

# Jing Shi Wisdom & Learning

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Be in awe of education, for it shapes the soul of human,  
Be cautious to technologies, for its adoption has to be effective,  
Be entangled with ‘wisdom’, for uncertainty tends to be increasing,  
Be serious to academics, for academic research needs evidence.

-Dean Ronghuai Huang, delivered at the closing ceremony of the Second US-China Smart Education Conference on March 20, 2017



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# Reviews of SLIBNU Major Events in 2018

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## 2018 Academic Week on Smart Learning and Innovative Design

In January 3rd, many experts and scholars, including famous educator Mingyuan Gu; Weizu Song, Deputy Secretary-General of China Industrial Design Association (CIDA); Guanzhong Liu, Professor of Academy of Arts & Design, Tsinghua University; Eric Byler, an expert of Sino-US ME310 attended the academic week and gave excellent speeches. It attracted over 200 representatives on the first day and more than 2000 people online participated in unit time.



## iSTEM Camp 2018

During January 24th -28th, the activity integrated Khan Math, programming education, science activity and technology experience. It attracted over 20 students to participate and offered referential experiences for it being popularized in pilot schools around the country.

## Smart Education Plan for Xiong'an New Area

To promote the construction of Xiong'an New Area, Co-Dean Ronghuai Huang was entrusted by Ministry of Education of the PRC to redact Xiong'an New Area Smart Education Plan. It will comprehensively plan the layout of education and promote the modernization of education in Xiong'an New Area to advance the coordinated development of education innovation in Beijing-Tianjin-Hebei.

2

## Forum on Educational Development Subject Plan of Pinggu District

On February 10th, experts from Basic Education Division, Ministry of Education and other institutes had an in-depth discussion on the topics of strategic position, developmental orientation, specific plan of the education in Pinggu District.



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## The Third US-China Smart Education Conference

On March 18th, a total of experts attended the third US-China Smart Education Conference, including Qi Dong, President of Beijing Normal University; Neal J.Smatresk, President of University of North Texas; Qingping Zhao and Yunhe Pan, academicians of the Chinese Academy of Engineering; Chaozi Lei, Director of the Science and Technology Division of the Ministry of Education; Binglin Zhong, Chairman of the Chinese Society of Education. During the conference, 2018 Technology Outlook-Chinese Vocational Education: A Horizon Project Report was released. Meanwhile, international conference on smart learning environment and smart education exhibition were held. A total of over 800 participants from research institutes, universities and businesses attended the conference.



## The 1st Smart Education Webinar

During March 20th -25th, the webinar attracted 17 experts and scholars in the fields of education, design, humanity, technology and business from 13 countries like the USA, Holland, etc. In the course, audience from Russia, Japan, Korea, Romania, Madagascar, East Timor, Algeria and other countries communicated deeply with the experts.

## ITU UNESCO Mobile Learning Week 2018 in Paris

During March 26th-30th, Co-Dean Ronghuai Huang attended the ITU UNESCO Mobile Learning Week at UNESCO Headquarters in Paris, France. He introduced China's new curriculum on information technology and our Education Informationization 2.0.



4

## The Digital Maritime Silk Road Sub-Forum of the Forst Digital China Summit

On April 23th, The Digital Maritime Silk Road Sub-Forum of the Forst Digital China Summit, hosted by NetDragon, was held at Fuzhou Strait International Conference & Exhibition Centre (FSICEC). The forum was hosted by Dejin Li, Vice Governor of Fujian Province. Dean Dejian Liu delivered a speech on digital education and digital maritime silk road, reaching two important cooperation.



## Training Courses on "Innovative Design Methodology"

From April to May, training Courses on "Innovative Design Methodology" was successfully held in SLIBNU, Mingzhu Primary School and Rongcheng Middle School of Xiong'an New Area.





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### Lauch Conference of NetDragon Digital Research Center in UNT

On May 15th, Co-Deans visited the University of North Texas (UNT) and attended the launch conference of NetDragon Digital Research Center in UNT.



### The Cooperation Memorandum of the "Education Informatization Partnership" Program was Officially Signed.

On May 29th, during the 5th China-CEEC Higher Education Institutes Consortium, Dušan Nikolić, President of University of Novi Sad; Zuoyu Zhou, Vice President of Beijing Normal University and Li Xiong, CEO of NetDragon signed the cooperation memorandum of the "Education Informatization Partnership" program.



### The Education Development Forum of Xiong'an New Area

On May 30th, a total of over 200 leaders and scholars, including Li Zhang, Secretary-General of the National Education Advisory Committee; Changshan Ren, Deputy Director of Department of Science and Technology, Ministry of Education, jointly discussed the development of education in Xiong'a New Area. Dean Huang gave a speech on the topic of "Study on the Demonstration Zone of Smart Education Innovation".



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### The 19th International Conference on Artificial Intelligence in Education at London Festival of Learning

During June 27th –July 1st, Dean Ronghuai Huang and his team attended the London Festival of Learning, namely the 19th International Conference on Artificial Intelligence in Education (AIED), visiting University College London and University of Cambridge.



### ME310 Global Course (2017-2018) was Successfully Concluded at Stanford University.

On June 7th, sponsored by NetDragon and composed of Beijing Normal University and Stanford University, the team brought the design product "Teamo" with the theme of "Future Classroom", which was recognized by Prof. Larry Leifer and welcomed by design fans from all over the world.



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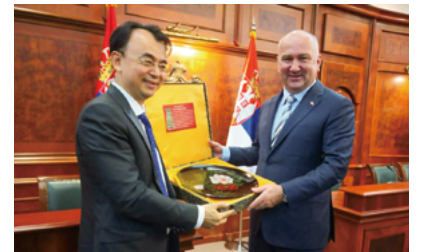
### The 2nd Smart Education Webinar

During June 27th -29th, a total of 10 experts from 6 countries such as Finland, the USA, Canada in the fields of education, design, humanity, technology and commerce discussed on the topic like "The Capacity Building of Open Educational Resources". It attracted over 200 audience from ten countries, such as the USA, Canada, India, Sudan, Finland, etc.



### The Project for Future Education in Central and Eastern Europe at Serbia

During July 14th -19th, Dean Dejian Liu and his team visited Serbia for a cordial meeting with Nenad Popovic, Minister of innovation and technology development of the Serbian side. He and his team also visited two well-known universities in Belgrade and Novi Sad, communicating with Prof. Lalic.



### The 18th IEEE Advanced Learning Technology International Conference in India

On July 9th, Dean Ronghuai Huang was invited as the chairman of the conference and Dean Dejian Liu was invited to deliver a keynote speech. Two Co-Deans and their team discussed cooperation in the field of educational information with President of Indian Institute of Technology Bombay (IIT), well-known Indian professors, Indian scientists and Indian educational companies.



### Artificial Intelligence and Education Academic Salon

On July 18th, the salon focused on the theme "The Impact of Artificial Intelligence on Education". The Turing Award winner, John E. Hopcroft, a professor of Cornell University, delivered a keynote speech entitled "Artificial Intelligence and Deep Learning".



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### The 2018 International Conference on Educational Media and the 2018 Dujiangyan International Forum

During August 16th -18th, Dean Ronghuai Huang attended the 2018 International Conference on Educational Media held at Chungbuk University in South Korea. He was invited to give a keynote speech entitled "A New Era of Artificial Intelligence".

On August 30th, Dean Ronghuai Huang attended the 2018 Dujiangyan International Forum and gave a report entitled "From Digitalization to Digital Survive in the Information Society".



### The 11th International Cognitive Load Theory Conference

On September 4th, domestic and overseas experts, scholars in the field of education and other related fields gathered and discussed on the topic of cognitive load in smart learning environments.

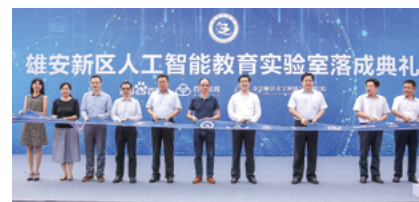


### The 3rd Smart Education Webinar

During September 25th to 28th, a total of 12 experts from the USA, Britain, Serbia, Romania, Russia and China in the fields of education, humanity and medicine provided their presentations on topics such as "Rethinking Teachers' Role in the Era of Artificial Intelligence". It attracted a number of audience from the USA, Britain, Russia, Romania, Serbia, Bulgaria, Montenegro, South Africa, Ukraine, Mongolia, etc.

### Artificial Intelligence Laboratory in Xiong'an New Area

On September 14th, the laboratory was jointly established by SLIBNU and Baidu Education. Shouqing Fu, Deputy Director of the Management Committee of Xiong'an New Area; Yuefeng Yang, Director of Xiong'an New Area; Ronghuai Huang, Co-Dean of SLIBNU; Cheng Zhao, Vice President of Baidu and other guests as well as the faculty and students in Baiyangdian High School participated the event.



### Intelligent Technology-Supported Learning Environment and Technology Application Academic Salon

On September 1st, Prof. Thomas Dana, Deputy Director of the Department of Education, the University of Florida; Prof. Fu Danling; Prof. Qinhua Zheng, Deputy Director of CITlab and Dr. Yue Zhang gave academic reports respectively.

### "Design and Learning" Course

SLIBNU collaborated with the other nine well-known universities (East China Normal University, Huazhong Normal University, Shaanxi Normal University, Southwest Normal University, Northwest Normal University, Xuzhou Normal University, Hangzhou Normal University, Northwest University of Nationalities, Northeast Normal University) provided the "Design and Learning" course, attracting 50 postgraduates to participate.



### International Forum on Transforming Education through Artificial Intelligence

On October 18th, the forum focuses on the frontier issues in the field of artificial intelligence and educational informatization, and discusses the revolutionary impact of information technology on future education. More than 200 experts, scholars and business representatives from all over the world in the field of education informatization and Internet education service industry attended the forum.



### Artificial Intelligence and Educational Reform: Seminar on Robot Education at Home and Abroad

On November 7th, representatives of robot teachers from universities, research institutes, primary and secondary schools and enterprises representatives shared the current situation, problems and prospects of Robot Education in primary and secondary schools from different perspectives.



### The 4th "Smart Education" Webinar

From November 26th to 30th, SLIBNU successfully held the 4th "Smart Education" Webinar which provided a platform for experts and scholars in global education, design, science and technology. Fifteen experts from 12 countries such as China, Netherland, the United States, Tunisia, Estonia, Columbia, Sweden, Poland and Romania have conducted excellent online speeches.

### The 3rd Design, Computational and Innovative Thinking Cultivation Forum

On December 9th, some experts made the keynote speeches, including Guanzhong Liu, Professor of the Academy of Arts & Design, Tsinghua University; Weiping Hu, Professor of the Shaanxi Normal University; Zhang Xiong, Professor of Beihang University; Chen Lin, Senior Vice President of NetDragon, etc. The Panel session is dedicated to the teaching and research staffs from the front line of teaching as well as representatives of educational and scientific research institutes.



### 2018 BNU The Belt and Road Winter Training Program

During December 10th-15th, with the theme of China's Future Education: Innovation, Design and Technology, twenty educational researchers, practitioners, media workers and designers from The Belt and Road countries such as Serbia, Romania, Montenegro, Russia, Pakistan and Vietnam participated in training, visits and inter-school exchanges.



### STEM Teaching Research and Innovation Seminar

On December 13th, about 100 experts and scholars from the educational administrative departments, university research institutions and enterprises as well as teaching and research staffs, backbone teachers and directors of the information center from Beijing-Tianjin-Hebei region attended the seminar. Prof. Kekang He of Beijing Normal University, Dean Ronghuai Huang of SLIBNU made important reports and had a heat discussion with the experts on "STEM Education".





# The 3rd Design, Computational and Innovative Thinking Cultivation Forum was Held in Beijing

## Introduction

From December 8th to 10th, the 2018 International Educational IT Solutions Expo, which focused on educational informatization covering all levels of institutions across the country was held at the Beijing National Conference Center. As one of the sub-forums, the 3rd Design, Computational and Innovative Thinking Cultivation Forum was hosted by Beijing Normal University and organized by Smart Learning Institute of Beijing Normal University, Eternity Education and YASN International Group Co., Ltd. The forum carried over the traditions of the previous sessions, bringing together many scholars, excellent teachers and educational researchers and outstanding enterprise representatives to share the concepts and cases of design, computation and innovation from different perspectives. At the same time, it also hosted the discussion over the hot issues such as AI education after the release of the State Council's "Development Plan ning for a New Generation of the Artificial Intelligence".



Haijun Zeng, Deputy Dean of SLIBNU

## Design and Innovative Thinking Forum



**Guanzhong Liu, Professor of the Academy of Arts & Design, Tsinghua University**

*Design-The Format Thinking Method*

In modern society, design requires subversive innovation and it is a game of thinking.



**Weiping Hu, Professor of the Shaanxi Normal University**

*The Model and Application of Innovative Talents Training at the Basic Education Stage*

It proves that student's innovative quality can be strengthened through training and intervention.



**Chen Lin, Senior Vice President of NetDragon**

*Design Methodology 2.0: Instrumental Application of Design and Personnel Training*

Combining "Design Methodology 2.0" with design education in colleges and universities, the course "Design Methodology" is established to train students' design thinking.

## Computational Thinking and Artificial Intelligence Forum



**Jia Liu, Professor of BNU**

*Creating the Core Competence of the Future-Computational Thinking*

Computational thinking is not the study of dull code, but the cultivation of excellent thinking qualities such as mathematical logical thinking, innovative awareness and critical spirit. It is a compulsory course for future elites and outstanding people of the time.



**Zhang Xiong, Professor of Beihang University**

*Computational Thinking in the New Course Standard of Information Technology for High Schools*

He interpreted the computational thinking in the new course standard of information technology in high schools and defines the four dimensions of information literacy: information awareness, computational thinking, digital learning and innovation, and social information responsibility.



**Longping Zhou, Vice Principal of The High School Affiliated to RenminUniversity of China**

*Exploration of Artificial Intelligence Education and Innovative Talents Training in The High School Affiliated to Renmin University of China*

He introduced the school's AI+STEAM interdisciplinary, comprehensive, multi-level and multi-dimensional curriculum system designed to infiltrate intelligent literacy into all aspects of daily education and teaching.


## Panel Session

The Panel session is dedicated to the teaching and research staffs from the front line of teaching as well as representatives of educational and scientific research institutes. It focused on topics such as "Cultivating Design Thinking in Maker and STEAM" "Computational Thinking and Artificial Intelligence" to share and discuss with the participants and audience.





# International Forum on Transforming Education through Artificial Intelligence was Held in Beijing

 This forum is one of the sub-forums of the 2018 China Annual Conference for Education & Expo. The forum focuses on the frontier issues in the field of artificial intelligence and ICT in education, and discusses the revolutionary impact of information technology on future education.

On October 18th, more than 200 experts, scholars and business representatives from all over the world in the field of ICT in education and Internet education service industry attended the forum. Focusing on the 7 major themes such as "5G and distant interactive learning system", the forum explored how to introduce intelligent technology, advocate smart learning, accelerate the reform of education system and comprehensively improve the quality of modernization training of the talented.



**Zuoyu Zhou, Vice Principal of BNU**

In the process of promoting "double first-class", Beijing Normal University is looking forward to working with the government, scientific research institutes, enterprises and NGOs to promote the continuous integration of education and new technologies such as artificial intelligence to solve educational problems and promote educational equity.



**Xuesong Shen, Deputy Secretary-General of China Education Association for International Exchange**

China is a country that has recognized the importance of artificial intelligence to the development of education early in the world. We should actively respond to the new opportunities and challenges brought by the new wave of technology, and strive to build a new mode of cultivation for the talented, a new mode of education service and a new model of education governance under the "Internet+".



**Ronghuai Huang, Co-Chairman of the Forum, Professor of BNU, Director of National Engineering Laboratory for Cyberlearning Intelligent Technology**

Smart education is a high-end form of ICT in education. The emergence of new technology has greatly promoted the development of smart education, mainly reflected in three aspects: digital education resources, intelligent teaching tools and new learning environment.




**Yonghe Zheng, Co-Chairman of the Forum, Professor of BNU, Former President of National Natural Science Foundation of China**

We should strengthen basic research in education and science and promote the innovative development of smart education. Basic research has become a new highlight and educational and scientific communities should work together to promote the educational reform.



**Anthony Marshall, Global Research Director of the IBM Institute for Business Value**

China and the United States are leading the development of global artificial intelligence and quantum computing. Hope that the two countries will jointly promote the development of global intelligent technology in the future.

 Participants also had a full seminar on the frontier issues such as regional Internet and education and the development of the smart learning environment. Nikola Zivlak, an associate professor from the University of Novi Sad, Serbia, and Yu Lu, an associate professor from the Education Department of BNU attended the seminar.





## 2018 BNU The Belt and Road Winter Training Program

➤ Within the framework of The Belt and Road national talent training base in Beijing, SLIBNU organized the 2018 BNU The Belt and Road winter training at BNU with the theme of "China's Future Education: Innovation, Design and Technology" from December 10th to 15th, 2018. Twenty educational researchers, practitioners, media workers and designers from The Belt and Road countries such as Serbia, Romania, Montenegro, Russia, Pakistan and Vietnam participated in training, visits and inter-school exchanges. The core training course was the design methodology of the "Internet+" era. Outdoor visits covered Baidu Education, Qizhi Special Education School, Huangzhuang Vocational High School, National Library of China, Tomorrow Advancing Life, National Museum and the Palace Museum.



## STEM Teaching Research and Innovation Seminar

➤ On December 13th, about 100 experts and scholars from the educational administrative departments, university research institutions and enterprises as well as teaching and research staffs, backbone teachers and directors of the information center from Beijing-Tianjin-Hebei region attended the seminar. BNU Professor Kekang He made an academic report entitled "Fundamental Way to Realize 'Double Creation'-Creating a Maker Educational System with Chinese Characteristics". He believed that China should start with the three qualities-"innovative awareness", "innovative thinking" and "innovative ability" that talents must possess to create a maker educational system with Chinese characteristics, so as to make it an integral part of innovative education. Dean Huang made a report entitled "New Course Standard for Information Technology and Laboratory Construction of Innovative Education in Science and Technology". Huang believed that social responsibility of information, information awareness, digital learning and innovation and computational thinking were four important aspects.





## The 4th "Smart Education" Webinar

technology. Fifteen experts from 12 countries such as China, Netherland, the United States, Tunisia, Estonia, Columbia, Sweden, Poland and Romania have conducted excellent online speeches covering the "Internet+ education", including teaching resources, teaching modes, learning thinking, learning analysis and the history and development prospects of teaching.



## Educational Robots White Paper 2019: The Global Development

On November 14th, SLIBNU invited representatives from universities, research institutes and enterprises to conduct in-depth discussions about four topics: white paper framework, the concept of educational robots, key technologies and product evaluation. In view of the research work of the White Paper, Professor Binglin Zhong, President of the Chinese Society of Education, Zhao Yang, co-founder of Turing Robot and Director Zhan Hu of Lego Education presented important views. Professor Jilian Lu from Beijing Institute of Technology and Associate Professor Linmi Tao from Tsinghua University have discussed the issue on how to understand the educational robots.



## Artificial Intelligence and Educational Reform: Seminar on Robot Education at Home and Abroad

On November 7th, representatives of robot teachers from universities, research institutes, primary and secondary schools and enterprises representatives shared the current situation, problems and prospects of Robot Education in primary and secondary schools from different perspectives. Bochang Zhong, Director of Chinese Institute of Electronics and Professor of Nanjing Normal University, Professor Haiguang Fang of Capital Normal University, Associate Professor Qian Fu of BNU and President Pengwei Tang of the ERC Robot School of Australia respectively shared thoughts about the theme.





## Innovation & Design Expert Seminar

On Nov. 13 and Nov. 30, 2018, SLIBNU held two expert seminars of the Organizing Committee to discuss in detail the preparations for the January 2019 "Smart Learning - Design Education Academic Week". The participants are from the design, media, education and other fields of China Industrial Design Association, BNU, Central Academy of Fine Arts, Chinese Academy of Sciences, Beijing Film Academy, Beijing University of Posts and Telecommunications, etc. After discussion, the conference finally reached an agreement on the theme and form of expression of the learning week, laying a solid foundation for the smooth organization of the activities.



## Seminar on the Application of Information Technology in Foreign Languages Teaching

On November 15th, SLIBNU held a seminar on the application of information technology in FLT, which was attended by guests from educational technology, foreign languages learning, front-line teachers, enterprises and other related fields. Participants discussed the integration and application of information technology in FLT, including Internet and AI. They discussed the existing problems of foreign languages, teachers' pronunciation, students' foreign languages learning environment, interest and language cognitive rules.



## Leaders and Experts Visit SLIBNU



The Media of SCO Member States Visited SLIBNU.  
(22/10/2018)



Finnish Educational Technology Company Visited SLIBNU.  
(8/11/2018)



Shenzhen Vocational and Technical College Visited SLIBNU.  
(8/11/2018)



INEI Academic Delegation Visited SLIBNU.  
(20/11/2018)



Deputy Director of Fengtai District and Leaders of District Educational Committee Visited SLIBNU. (23/11/2018)



Leaders of Beijing Science and Technology Committee Visited SLIBNU.  
(26/11/2018)



A Team of Teachers of Guangxi Normal University Visited SLIBNU.  
(6/11/2018)



ESCOLNOSSA SENHORA DE FÁTIMA Visited SLIBNU.  
(30/11/2018)



# Project Status in 2018

## The "Design and Learning" Course has an Expert Lecture from Stanford University

➤ On November 21th, 2018, Prof. Mark, Director of ME310 Design and Research Center, Prof. Mark Cutkosky, and Li Jiang, Director of Artificial Intelligence, Robot and Future Education Center of Stanford University, were invited to hold lectures. Teachers and students from Beijing Normal University and cooperative colleges, as well as overseas students from the countries along "The Belt and Road" participated in the lecture.

Submitted by Zhicheng Dong



## Project of the Fourth US-China Smart Education Conference

➤ On October 23th-27th, 2018, at the invitation of the American Educational Technology Association (AECT), the project team participated in "Learning for ALL" International Annual Conference and held talks with Phillip Harris, Executive Director of the Association, Eugene G. Kowch, current Chairman to discuss in-depth topics such as "How Intelligent Technology Promotes Educational Change".

Submitted by Tingwen Chang



## Project for Future Education in Central and Eastern Europe

➤ Professor Bojan Lalic, Dean of the Institute of "The Belt and Road" of Serbia Novi Sad University, and Professor Danimir Mandic, Dean of Faculty Education Institute of Belgrade University, visited SLIBNU to further communicate with each other on project cooperation.

Submitted by Tingwen Chang



## Qingyang Smart Campus Construction Project

➤ In December, 2018, the project team and the Qingyang Education Bureau jointly organized the "Symposium on Smart Classroom Teaching Observation in Primary and Secondary Schools", which was attended by experts and scholars from the administrative departments of education in Qingyang and research institutes of universities.

Submitted by Yongzhong Wang



## Future School Planning Project of Beijing National Day School

➤ In October 2018, entrusted by Beijing National Day School, SLIBNU prepared to provide the future planning and construction plan for the school. Now, the team has completed the preliminary research of the school, obtained relevant data and designed the draft.

Submitted by Yongzhong Wang



## Qingdao "Internet + Education" Action Plan (2016-2018) Assessment Project Conference

➤ On December 11th-12th, the conference was held in Qingdao. Tao Zhan, Director of Information Technology Research Institute of UNESCO; Yunfeng Deng, Director of Education Department of Shandong Province; Peiji Zhu, Vice Mayor of Qingdao Municipal People's Government and Pengzhao Liu, Director of Qingdao Municipal Bureau of Education were present.

Submitted by Yongzhong Wang



## Project of Smart Education Plan in Xiong'an New Area

➤ Through a series of investigations and comparative studies, as well as many discussions and scientific checks on the contents of the project by the expert team, SLIBNU has completed the research on the Education Development Planning of Xiong'an New Area (draft for comments) and related research reports.

Submitted by Yanli Jiao

## Internet Education Product Development Index Report

➤ On October 6th, 13th, and November 4th, the project team invited 120 evaluators from five regions of east, west, north and south of China to participate in product evaluation in the form of zoom meeting. On October 22th and November 16th, the project team invited Shaogang Zhang, Executive Vice President of China Association of Educational Technology, to make comments and suggestions on the progress of the project.

Submitted by Yanli Jiao



# National Related Education Research Results of Countries along The Belt & Road

## Introduction

On April 22th, 2017.Culture and Education High-end Forum under The Belt & Road Strategy was held in Shaanxi Normal University. On behalf of The Belt & Road National Educational Development Research Group of BNU Chinese Institute of Education and Social Development, Dean Ronghuai Huang and his team released 3 reports and 1 database. It has done research and collect the educational data along The Belt & Road, providing useful references for relevant policy makers, researchers and front-line educators.



At a Glance: Education Development in the Belt and Road Countries



A Global Review on Development of Open Educational Resources



At a Glance: The Development of ICT in Education in the Belt and Road Countries



National Educational Development and Research Database in the Belt and Road Countries

## SLIBNU Publicizes Research Results through Various Lectures

Time	Place	Sponsor	Activity	lecturer	Topic
1/21/2018	Xi'an	Ministry of Education	Working Conference of the Education Committee	Ronghuai Huang	The Discipline Construction of Educational Technology in the New Era
3/18/2018	Beijing	Beijing Normal University	The Third US-China Smart Education Conference	Yanli Jiao	Research Report on Cyberlearning Service Industry
3/31/2018	France	UNESCO	The ITU UNESCO Mobile Learning Week 2018 in Paris	Ronghuai Huang	New Curriculum Standard of Information Technology and the Concept of Educational Informatization 2.0
4/14/2018	Beijing	Science and Technology Committee of the Ministry of Education	"Artificial Intelligence and Future Education" Frontiers and Strategies of Science and Technology Roundtable	Ronghuai Huang	Three States of Smart Education: Environment, Model and System
4/16/2018	Guangzhou	China Educational Technology Association	2018 Annual Meeting of China Association for Educational Technology	Ronghuai Huang	Digital Survivability in the Intelligent Age
5/22/2018	The USA	University of North Texas	The Founding Ceremony of NetDragon Digital Development Research Center	Ronghuai Huang	Artificial Intelligence 2.0 and Education
7/1/2018	London	Organizing Committee of London Learning Festival 2018	London Learning Festival (AIED) 2018	Yanyan Li	Public Knowledge Graph Initiative for Science Education
7/13/2018	India	IEEE Computer Association and IEEE Learning Technology Committee	IEEE International Conference on Advanced Learning Technologies (ICALT 2018)	Dejian Liu	Interaction and Engagement in Education Through Technology Innovations
7/21/2018	Beijing	Beijing Normal University and IFLYTEK CO., LTD.	2018 Global Artificial Intelligence and Education Big Data Summit	Yanyan Li	The Knowledge Graph
8/15/2018	South Korea	School of Education, Chonnam University, Cheong Ju, South Korea	the International Conference of Media in Education	Ronghuai Huang	A New Era of Artificial Intelligence
8/31/2018	Chengdu	UNESCO	2018 Dujiangyan International Forum	Ronghuai Huang	From "Digital" to "Digital Survival" in the Information Society
10/20/2018	Xinxiang	Secretariat of the First Annual Conference on Intelligent Education Technology	The First Annual Meeting of Intelligent Education and Technology Professional Committee	Ronghuai Huang	Artificial Intelligence 2.0 and Education
11/1/2018	Beijing	National Open University	The 17th China International Distance Education Conference	Ronghuai Huang	Develop Smart Learning Environment and Promote the Reform of Educational System
11/12/2018	Zhuhai	National Engineering Laboratory of Cyberlearning Intelligent Technology and China Education Innovation Institute, BNU	Internet-Driven Educational Innovation Forum	Ronghuai Huang	Roundtable Forum "New Relations and New Subjects: Inside and Outside School, Industry and School"
11/18/2018	Shanghai	East China Normal University	Annual Meeting of Information Technology Education Professional Committee of Primary and Secondary Schools	Ronghuai Huang	The Teaching Environment and Learning Tools of Information Technology Curriculum
11/25/2018	Beijing	Research Centre for Internatioanl & Comparative Education, National Institute of Education Sciences and Beijing 101 Middle School	The Second "The Belt & Road" Educational Dialogue Conference	Ronghuai Huang	A New Round of Scientific and Technological Revolution and Educational Reform
11/25/2018	Beijing	Beijing Open University	The Second Annual Conference on Network Education	Ronghuai Huang	Online Education and Smart Learning
12/5/2018	Beijing	China Development Research Foundation, etc.	GES 2018 Future Education Conference	Ronghuai Huang	The Direction of Supply-Side Reform: Demand and Satisfaction of Education
12/6/2018	Chengdu	Southwest University	Artificial Intelligence and Innovative Learning in Southwest University	Ronghuai Huang	A New Round of Scientific and Technological Revolution and Educational Reform
12/7/2018	Ningbo	Educational Equipment Research & Development Center, Ministry of Education	Seminar on "New Age, New Curriculum Standard and New Equipment"	Ronghuai Huang	New Curriculum Standard of Information Technology and Laboratory Construction
12/17/2018	Suzhou	Suzhou Industrial Park	Seminar on Education Big Data + AI Enabling Individualized Education	Ronghuai Huang	Application of Artificial Intelligence in Education: Current Situation and Challenges
12/20/2018	Nuijiang	Department of Science and Technology, Ministry of Education and Department of Education of Yunnan Province	Special Training on Informatization of Education for Primary and Secondary School Principals in "Three Districts and Three Prefectures" of the Ministry of Education	Ronghuai Huang	How to Promote the Development of Schools by ICT
12/28/2018	Beijing	Department of Science and Technology, Ministry of Education	Symposium on Promoting the Development of Smart Education	Ronghuai Huang	Towards "Intelligent Education": Opportunities for Intelligent Technology to Reform Education



## Exclusive Interview



Yin Xiayu

Project Manager of Open Educational Resources Laboratory of SLIBNU. She graduated from York University, UK

**Q The US-China Smart Education Conference held by SLIBNU has been conducted successfully for three times since 2016, and SLIBNU is now actively preparing for the fourth session. As a project manager, would you like to introduce the progress of the present work? Can you tell me what you have done?**

**A** In March 2019, Beijing Normal University will co-sponsor the Fourth US-China Smart Education Conference with the University of North Texas. After three years of training, this conference has become an important brand event in the field of educational informatization in the two countries. In 2019, this conference will be held in the United States for the first time. The theme of the conference is "Intelligent Technology will Change Education". At present, China and the United States are working together in an orderly and tense way to effectively communicate online and offline, and solve various problems in a timely manner. Now the progress is relatively smooth. As a project manager, my main work includes academic report and conference affairs. Since August 2018, the team has been traveling to Kansas, Wuhan and Fuzhou. We have organized more than 10 face-to-face interviews and three micro-workshops. We interviewed more than 20 experts and scholars from the academia of Tsinghua University, Central China Normal University, Harvard University, South Carolina State University, Microsoft, Google, IBM and Pearson. This travel has accumulated abundant expert resources and academic materials for the report writing. We can't disclose the details of the report yet. We are looking forward to your continuous attention. I mainly do the work of writing concept documents, researching conference topics, planning projects, etc., and also actively participate in the production of publicity atlas, inviting well-known enterprises and other work. These tasks are not a small challenge for me. I always remind myself to deal with the relationship between effectivity and efficiency - "do the right thing" and "do things efficiently", to clear the direction, and then apply my energy and work hard.

**Q Since joining SLIBNU, you have succeeded in two successive promotions for your excellent performance. Can you tell us what your greatest achievements are in SLIBNU?**

**A** In recent years, I have participated in the preparation of the second and third US-China Smart Education Conference, and organized the 2017 NMC

Technology Outlook for Chinese Higher Education and 2018 NMC Technology Outlook for Chinese Vocational Education.

Through the above work, I feel that I have made great progress in structured thinking ability. No practice, no gain in one's wit. Only through continuous application, especially high standards of implementation, can we master structural thinking methods. I am responsible for communicating with 112 Chinese and American experts on the contents of the report and listening to feedback. In order to complete the task successfully, I try to use STAR rule to deal with a large number of concurrent communication needs. Specifically, the first step S refers to Situation, which is to analyze the project background, including the type of experts, communication methods, project resources and so on. The second step T refers to Task, which means to divide work tasks, including identifying the roles of me as well as my collaborators, formulating a detailed worksheet of tasks and identifying important milestones. The third step A is Action, which means to refine the implementation of tasks, including the time-interval communication with experts of different professional backgrounds, timely organizing experience lists and a real-time sharing as well as the dynamic tracking of work progress. The fourth step R refers to Results, which is to quantify the work results, including data-oriented phased and final outcomes, standardization of common problems in the process and the solutions, and visualizing follow-up work plans. My growth and progress can't be separated from the careful cultivation of the teachers from SLINU. It is their courageous struggle and hard work that have created this broad platform. It is also their words and deeds that constantly inspires each of us to steadily move forward.

**Q You have studied in Britain and the United States. What are the feelings when you think about studying and living abroad? What expectations do you have in the future?**

**A** Overseas study and life helped me to broaden my horizon, increase my knowledge, open my mind to embrace multicultural influence and listen to different opinions and advice. There are three main aspects that have greater impacts on me. The first is to enhance the ability of rapid learning and adaptation. Coming to an environment different from our own culture, it is particularly important to quickly understand the cultural background and customs and to adapt to the learning and life as soon as possible. The second is to cultivate a positive and optimistic attitude. Open your heart, make friends with students from all over the world, think positively with empathy, face difficulties actively and constantly try to enhance the self-confidence. Finally, keep curious about the world. The British and American teaching modes are student-oriented and advocate the spirit of active inquiry. Only by constantly finding problems and persistently and actively exploring knowledge can we really learn something. The experience during the school period allows me to adapt to the role calmly and learn quickly, courageously face difficulties and respond positively, not fearing complex problems and constantly trying various solutions.

On the New Year's Day this year, I set a small goal for myself: strive to make great progress in academic research and project work. In the field of academic research, I will consolidate the professional knowledge in educational technology and constantly improve my professional ability. I hope that the upcoming academic report can truly serve the theoretical and practical workers of educational informatization. In the field of project management, I will strive to take into account the cultural differences between China and the United States, standing on a higher level, thinking deeply and taking more steps to "tell a good Chinese story" with the team!



# Smart Learning Institute of Beijing Normal University

**The Smart Learning Institute (SLI) of Beijing Normal University is a comprehensive experimental platform involving scientific research, technology development and instructional teaching, which is jointly established by Beijing Normal University and a global educational technology company, Eternity (a subsidiary of NetDragon). SLI focuses on finding learning patterns powered by ICT, creating smart learning environment and platforms for lifelong learning, as well as supporting diversified, personalized and differential learning needs for digital learners.**

- ▶ Focusing on the methods of design, optimization and evaluation for learning environment as well as developing the key technologies for learning environment engineering aims at providing a widely-spread solution for promoting smart learning.
- ▶ Constructing the theory of smart learning and exploring the approaches of integrating ICT with Education aims at offering an international exchange and cooperation platform to smart learning research.
- ▶ Studying on the characteristics and patterns of schooling, family education, community education, enterprise learning and public learning aims at providing support for constructing a learning-oriented society and smart city.
- ▶ Expanding the experimental areas and schools for smart learning as well as exploring the characteristics of ICT-based instruction and the models of future schools aims at promoting educational transformation and innovation.



**Co-Dean, Dejian Liu**

CEO & Chairman of NetDragon Websoft Holdings Limited (777.HK), Special Allowance Expert in the State Council of China, Co-dean of Smart Learning Institute of Beijing Normal University, Adjunct Lecturer of Harvard Graduate School of Education.



**Co-Dean, Ronghuai Huang**

Co-dean of Smart Learning Institute of Beijing Normal University, Director of UNESCO International Rural Educational and Training Centre, Director of National Engineering Lab for Cyberlearning Intelligent Technology.

## Open Series in Springer

- Lecture Note in Educational Technology  
Series Editors: Huang, R., Kinshuk, Jemni, M., Chen, N.-S., & Spector, J.M.
- Smart Computing and Intelligence  
Series Editors: Huang, R., Kinshuk, & Dede, C.



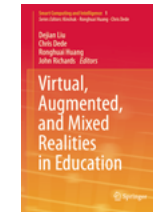
## Springer's Journals

- Smart Learning Environment  
(The Official Journal of IASLE)  
Editors: Huang, R., Kinshuk, & Soloway, E.
- Journal of Computing in Education  
(The Official Journal of GCSCE)  
Editors: Huang, R., Hwang, G.-J., Kong, S.-C., & Chen, W.



## Design and Learning Laboratory

Study on the features and patterns of design, computational and innovative thinking for youth; Develop courses and books about design methodology, computational thinking and ICT; Build cooperative platform with world-renowned universities, enterprises and institutes for design and innovation.



Virtual, Augmented, and Mixed Realities in Education



Discuss with Prof. Larry Leifer at d.School of Stanford University (2017.04.11)

## Smart City and Learning Environment Laboratory



Release Conference of White Paper: Smart Learning Environments in China 2015(2015.09.20)



Index Report of Smart Learning Environments in Chinese Cities



2016 Report of the Cyberlearning Products Development Index in China

Study on the typical learning fields in smart cities and learning societies; Create database of smart learning environment; Publish serial reports on learning environment as well as service industry and products of cyberlearning.

## Open Educational Resources (OER) Laboratory

Study on the solution of OER under its impact to the developing countries; Construct the OER community for The Belt & Road countries; Publish reports on the trends of ICT in education.



The 1st US-China Smart Education Conference (2016.01.14)



Series of Horizon Report in China



At a Glance: Education Development in the Belt & Road Countries



Smart Learning and OER International High-end Forum (2017.05.25)

## ICT-based Instruction Center

Explore the methodology of integrating ICT into education with large-scale experiments; Study on the solutions of smart classroom and smart campus; Provide the services for transferring education through the bridge of the theory and practice.



Initial Conference in Experimental Area of Smart Education in Fuquan, Guizhou Province



101 Education PPT Solution

## Educational Robotics Center

Study on the scenarios of robotics in education and the trend of artificial intelligence; Develop the courses for robotic education and STEAM education for K-12 schools. Design educational robotic for various learning fields, such as school, family, etc.



2016 Educational Robotics White Paper: The Global Development



The Next Big Thing: Global Development Status and Trends in Educational Robotics



Prototype of Educational Robotics