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
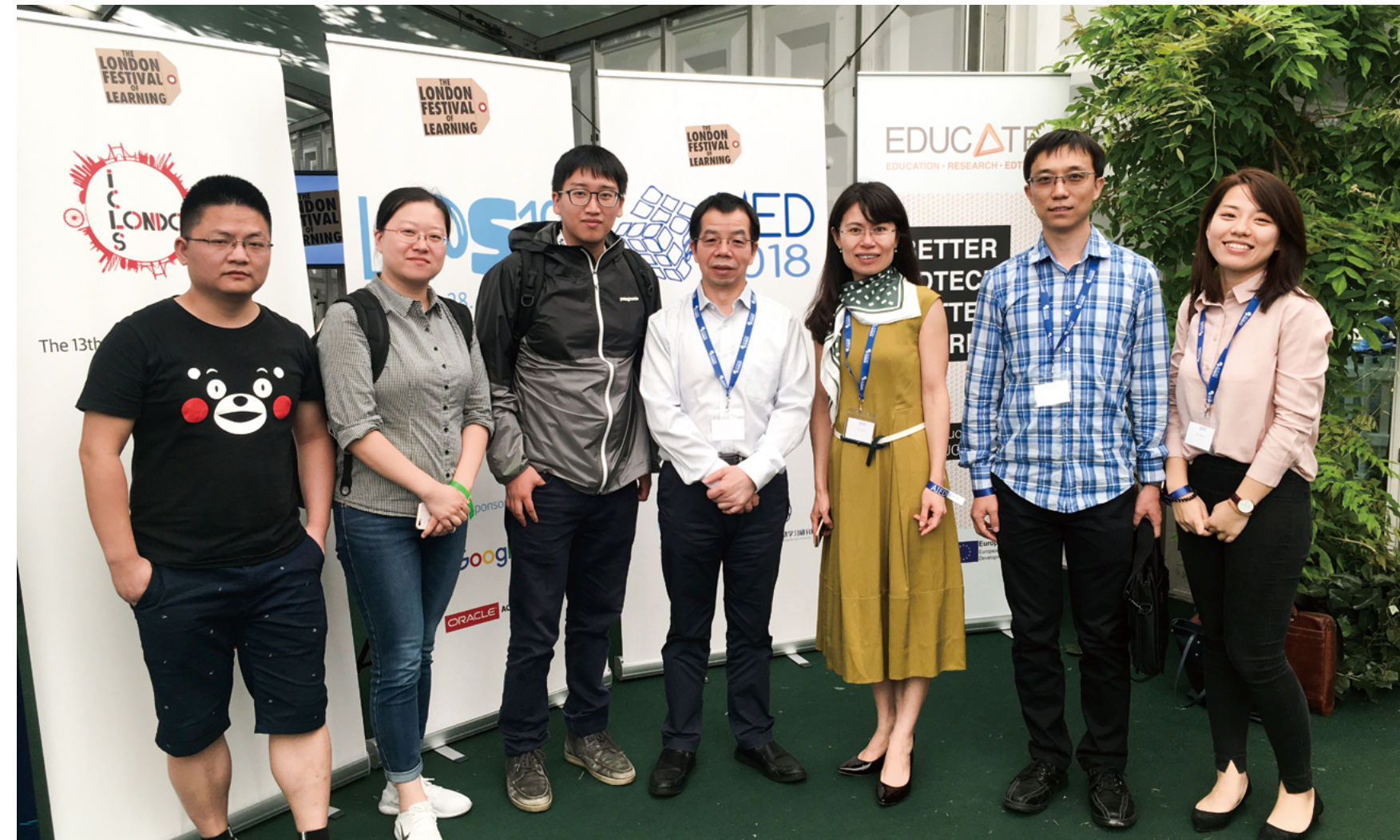
Smart Learning Institute
WeChat QR Code

Email: smartlearning@bnu.edu.cn
Phone: 8610-58807219
Website: sli.bnu.edu.cn
Address: 12F, Block A, Jingshi Technology
Building, No. 12 Xueyuan South Road,
Haidian District, Beijing, China
Postcode: 100082

Email: chengzhenzhen@101.com
Phone: 86591-88066792
Website: sli.bnu.edu.cn
Address: 581 Building, 58 Hot Spring
Road, Fuzhou City
Postcode: 350013

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

Contents

Summer 2018

Important Events 02-03

Seminars 16-17

Cooperation & Communication 18

Project Status 19-20

Books & Articles 21

Exclusive Interview 22-23

Co-Deans and the Team Visited the United States

Co-Deans Visited the University of North Texas and Attended the Conference of NetDragon Digital Research Center

On May 15, Co-Deans Ronghuai Huang and Dejian Liu visited the University of North Texas (UNT) with the team. Dean Ronghuai Huang delivered a wonderful speech entitled "Artificial Intelligence 2.0 and Education". The two deans attended the launch conference of NetDragon Digital Research Center in UNT. In addition, they discussed in depth the 4th US-China Smart Education Conference in UNT in 2019 with Neal Smatresk, President of UNT. The theme of the conference in 2019 has been defined as "How Smart Technology can Transform Future Education".

Dean Ronghuai Huang is delivering a speech

A Seminar for the 4th US-China Smart Education Conference

The Launch Conference of NetDragon Digital Research Center

Dean Ronghuai Huang and His Team Visited the University of Florida and Stanford University

During May 18-20, Dean Ronghuai Huang and his team visited the University of Florida(UF) and communicated with the heads of various institutes about projects and academic exchanges in the fields of smart learning environment, online learning, big data, VR/AR, etc.

A Visit to School of Teaching and Learning in the UF
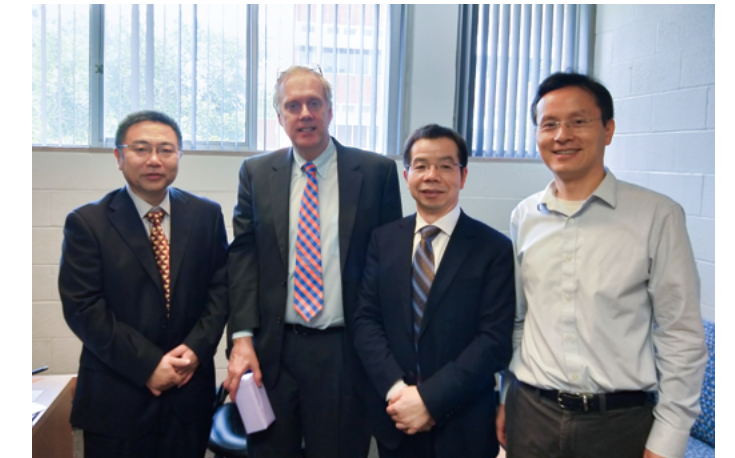
A Visit to the Big Data Learning Centre, NSF

Dean Huang and his team also visited Stanford University and exchanged achievements and future cooperation plans of the ME310-Global course jointly funded by NetDragon, SLIBNU and School of Design, Stanford University as well as discussed further cooperation on new projects.

A Visit to Stanford University

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

During June 27-July 1, Dean Ronghuai Huang and his team attended the London Festival of Learning, namely the 19th International Conference on Artificial Intelligence in Education (AIED) and visited famous universities.

Main Venue of London Festival of Learning

The Delegation of SLIBNU at AIED Conference

Vice-Dean Yanyan Li Delivered a Keynote Speech

As the only female keynote speaker, Vice-Dean Yanyan Li delivered a keynote speech titled "Public Knowledge Graph Initiative for Science Education". This paper introduces the applications and research outcomes of Public Knowledge Graph in the field of learning science.
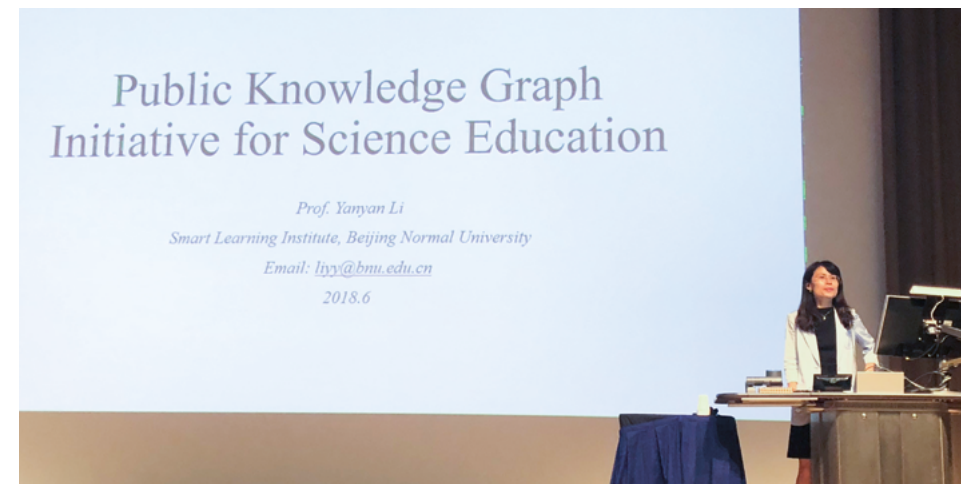

Vice-Dean Yanyan Li from Beijing Normal University is giving a keynote speech

Workshop on the Theme of "Artificial Intelligence will Promote the Quality and Equality of Education"

As one of the major partners of AIED, SLIBNU and National Engineering Laboratory for Cyberlearning and Intelligent Technology (CITlab) hosted the workshop on the theme of "Artificial Intelligence will Promote the Quality and Equality of Education", which invited experts, professors and enterprise representatives from China, the United States, Brazil, etc. They conducted interdisciplinary discussion and communication on the topics of artificial intelligence in education, learning science, educational technology, educational investment, etc.

Visits and Exchanges in the UK

During the visit to the UK, Dean Huang and his team also visited the UCL knowledge lab, The Education Reform and Innovation (ERI) Centre of Faculty of Education as well as Department of Computer Science and Technology, University of Cambridge. They communicated with the heads of various institutes, as well as conducted research introduction and academic exchanges between China and the UK with experts and professors in the fields of artificial intelligence, learning science and smart learning environment.

Dean Huang and his team visited the Education Reform and Innovation (ERI) Centre of Faculty of Education , Cambridge University

Dean Huang and his team conducted academic discussion with experts and scholars

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

On May 29, the 5th China-CEEC Higher Education Institutes Consortium was held at Shenzhen University. Dean Huang was invited to deliver a speech on the "Education Informatization Partnership" Program. The program aims to develop a comprehensive school-enterprise cooperation in five areas of teacher training, educational resources, ICT-based innovative teaching models, ICT infrastructure construction, and policy analysis and planning through the establishment of "Future Education Joint Virtual Laboratory". Dušan Nikolić, President of University of Novi Sad; Zuoyu Zhou, Vice President of Beijing Normal University, and Li Xiong, CEO of NetDragon Websoft Holdings Ltd. signed the cooperation memorandum of the "Education Informatization Partnership" Program to announce the official launch of the program.

Dean Huang is Delivering a Speech.

The Cooperation Memorandum was Signed

A Group Photo

The Digital Maritime Silk Road Sub-Forum of the First Digital China Summit was Hosted by NetDragon

On April 23, the Digital Maritime Silk Road Sub-forum of the First Digital China Summit, hosted by NetDragon was held at Fuzhou Strait International Conference & Exhibition Center (FSICEC). With the theme of "Digital Maritime Silk Road Strengthens People-to-people Contacts", the forum was hosted by Dejin Li, Vice Governor of Fujian Province, and invited many leaders and experts. Dean Dejian Liu delivered a speech on "Digital Education" and "Digital Maritime Silk Road". The forum also reached two important cooperations: the Nigerian federal government signed a memorandum of cooperation with NetDragon, and Elernity signed a strategic cooperation framework agreement with Pearson Education.

Nenad Popović, Minister Without Portfolio of Serbia

Dong Chen, Deputy Director of Liaison Office of the Central People's Government in the Hong Kong Special Administrative Region

Dean Dejian Liu is delivering a speech

Nigerian Federal Government Signed a Memorandum of Cooperation with NetDragon

Elernity Signed a Strategic Cooperation Framework Agreement with Pearson Education

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

On June 7, 2018 in the US, design enthusiasts from China, the US, Finland, Japan, Germany and other countries gathered at Stanford University to attend a series of ME310 Global courses EXPE arranged by Stanford University D-School, showing their learning achievements during the last 9 months. The team sponsored by NetDragon and composed of Beijing Normal University and Stanford University, 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.


The designers and their product "Teamo"

ME310 Global Course

Having been launched for over 40 years, ME310 Global is one of the most influential courses at Stanford University and provides innovative and design training of new products. The course aims to instruct students in the methodology and practice of creative design and international teamwork. Led by Prof. Larry Leifer and his Design Research team, the course develops rapidly.

Teamo

Teamo is a smart product designed to promote the interaction with the theme of "Future Classroom", helping students solve problems in the team. Teamo will both develop the teamwork ability of students and assist teachers in making connections with students and tracking their participation level. As a result, students could enjoy an equal education and better understand the questions asked by teachers and be more active in the class.
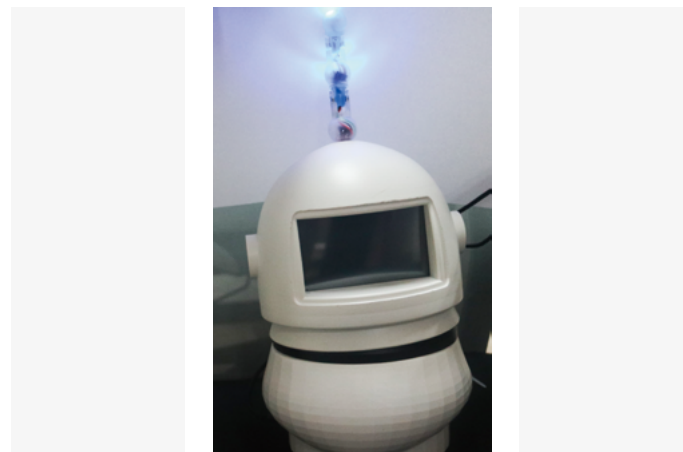
Teamo

Teamo Designers

Teamo was designed by a cross-cultural, inter-disciplinary and international team including senior designers from NetDragon Websoft Inc., Glenn Davis, Martin Perez, Colon, Ning De-Eknamkul and Ye Wang from Stanford University, as well as Haogang Bao, Heqiu Song, Yue Sun, Yunpeng Yuan and Siyu Zha from Beijing Normal University. The team was a perfect symbol of diversity and vitality.

The team is presenting "Teamo"

Designers and Their Tutor

Course Review

In September, 2017

ME310 Global and the design course at Beijing Normal University started at the same time；

In October, 2017

the selected students made their first product presentation；

In November, 2017

students from the two universities attended the Global kick-off activity, their first face-to-face meeting;

In January, 2018

during the Smart Learning and Innovative Design Week at Beijing Normal University, students made the mid-term product presentation;

In March, 2018

students held their second face-to-face discussion at the NetDragon Websoft Inc., whose designers gave suggestions to them. They firstly had the idea of creating the "Future Classroom Smart Robot";

From March to June, 2018

students worked together to design and made the product. Students from Beijing Normal University were responsible for software programming and conducting experiments in over ten schools while students from Stanford University were in charge of product appearance and hardware designs.

The Mid-Term Product Presentation at BNU

Designers are showing Teamo

A discussion at Stanford University

The Education Development Forum of Xiong'an New Area

On May 30, during the "Internet +" Education Innovation Week, "the Education Development Forum of Xiong'an New Area" hosted by SLIBNU was successfully held in Beijing. A total of more than 200 leaders and scholars, including Zhongxiong Fang, Dean of Beijing Academy of Educational Sciences; Changshan Ren, Deputy Director of Department of Science and Technology of the Ministry of Education, jointly discussed the development of education in Xiong'an New Area. Dean Ronghuai Huang gave a speech on the theme of "Study on the Demonstration Zone of Smart Education Innovation". Two roundtable forums were also held in this sub-forum.

Zhongxiong Fang, Dean of Beijing Academy of Educational Sciences

Changshan Ren, Deputy Director of Department of Science and Technology of the Ministry of Education

Dean Ronghuai Huang is giving a speech

A Roundtable Forum

A Group Photo

Webinar: Open Education and Future Creators in the Intelligent Era

 During June 27-29, "Open Education and Future Creators in the Intelligent Era" online learning week was successfully concluded by SLIBNU. It was composed of three forums, including "The Capacity Building of Open Educational Resources", "The Significant Impact of the Emerging IT on Education and Future Creators" and "Multi-disciplinary Innovation and Creation in the Intelligent Era". 10 guests from 6 countries and more than 200 participants from nearly 10 countries attended this learning week.


The Sub-Forum in SLIBNU

A student from The B&R is watching the webinar

1. The Capacity Building of Open Educational Resources (OER)

 On June 27, "The Capacity Building of Open Educational Resources" forum was held in SLIBNU. Kekang He, Professor of Beijing Normal University; Dr. Michael Paskevicius from University of Victoria; Michelle Reed, a librarian at the University of Texas were invited to discuss the importance of OER. And they exchanged experience in building capacity to search, use, produce and share OER from different perspectives of relevant educational personnel.


A Group Photo of Prof. Kekang He and Participants
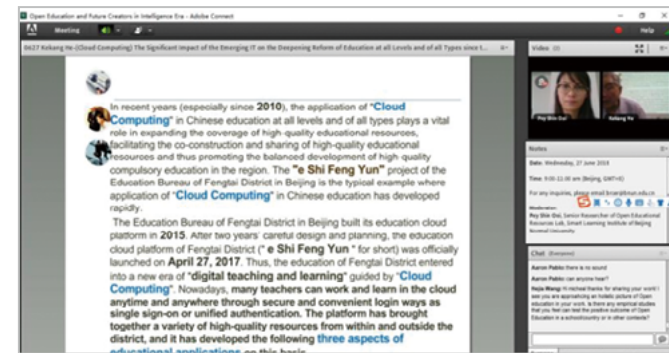
The webinar is going on

2. The Significant Impact of the Emerging IT on Education and Future Creators

 On June 28, "The Significant Impact of the Emerging IT on Education and Future Creators" forum was held in SLIBNU. Prof. Eija Kärnä from University of Eastern Finland, Prof. Aeron Zentner from Coastline Community College in California, Prof. Vivekanandan Suresh from Athabasca University in Canada, and Maiga Chang, Associate Professor of Athabasca University and President of the TCLT in IEEE attended the webinar. They shared many cases and practices on technologies applied in education and its innovation, showing how the emerging IT influences the reform of education at all levels and of all types.
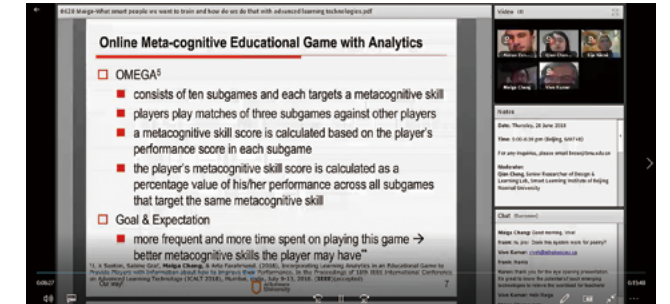
The webinar is going on

3. Multi-disciplinary Innovation and Creation in the Intelligent Era

 On June 29, "Multi-disciplinary Innovation and Creation in the Intelligent Era" forum was held in SLIBNU. It demonstrated how multi-disciplinary innovation develops in the intelligent era, providing plenty of real cases on the way to motivate innovative consciousness, cultivate innovative design thinking and improve the self-learning ability of the students. Markus Schuckert, Assistant Professor of The Hong Kong Polytechnic University and Yanbo Wang from China Minsheng Bank attended the forum.
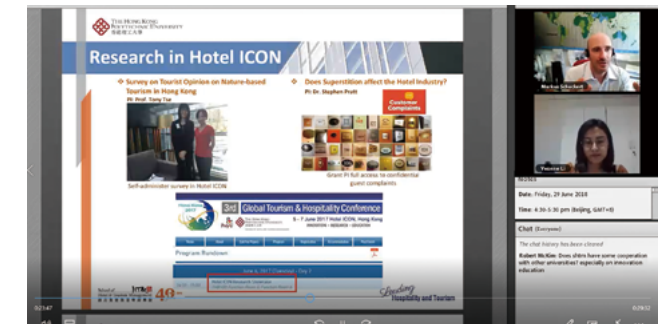
The webinar is going on

Training Courses on "Innovative Design Methodology"

▷ The training course is one of the training programs of "Innovative Design Education" offered by SLIBNU and serves as an important educational practice to provide more creative-minded teachers under the innovation-driven national strategy. It also fully draws on its strength on international communication, facilitating further output to and in-depth communication in innovative education with The Belt & Road countries.

Teacher Training on "Innovative Design Methodology" was Successfully Held in SLIBNU and Xiong'an New Area

▷ On April 21-22, SLIBNU gave three training courses on "Innovative Design Education" in SLIBNU which attracted 60 training members and in Xiong'an New Area where over 160 teachers participated. The training program which generally achieved its expected goals is extremely helpful in accelerating the development of innovative design education and promoting The Belt & Road Initiative.

"Innovative Design Methodology" in Xiong'an New Area

Training Course on "Innovative Design Methodology" in Mingzhu Primary School of Xiong'an New Area

▷ On May 12, the project team of SLIBNU gave a special training course on "Innovative Design Methodology" in Mingzhu Primary School, bringing the teaching tool "101 Teaching PPT". The tool is designed to effectively solve the problems of course design and student behavior management, which drew a positive attention of the school leaders and teachers. More than 50 teachers took part in the course.

Training Course in Mingzhu Primary School

Training Course on "Innovative Design Methodology" in Rongcheng Middle School of Xiong'an New Area

▷ On June 16, the project team of SLIBNU gave a special training course on "Innovative Design Methodology" in Rongcheng Middle School, which attracted over 300 teachers from 44 schools in Rongcheng County. The training focused on teaching practices, offering the participants a fresh experience of innovative design thinking and methodology as well as showing them how to solve the teaching problems from students' perspective.

Training Participants in Rongcheng Middle School

The Seminar on the Theorization of Design Methodology

On April 3, the seminar on the theorization of Design Methodology was held in SLIBNU, in which Prof. Guanzhong Liu from the Academy of Arts & Design in Tsinghua University, Peisheng Li, Bosen Wang and other scholars were invited. They discussed the topics on "Cultivating Innovative Talents in the New Era" and "Fostering Innovative Thinking in Design Methodology".

At the Seminar

Panel Meeting of Education Management Informatization of Ministry of Education

On May 27, the Panel Meeting of Education Management Informatization of Ministry of Education was held at SLIBNU, and the attendees included Nan Li, Deputy Director of Depart ment of Science and Technology in Ministry of Education; Hua Shu and Changshan Ren, Director and Deputy Director of the Informatization Division; Runkai Pan and all the panel members of Education Management Information Center. They discussed the solutions to integrating the information system of administrative affairs and the Implementation Plan of the IPV6 Scale Deployment and Application in Education.

The Panel Meeting

The Seminar on Demonstration Zone of Smart Education

On May 6, several experts and scholars were present at the seminar on Demonstration Zone of Smart Education held by SLIBNU, including Hua Shu and Changshan Ren, Chief and Deputy Chief of the Informatization Division in the Department of Science and Technology in the Ministry of Education; Zhiguang Shan, Director of the Department of Informatization and Industry Development in the State Information Center; Zhuang Wu, Director of the Information Center in Beijing Municipal Education Commission. They conducted extensive discussion on the topic of "Innovation of Smart Education".

At the Seminar

Academic Seminar of University of Florida

On June 22, Academic Seminar of University of Florida was held in SLIBNU. Many scholars were invited to attend the academic seminar, including Li Chen, Vice President of Beijing Normal University; Prof. Weihong Tan from University of Florida; John Gregory Harris, Director of Department of Electrical and Computer Engineering in University of Florida, and Xiaolin Li, Director of Center for Big Learning of National Science Foundation. They discussed topics on academic study, talent cultivation and international exchanges, aiming to further the research on education big data, deep learning and learning analysis as well as to facilitate communication and cooperation between University of Florida and SLIBNU.

At the Seminar

Scholars and Experts Visited SLIBNU

Vice President of Charles Darwin University visited SLIBNU.
(11/4/2018)

Delegations from Asian Institute of Technology visited SLIBNU.
(10/5/2018)

Scholars from Digital World Institute of University of Florida visited SLIBNU.
(10/5/2018)

Prof. Guy Trainin of the Nebraska Lincoln School and others visited SLIBNU.
(24/5/2018)

Delegations from University of Eastern Finland visited SLIBNU.
(1/6/2018)

Scholars from University of Florida visited SLIBNU.
(22/6/2018)

Project Status
in 2018

"Vocational Education and Training Association in Xiong'an New Area" Project

Having studied some policy papers and documents, the project team paid several field trips and made some telephone interviews in three counties including Xiong County, Rongcheng and An'xin, consequently getting a better understanding of local vocational education and training. Based on the research result, the team outlined the initial plan for the Association, aiming to align the vocational education in Xiong'an New Area with the schemed industry development and help local farmers to find jobs.

Submitted by Yanli Jiao

A Photo of Research Team

"Cooperation Partnership of ICT in Education" Project

Facilitated by SLIBNU, the project was officially launched by University of Novi Sad, Beijing Normal University and NetDragon Websoft Inc., covering teacher training, education resources sharing, ICT-based teaching model, ICT infrastructure and policy analysis and planning. It also plans to conduct the first field research on educational conditions in 16 Central and Eastern European countries.

Submitted by Peixin Huang

"Research and Evaluation of Chinese Cyberlearning Products" Project

The previously-finished research laid a solid foundation for a sound and practical top-level system design, and the recruitment of the team members is well underway. Preliminary schemes and system on index report of the Cyberlearning products have been built, and the data of some domestic and internationally famous Cyberlearning products has been collected. The Evaluation of the products and analysis of the data will be the next step.

Submitted by Yang Tian

School-based Curriculum Design - "Comprehensive Science Course" in Beijing No.8 High School

Design and Learning Laboratory has trained a group of BNU students in innovative design methodology and five of them were selected by the Laboratory and several teacher consultants from the High School. The five BNU students were further trained in comprehensive science course by the teachers and were gradually involved in the R&D phase of the course.

Submitted by Zhicheng Dong

"The 'Internet + Education' Initiative in Qingdao (2016-2018) Evaluation" Project

In May 2018, commissioned by the Qingdao Municipal Government and the local Bureau of Education, BNU evaluated the "Internet + Education" Initiative in Qingdao (2016-2018) and formulated the second same-name initiative. In June, over 20 experts divided into four groups undertook research in 62 schools in 11 districts (county-level cities), collecting a huge amount of first-hand data. Now, the project team has drafted the framework of the evaluation report, compiled research report of the 62 schools and gathered all the excellent cases.

Fed by Yongzhong Wang

The Evaluation Conference

"The Special Plan for Education Development (2035) and the Medium- and Long-term Development Plan for ICT Application in Education in Pinggu District, Beijing" Project

The first draft of Special Plan and Education Soft Power Improvement Measures in Pinggu District has been finished and submitted for suggestion to Pinggu Education Commission. The formulation of the Three-year Education Development Plan of Pinggu is already underway and will be completed in the end of July. The first draft of the Development Plan is drawn up and the Three-year Initiative of ICT in Education in Pinggu has been drafted, both of which have been submitted for advice.

Fed by Yongzhong Wang

"Smart Upgrading of SLIBNU Exhibition Hall" Project

The exhibition hall has been equipped with Raspberry Pi- and Python-based television, air-conditioning, electric glass, windows, doors, curtains, projector, face recognition and reporting. The facilities can be controlled by Apple HomeKit, Google Assistant with multi-language audios, and related application and website page.

Submitted by Zhong Ren

"The Leadership Training of School Principals in Fuquan Municipality, Guizhou Province" Project

The project took three years (six semesters) to conduct three themed study activities, including Principal Leadership in Informatization, Campus Culture Fostering and Professional Development of Teachers and Improvement of Students' Learning Ability. All the activities have come to an end in mid-June and the study results have been well summed up.

Fed by Yongzhong Wang

"Data Collection and Modelling in the Classroom" Project

Different modelling data has been collected and assessed, and discussions were made with Prof. Jinyu Kuang, Zhongqu Tech, Geospatial Smart and other companies to find solutions. As a result, a WeChat mini program is created for teachers in primary and middle schools to collect data.

Submitted by Zhong Ren

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

Introduction

At a Glance: Education Development in The Belt and Road Countries finds references in The Dakar Framework for Action (2000) and Education 2030: Framework for Action (2015), aiming to describe how the education in The Belt and Road countries looks like. The book covers seven aspects, involving different educational and multi-disciplinary topics: Early Childhood Care and Education, Universal Primary Education, Secondary and Post-secondary Education, Youth and Adult Illiteracy Elimination, Faculty Team Building, Gender Equality and Education Informatization. In-depth data analysis of the education policies and classic cases in different countries have been made, which hopefully may offer effective assistance to policymakers, researchers and educational practitioners.

Chapter 1	Introduction	The Belt and Road Initiative and Cultural Exchanges; Educational Issues in the Implementation of the Initiative; The International Education Background of the Initiative; Framework of the Study.
Chapter 2	Early Childhood Care and Education	Definition and Current Conditions; The Development and Problems of Early Care and Education in The Belt & Road Countries; Innovative Policies and Measures; Experiences and Enlighted Ideas.
Chapter 3	Universal Primary Education	The Background and Development of Universal Primary Education; Emphasis on the Gist of Policies; Reducing Primary Education Inequalities; Conclusions and Suggestions.
Chapter 4	Secondary and Post-secondary Education	Development of the Secondary and Post-secondary Education; Experiences and Enlighted Ideas in The Belt & Road Countries.
Chapter 5	Youth and Adult Illiteracy Elimination	Importance of Literacy; Progress in Illiteracy Elimination; Literacy Differences Among Marginalized Minorities; Decisive Factors in Literacy Education; Conclusions and Suggestions.
Chapter 6	Faculty Team Building	Overall Conditions; Professional Levels of the Teachers; Pre-vocational Teaching Education; Professional Development of Teachers in Work; Recruitment and Distribution of Teachers; Conclusions and Suggestions.
Chapter 7	Gender Equality in Education	Definition of Gender Parity and Gender Equality; Target and Progress; Measures and Results; Challenges and Problems.
Chapter 8	Education Informatization	Background; Progress in The Belt & Road Countries; Problems, Challenges and Policy Suggestions.
Chapter 9	Conclusion	Overview of the Education Development in The Belt & Road Countries; China's Undertaking in Education in The Belt & Road Initiative.

Exclusive Interview

Kaushal Kumar Bhagat

Post-doctoral Researcher in SLIBNU;
Ph.D. of Taiwan Normal University
Research Interest: Online Learning,
Augmented Reality (AR), Virtual
Reality (VR), etc.

Q **Hi, KK. You have spent two years in SLIBNU. Could you tell us something about your post-doctoral experience?**

A It is almost my last month in SLI but still I feel very fresh. I joined SLI as a post-doctoral researcher in September 2016. For me, it was a quite new system to work. I took some time to understand the working culture of this institute and after spending some time, it was very smooth. I have got very great colleagues who helped me a lot to settle down here. SLI is one of the leading research institutes in the field of educational technology in China. People are working here in different research areas like augmented reality, virtual reality, artificial intelligence, smart learning and many more. Therefore, it is an ideal to collaborate with the researcher from the different research domain. SLI is a joint research lab developed by Netdragon Websoft and Beijing Normal University. It is one of the good examples of industrial and institutional collaboration. SLI also provides the opportunity to be involved in the international collaboration projects, which is very important and helpful for your future prospects. You will meet renowned researchers like Prof. Mike Spector from the University of North Texas, Prof. Chee-Kit Looi from the Nayang Technological University, etc. You can interact with them, do some joint collaborations, and publish journal articles. Overall, my experience in SLI was great. I hope to collaborate with SLI in my future projects.

Q **You have published 6 SSCI papers during your post-doctoral period. Could you please share with us your experiences in publishing academic papers?**

A It is very important to have a good publication record in order to get a good job position in the future. Journal article writing is a simple technique you need to follow. In the beginning, you should follow some good authors and their way of writing and then develop your own writing skills. The most important for writing good articles is daily reading. Reading will help you to learn technical words, which is a very important component of an academic writing. Usually, a journal article comprises of introduction, literature review, method, results, discussion and conclusion. Most people fail to write a sound discussion and conclusion section. Try to elaborate this section with your

theoretical background and backed up your arguments with the literature review. After preparing your article, please follow the guidelines of the journal very carefully. You should check the aims and scopes of the journal before submission. Please follow APA and format of the journal very carefully. Never worry about the rejection of your article. My mantra: "Rejection is the part of success, so reject rejection."

In addition, I recommend everyone read the top 10 journals in educational technology.

1. Computers & Education
2. British Journal of Educational Technology
3. Journal of Educational Technology & Society
4. The internet and Higher Education
5. The international Review of Research in Open and Distributed Learning
6. Journal of Computer Assisted Learning
7. Educational Technology Research and Development
8. International Conference on Learning Analytics And Knowledge
9. Australasian Journal of Educational Technology
10. Distance Education

Kaushal Kumar Bhagat's SSCI Papers (2017-2018)

1. To use augmented reality or not in formative assessment: a comparative study

2. The Design and Development of Identification of Students' Misconceptions in Individualized Learning Environment (iSMILE) System

3. Formative Assessment in Complex Problem-Solving Domains: The Emerging Role of Assessment Technologies

4. Investigating the Interrelationships among conceptions of, approaches to, and self-efficacy inlearning science

5. A Cross-cultural Comparison on Students' Perceptions towards Online Learning

6. The Design, Implementation, and Evaluation of a Digital Interactive Globe System Integrated into an Earth Science Course

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, Elernity (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.
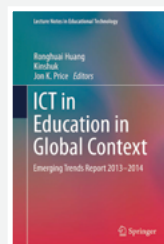
Springer's Journals

- 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

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.

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

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