiq, Lecturer at Syiah Kuala University, Researcher at the International Centre for Aceh and Indian Ocean Studies (ICAIOS), Indonesia

The Use of ICT for Vegetable Production and Marketing: A Case Study in Vientiane Province, Lao PDR

- Mr. Phonedalom Bounkham, Director, Permanent Secretary Office, Ministry of Foreign Affairs of the Lao PDR

Moderator: Dr. ZHAO Yuchi, Deputy Director of UNESCO INRULED



Forum on AI-driven Open Education

Co-Organizers: Smart Learning Institute of Beijing Normal University, China (SLIBNU)
Arab League Educational, Cultural and Scientific Organization (ALECSO)
The Open University of China (OUC)
Faculty of Information Technology and Labor Education, Beijing
Institute of Education

Time: 19:00-22:00 (UTC+8), **19th August**, 2022

Venue: Changping Campus, Beijing Normal University, China

Co-Chairs: Dr. Mohamed Jemni, Director of the ICT department, ALECSO
Prof. Li Song, Vice President of the Open University of China
Dr. Ahmed Tlili, Smart Learning Institute of Beijing Normal University

Opening Remarks 19:00-19:10	<p>Speakers:</p> <ul style="list-style-type: none">• Dr. Mohamed Jemni, Director of the ICT department, ALECSO• Prof. LI Song, Vice President of the Open University of China <p>Moderator: Dr. Ahmed Tlili, Associate Professor, Beijing Normal University, China</p>
Keynote Speech 19:10-20:50	<p>Speakers:</p> <p><i>Towards Open Intelligent Innovative Learning</i></p> <ul style="list-style-type: none">• Dr. Lilia Chniti, University of Sousse, Tunisia <p><i>How Explainable Artificial Intelligence Benefit Education?</i></p> <ul style="list-style-type: none">• Dr. LU Yu, Associate Professor, Beijing Normal University, China <p><i>Openness and Ethics in an age of AI: Educational Futures</i></p> <ul style="list-style-type: none">• Dr. Eamon Costello, Associate Professor, Dublin City University, Ireland• Dr. Rob Farrow, Researcher, Institute of Educational Technology at The Open University, Ireland



Keynote Speech 19:10-20:50	<p><i>OER and AI in Palestine : A road to internationalization</i></p> <ul style="list-style-type: none">• Dr. Soheil Salha, An-Najah National University <p><i>AI and assessment of open learning skills</i></p> <ul style="list-style-type: none">• Dr. Abderrahim ghassoub, Education Orientation and Planning Center - Rabat-Morocco <p>Moderator: Dr. Ahmed Tlili, Associate Professor, Beijing Normal University</p>
Panel discussion 20:50-21:00	<p><i>Discussion with the presenters about open education and AI</i></p> <p>Moderator: Dr. Ahmed Tlili, Associate Professor, Beijing Normal University</p>
Invited Speech 21:00-22:00	<p>Speakers:</p> <p><i>Learning Quality, Artificial Intelligence and Ethic</i></p> <ul style="list-style-type: none">• Dr. Christian M. Stracke, Bonn University, Germany <p><i>How can artificial intelligence hardware and software applications improve students' learning?</i></p> <ul style="list-style-type: none">• Mr. FAN Xing, Co-founder and CTO of Squirrel AI, China <p><i>Content Validation using Machine Learning - Open Learning Content Creation Platform</i></p> <ul style="list-style-type: none">• Dr. Qing Tan, Associate Professor, Athabasca University, Canada <p><i>The Role of Technology in Creating Partnerships Across the Borders</i></p> <ul style="list-style-type: none">• Dr. Marek Wosinski, Department of Psychology and Senior Sustainability Scientist at the Global Institute of Sustainability, Arizona State University, USA <p>Moderator: Dr. Zhang Xiangling, Beijing Institute of Education, China</p>

Forum on Digital Governance of Education

Co-Organizers: China Institute of Education and Social Development (CIESD)
Educational Informatization Strategy Research Base (Beijing),
Ministry of Education, P.R.C
Federal University of Alagoas, Brazil

Enterprise Partners: Hikvision China Unicom Beijing Branch

Time: 9:00-12:00 (UTC+8), **20th August**, 2022

Venue: Changping Campus, Beijing Normal University, China

Co-Chairs: Prof. TANG Yayang, Secretary of the Party Committee of Hunan University of Science and Technology, China
Ms. SONG Shanping, Executive Dean of China Institute of Education and Social Development (CIESD)
Dr. TONG Lili, Deputy Director of Educational Informatization Strategy Research Base (Beijing), Ministry of Education, P.R.C
Dr. Ig Ibert Bittencourt, Associate Professor, Co-Director of the Center of Excellence in Social Technologies, Federal University of Alagoas, Brazil

<p>Opening Remarks 9:00-9:20</p>	<p>Speakers:</p> <ul style="list-style-type: none"> • Prof. WANG Yaonan, Academician of Chinese Academy of Engineering; Professor at Hunan University, China • Ms. SONG Shanping, Executive Dean of China Institute of Education and Social Development (CIESD) <p>Moderator: Prof. CHEN Guangju, Vice Director of the University Council of Beijing Normal University, China</p>
<p>Keynote Speech 9:20-10:40</p>	<p>Speakers:</p> <p><i>The Path of Digital Governance of Rural and Border Education</i></p> <ul style="list-style-type: none"> • Prof. TANG Yayang, Secretary of the Party Committee of Hunan University of Science and Technology, China



<p>Keynote Speech 9:20-10:40</p>	<p><i>Towards an Innovation Policy Making Framework for AI-Enhanced Education</i></p> <ul style="list-style-type: none">• Dr. Eugene G. Kowch, Former President of Association for Educational Communications and Technology (AECT); Associate Professor, University of Calgary, Canada <p><i>Digital Transformation for AI</i></p> <ul style="list-style-type: none">• Dr. Ig Ibert Bittencourt, Associate Professor, Co-Director of the Center of Excellence in Social Technologies, Federal University of Alagoas, Brazil <p><i>The Application and Governance Strategy of Full-cycle Internet Education From the Perspective of Technological Experiments</i></p> <ul style="list-style-type: none">• Dr. TONG Lili, Deputy Director of Educational Informatization Strategy Research Base (Beijing Normal University), Ministry of Education, P.R.C, China; Associate Professor, Beijing Normal University, China <p><i>The Promise and Challenges of Multimodal Smart Education Technology</i></p> <ul style="list-style-type: none">• Dr. Mutlu Cukurova, Associate Professor, University College London, UK <p>Moderator: Prof. CHEN Guangju, Vice Director of the University Council of Beijing Normal University, China</p>
<p>Penal Discussion 10:40- 12:00</p>	<p>Pathway and Solution for Digital Governance of Education</p> <p>Panelists:</p> <ul style="list-style-type: none">• Mr. WEI Xiaoliang, Deputy Director of Shenzhen Education Information Technology Center, China• Ms. XIAO Chenhui, Principal of Changtangli Primary School, Yuhua District, Changsha City, China



**Penal
Discussion**

10:40-
12:00

- Mr. FU Yutao, Deputy Director of Science and Technology and Informatization Division, Inner Mongolia Department of Education, China
- Mr. WANG Xianguang, Vice Principal of Guangxi Rongshui Miao Autonomous County Ethnic Senior Secondary School, China
- Mr. ZHENG Furui, General Manager of Higher Education Division of Beijing Business Center, Hikvision
- Ms. XU Bingyu, Inspector General of Education Division, No.2 Division Company of Beijing Unicom

Moderator: JIANG Yanshuang, Office Director of Educational Informatization Strategy Research Base (Beijing Normal University), Ministry of Education, P.R.C; Post-doctorate, Beijing Normal University, China

Forum on Reform of School Education in the Intelligent Era

Co-Organizers: Smart Learning Institute of Beijing Normal University, China
China Education Innovation Institute, Beijing Normal University, China
Intelligent Education Research Center, Shenzhen University, China

Time: 9:00-12:00 (UTC+8), **20th August**, 2022

Venue: Changping Campus, Beijing Normal University, China

Co-Chairs: Prof. HU Qintai, Secretary of the Party Committee of Guangdong University of Technology, China
Prof. LIU Jian, Dean of China Education Innovation Institute, Beijing Normal University, China

<p>Opening Remarks 9:00-9:10</p>	<p>Speakers:</p> <ul style="list-style-type: none"> • Prof. HU Qintai, Secretary of the Party Committee of Guangdong University of Technology, China • Prof. LIU Jian, Dean of China Education Innovation Institute, Beijing Normal University, China <p>Moderator: Dr. ZHENG Lanqin, Associate Professor, Faculty of Education of Beijing Normal University, China</p>
<p>Keynote Speech 9:10-11:00</p>	<p>Speakers:</p> <ul style="list-style-type: none"> • Prof. KE Qingchao, Vice Dean of School of Information Technology in Education, South China Normal University • Prof. LI Yushun, Faculty of Education of Beijing Normal University, China



<p>Keynote Speech 9:10-11:00</p>	<p><i>Intelligent Assessment of Mental Health</i></p> <ul style="list-style-type: none">• Prof. LUO Fang, Faculty of Psychology of Beijing Normal University, China• Prof. CAO Xiaoming, Faculty of Education of Shenzhen University, China <p><i>The 4th Education Revolution</i></p> <ul style="list-style-type: none">• Prof. Anthony Seldon, President and co-founder of the International Alliance for Active Education, UK <p><i>Smart Learning Futures: Next generation digital education</i></p> <ul style="list-style-type: none">• Dr. Christina Hong, President of Technological and Higher Education Institute of Hong Kong (THEi), Hong Kong, China <p>Moderator: Dr. ZHENG Lanqin, Associate Professor, Faculty of Education of Beijing Normal University, China</p>
<p>Invited Speech 11:00- 12:00</p>	<p>Speakers:</p> <p><i>Information Technology Empowered Inquiry-based Learning for Children</i></p> <ul style="list-style-type: none">• Ms. GAN Lu, Pre-school Teaching Researcher at Longhua District Education Science Research Institute, Shenzhen, China; Chief Principal of Preschool Education Group of Longhua District Education Science Research Institute, Shenzhen, China; Senior Teacher <p><i>Technology-empowered School Transformation</i></p> <ul style="list-style-type: none">• Mr. SONG Yan, Director of the Information Center, Beijing Eleventh School, China



**Invited
Speech**
11:00-
12:00

Technology-empowered Project-based Learning: Providing Good Education to Every Child

- Ms. ZHANG Jia, Secondary School Researcher of Teacher Development Center, Suzhou Industrial Park, China; Senior teacher

The Path and Practice of Digital Transformation in Primary and Secondary Schools - Case Study at Tianjin Yinghua International School

- Ms. CHENG Xin, Director of Educational Technology Office of Tianjin Yinghua International School, China

Moderator: Ms. JIAO Yanli, Senior Education Research Specialist at Smart Learning Institute of Beijing Normal University, China

The 6th International Conference on Smart Learning Environments

Organizers: International Association on Smart Learning Environments

Co-organizers: Hangzhou Normal University

La Rioja International University, Spain

Near East University, Cyprus

Time: August 18-20

Co-chairs: Dr. YANG Junfeng, Hangzhou Normal University

Dr. Daniel Burgos, La Rioja International University, Spain

Dr. Zehra Altınay, Near East University, Cyprus

August 18 (Thursday)

Opening Ceremony 18:30-19:00

Speakers:

- Dr. HUANG Zhaoxin, Vice President of Hangzhou Normal University
- Dr. LIU Dejian , President of IASLE, Co-Dean of SLIBNU
- Dr. Daniel Burgos, Professor of La Universidad en Internet UNIR
- Dr. Zehra Altınay, Professor of Near East University
- Dr. HUANG Ronghuai, Beijing Normal University

Chair: Dr. YANG Junfeng, Hangzhou Normal University

Keynote Speech 1 19:00-19:40

Speakers:

The future of learning: Pros and cons of online learning experience

- Dr. Zehra Altınay, Near East University

Chair: Dr. Ahmed Tlili, Beijing Normal University



Paper
presentation
n
19:45-21:00

Speakers:

***Problem-driven Understanding in Augmented Reality:
The effects on learning engagement and writing
achievement***

- LI Qian, Wenzhou University

***Translation of Spanish text to Mexican Sign Language
glossed text using rules and deep learning***

- Samuel González-López, Tecnológico Nacional de México
- Instituto Tecnológico de Nogales

***Research on Knowledge Graph Construction of Python
Programming Language***

- CHEN Qing, Department of Artificial Intelligence Education,
Central China Normal University

A Systematic Review of Smart Learning Environments

- PAN Rouye, Hangzhou Normal University

***Research on the impact of virtual reality environment on
primary school students' classroom interaction behavior
from the perspective of double-cycle theory***

- ZHENG Xiaoqian, Wenzhou University

Chair: Dr. DENG Ruiqi, Hangzhou Normal University



August 19 (Friday)	
<p>Paper presentation 14:30-15:15</p>	<p><i>Research on the Perception Model and Intervention Mechanism of Academic Emotions Empowered by Artificial Intelligence</i></p> <ul style="list-style-type: none"> • YIN Menghan, Northeast Normal University <p><i>Research on Ethical Issues in Artificial Intelligence in Education</i></p> <ul style="list-style-type: none"> • CHU Juan, Hangzhou Normal University <p><i>Digital Twin technology in the field of education ——Take the management of the HTC Vive as an example</i></p> <ul style="list-style-type: none"> • TAO Zixin, Hangzhou Normal University <p>Chair: Dr. XU Guangtao, Hangzhou Normal University</p>
<p>Keynote Speech 2 15:15-15:55</p>	<p>Speakers:</p> <p><i>Human-Centered AI for Learning: Balance Human and Computational Agency</i></p> <ul style="list-style-type: none"> • Dr. GU Xiaoqing, East China Normal University <p>Chair: Dr. XU Guangtao, Hangzhou Normal University</p>
<p>Paper presentation 16:00-17:45</p>	<p>Speakers:</p> <p><i>A critical evaluation on the use of podcasting in education in the field of international development and education</i></p> <ul style="list-style-type: none"> • NI Yijia, University College London <p><i>Measuring Student Use of Tencent Conference Application in EFL Teaching Based on the Technology Acceptance Model</i></p> <ul style="list-style-type: none"> • WANG Jingli, Hangzhou Normal University



<p>Paper presentation 15:15-17:45</p>	<p><i>The Framework and Implementation of a Highly Immersive Learning Environment for China Science and Technology Museum</i></p> <ul style="list-style-type: none">• GU Peidi, School of Artificial Intelligence, Beijing Normal University <p><i>The Framework and Implementation of a Highly Immersive Learning Environment for China Science and Technology Museum</i></p> <ul style="list-style-type: none">• YE Xinyi, School of Artificial Intelligence, Beijing Normal University <p><i>The effectiveness of artificial intelligence in classroom: A meta-analysis</i></p> <ul style="list-style-type: none">• LIN Ruyi, Hangzhou Normal University <p><i>Research on PBL-based Maker Teaching Mode Supported by AI Algorithm Platform ——Take the teaching of "Face Recognition Access Control System" as an example</i></p> <ul style="list-style-type: none">• XIAO Mingwang, Hangzhou Linping artificial intelligence education base <p>Chair: Dr. Huang Lu, Hangzhou Normal University</p>
<p>Keynote Speech 3 18:30-19:10</p>	<p>Speakers:</p> <p><i>What kind of Multimedia Classrooms (MC) do college students prefer? An investigation in ZJU</i></p> <ul style="list-style-type: none">• Dr. LI Yan, Zhejiang University <p>Chair: Dr. QIAN Xuyang, Hangzhou Normal University</p>



**Paper
presentation**
19:15-20:30

Speakers:

Research on the Influence of Co-construction Concept Map on Students' Classroom Learning Effect in AR Environment

- HAN Miao, Wenzhou university

A Review of the Research on the Application of Artificial Intelligence in Education in China

- QIN Zihua, Hangzhou Normal University

The smart education progress measurement: can field experts' opinions help?

- Irina Dvoretzskaya, Institute of Education, Higher School of Economics

Study on intervention of promoting secondary students' OSRL skills: A latent profile analysis

- HU Yihui, Hangzhou Normal University

Achieving Change through Diversity Reforms in School Management

- Nesrin M. Bahceleri, Near East University

Chair: Dr. SUN Dan, Hangzhou Normal University



August 20 (Saturday)

<p>Paper presentation 14:30-15:45</p>	<p>Speakers:</p> <p><i>The Application of Barrage Technology in College English Classroom Interaction</i></p> <ul style="list-style-type: none"> • XU Xianchi, Hangzhou Normal University <p><i>Scratch Gamification Instruction Design Oriented by Design Thinking for Higher-Order Cognitive</i></p> <ul style="list-style-type: none"> • ZHANG Huaping, Yunnan Normal University <p><i>Research Status and Application Case Analysis of International Learning Space ——Literature Analysis Based on Web Of Science Core Database from 1990 to 2021</i></p> <ul style="list-style-type: none"> • LIU Sijia, Northwest Minzu University <p><i>A systematic literature review of synchronous classroom in 2011-2021</i></p> <ul style="list-style-type: none"> • LI Jiaping, Hangzhou Normal University <p><i>Learner Engagement in Online Learning During Covid-19 Period for Future Projections</i></p> <ul style="list-style-type: none"> • Doğuş Beyoğlu, Near East University <p>Chair: Dr. ZHU Wenjuan, Hangzhou Normal University</p>
<p>Keynote Speech 4 15:50-16:30</p>	<p>Speakers:</p> <p><i>Smart Questions for Smarter Learning Environments</i></p> <ul style="list-style-type: none"> • Prof. Curtis J. Bonk, Indiana University <p>Chair: Dr. YANG Junfeng, Hangzhou Normal University</p>
<p>Closing Ceremony 16:30-17:30</p>	<p>Concluding remarks:</p> <ul style="list-style-type: none"> • Dr. Kinshuk, University of North Texas <p>Chair: Dr. YANG Junfeng, Hangzhou Normal University</p>



Forum on Leveraging Intelligent Technology for Education Innovation & Closing Ceremony

Organizers: Beijing Normal University, China

UNESCO IITE

Time: 14:30-18:30 (UTC+8), **20th August**, 2022

Venue: Changping Campus, Beijing Normal University, China

Forum on Integration and Innovation of Technology and Education

Keynote Speech

14:30-

17:30

Speakers:

Intelligent Technology-based Performance Assessment and Monitoring of Students' Comprehensive Development

- Prof. CHEN Li, Beijing Normal University, China; Director of the Technical Committee of National Engineering Research Centre of Cyberlearning and Intelligent Technology, China

The Thinking and Practice of Educating People Through the Combination of Technology and Education

- Dr. XIN Bing, Researcher and Director of Children & Youth Science Center (CYSC), China Association for Science and Technology

Autonomously Driven Machine Learning

- Prof. ZHU Wenwu, Professor and Deputy Head of Department of Computer Science and Technology (DCST) of Tsinghua University, China; Deputy Head of Beijing National Research Center for Information Science and Technology, Tsinghua University, China

Creating a Digital Future Centre to Drive Innovation in Business Talent Training Models

- Prof. HUANG Xiankai, Secretary of the Party Committee of Beijing Technology and Business University, China



**Keynote
Speech**
14:30-17:30

Smart Education Strategies for Teaching and Learning

- Dr. Sanjaya Mishra, Director in Education, Commonwealth of Learning (COL), Canada

AI+X: Integration of Technology for Education Innovation

- WU Fei, Head of the Expert Group of Artificial Intelligence and Science and Technology Innovation, Ministry of Education, P.R.C; Director of the Research Institute of Artificial Intelligence, Zhejiang University, China

Comparative Paper and Digital Reading Research Study

- Prof. Hirotaka Nanba, Hiroshima University, Japan

Group Intelligence Research and Thinking in Smart Education

- Prof. WU Wenjun, Beihang University, China

Rethinking and Redesigning National Smart Education Strategy Research

- Dr. Joseph South, Chief Learning Officer, International Society for Technology in Education (ISTE), USA

Enculturating Smart Learning Technology

- Prof. Alan Lesgold, Dean (2000-2016) and Professor Emeritus University of Pittsburgh, USA

Mainstreaming OER to Reach the UN UNESCO Sustainability Goal

- Prof. Ebba Ossiannilsson, Chair of the ICDE OER Advocacy Committee, Sweden

Moderator: Prof. DOU Fei, Vice President of Research Institute and Director of Science and Technology Division of Beijing Normal University, China



Closing Ceremony

Opening Remarks 17:30-17:50	<p>Speakers:</p> <ul style="list-style-type: none">• Official of the Department of Science and Technology for Social Development, Ministry of Science and Technology, P.R.C• Ms. XIA Juan, Deputy Director of China Center for International People-to-People Exchange Ministry of Education, P.R.C (CCIPE)• Prof. ZHOU Zuoyu, Vice President of Beijing Normal University, China <p>Moderator: WU Yujun, Director of the Office of International Exchange and Cooperation, Beijing Normal University, China</p>
Project Release 17:50-18:00	<p><i>International Report of Supportive Environment on Artificial Intelligence Courses in K-12</i></p> <p>Speaker:</p> <ul style="list-style-type: none">• Prof. LI Yanyan, Co-director of the Lab of Knowledge Modeling and Analysis of National Engineering Research Centre of Cyberlearning and Intelligent Technology, China <p>Moderator: WU Yujun, Director of the Office of International Exchange and Cooperation, Beijing Normal University, China</p>
Closing Remarks 18:00-18:30	<p>Speakers:</p> <ul style="list-style-type: none">• Prof. LIU Dejian, Co-Dean of Smart Learning Institute of Beijing Normal University, China• Prof. ZHAN Tao, Director of UNESCO IITE (Online)• Prof. HUANG Ronghuai, Co-Dean of Smart Learning Institute of Beijing Normal University, China



LIVE STREAMING



GSE Official



GSE Official



GSE Graphic Live



BNU Official



Sina Weibo



TikTok



China Media
Group Mobile



Baidu Video
App



Kwai App



Bilibili



edmodo
Classroom



Classin



METaverse VENUE

For PC:

You need to download the installation package in advance and log in to enter the Metaverse venue

1. Download link:

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2. Register and log in to enter the Metaverse venue. It is recommended to register with your mobile phone number. Password requires a combination of letters and numbers.
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4. Click on any specific forum to watch the live stream.



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2. Click on any specific forum to watch the live stream, or watch previous replay videos.





ORGANIZING COMMITTEE

Co-Chair of the Organizing Committee



- **WU Yujun**

Director of the Office of International Exchange and Cooperation at Beijing Normal University, China



- **ZENG Haijun**

Vice Dean of Smart Learning Institute of Beijing Normal University, China



- **ZHENG Qinhu**

Deputy Director of National Engineering Research Centre of Cyberlearning and Intelligent Technology, China

Member of the Organizing Committee

(in alphabetical order by last name)

Overseas: Ahmed Tlili、Annie Ning、Galina Udayadas、Oleg Akimov、Sanjaya Mishra

Domestic: CHEN Changjie, GUO Jiong, LI Baoping, LI Wen, LI Yanyan, LIU Jing, LIU Tao, TONG Lili, WU Di, YANG Junfeng, ZHAO Yuchi, ZHUANG Rongxia



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**National Engineering Research Centre of
Cyberlearning and Intelligent Technology**