ZJU Inaugurates International Campus

On October 21, 2017, ZJU’s International Campus in the city of Haining was officially put into use. The campus, a “1+X” model, where ZJU cooperates with several world-leading partner universities in faculty recruitment, student admissions, curriculum design, etc., is 125 km west of Shanghai and covers a land area of 80 hectares. The campus is 125 km west of Shanghai and covers a land area of 80 hectares. Credit: YE Zhiguo.

“The construction of International Campus is one of our major steps towards serving national and local economic development, promoting institutional capacity and accelerating the construction of a world-class university with Chinese characteristics in a new era,” said Professor SONG Yonghua, executive vice president of ZJU and dean of the International Campus.

Currently, the International Campus offers seven undergraduate programs, including Biomedical Sciences, Mechanical Engineering, China Study, as well as Innovation, Entrepreneurship & Global Leadership.

ZJU NEWSROOM

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ZJU Newsroom

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The campus is 125 km west of Shanghai and covers a land area of 80 hectares. Credit: YE Zhiguo.

“Collaboration across cultures will strongly accelerate the creative process of students and turn them into innovative talent able to serve society and tackle global challenges in the future.”

Philip T. Krein, fellow of U.S. National Academy of Engineering & executive dean of the ZJU-UIUC Institute

For more details, please visit: www.intl.zju.edu.cn

September

VP attends Chinese Entrepreneurs Convention

A ZJU delegation led by Vice President LUO Weidong attended the 14th World Chinese Entrepreneurs Convention on September 15-18 in Yangon, Myanmar. The theme of the convention was “An Opening Economy in Myanmar: A New Epoch in History”. During a keynote speech at the Belt & Road Initiative Forum, Professor LUO said: “ZJU is eager to provide a service platform for various circles so as to achieve a win-win situation via marketization and build a new path for cooperation and development.”

Under the new economic structure of the Association of Southeast Asian Nations and the “Belt & Road” Initiative, the convention serves as a platform for collecting new business ideas and exchanging views among Chinese entrepreneurs.

School of Management accredited by CEEMAN

ZJU’s School of Management has become the first CEEMAN member in China. At the 25th CEEMAN Annual Conference on September 21, the School was awarded International Quality Accreditation for its superb performances in key indicators.

So far, the School has obtained four international accreditations, including AACSB, AMBA, and EQUIS. CEEMAN is an international management development association established in 1993 with the aim of accelerating the growth in quality of management development in central and eastern Europe.

ZJU climbs in THE subject rankings

ZJU climbed several spots in two new subject rankings released by Times Higher Education on October 17, now ranking 45th internationally in Computer Science and 50th in Engineering & Technology. The newest Computer Science ranking brings ZJU up from the 50th slot in 2016. For Engineering & Technology, this is the first time that ZJU has appeared on the global top 50 list. In addition, ZJU also appears on Arts & Humanities and Business & Economics rankings (#101-125). The improved results can be considered as a recognition of university-wide commitment to teaching and research excellence as well as global engagement. Overall, The ranking shows that China’s higher education rise is not just limited to science and technology subjects.

ZJU 21st in QS Asia University Rankings

ZJU has moved up three spots to 21st in QS Asia University Rankings 2018, following Tsinghua (#6), Fudan (#7), and Peking (#9). ZJU ranks 4th in China, surpassing Shanghai Jiao Tong University, which remains in the same place (#22) as last year. A total of 23 Chinese universities are listed in the top 100. ZJU will continue to improve its performances particularly in faculty-student ratio, staff with PhD degrees, and international student enrollment.

October

President WU travels to Canada and US

ZJU President WU Zhaozhui visited top universities in Canada and the United States on October 8-12. During the trip, he met with senior leaders at The University of Toronto, Yale University and Harvard University to discuss strengthening collaboration. Between ZJU and The University of Toronto, an institutional MoU was renewed and two new agreements were signed to initiate cooperation in dentistry and education studies.

ZJU also signed an agreement with Yale University in public health and another agreement with Harvard University in big data. In addition to leadership meetings, WU was pleased to visit the John King Fairbank Center for Chinese Studies, Harvard—Yenching Institute and Harvard Art Museums. During the trip, he stopped in San Francisco to visit Tsung-Dao Lee, ZJU alumnus and Nobel laureate in Physics (1957).
**Alumnus wins Australian Prime Minister’s Prize**

YANG Jian, who received his bachelor’s degree in biological science and a PhD in statistical genetics from ZJU, was awarded the Australian Prime Minister’s Frank Fenner Prize for Life Scientist of the Year. The award recognizes YANG’s pioneering work in helping to unravel the complexity of the human genome and solve the “missing heritability paradox.” His work enables researchers to determine the genetic factors behind complex diseases, opening the way to new drugs and better genomic risk prediction. YANG is currently a professor of statistical genomics at Institute for Genomic Risk Prediction. YANG is recognized YANG’s pioneering work in helping to unravel the complexity of the human genome and solve the “missing heritability paradox.” His work enables researchers to determine the genetic factors behind complex diseases, opening the way to new drugs and better genomic risk prediction. YANG is currently a professor of statistical genomics at Institute for Genomic Risk Prediction.

**ZJU and Stanford hold materials symposium**

The 2017 ZJU-Stanford Symposium on Materials Science was held in Hangzhou on October 11-12, attracting around 200 faculty members and students to explore the latest research findings on materials science. Stanford professors Paul McIntyre, Friedrich Prinz, and WANG Shaxiang delivered presentations on “Applications of Atomic Layer Deposition in Solar Fuel Synthesis”, “Low Temperature and High Temperature Fuel Cells”, and “Silicon Valley Innovation and Early Cancer Detection” respectively. The forum also touched upon key issues such as the funding situation of energy materials and the innovation culture in US and China. ZJU’s School of Materials Science and Engineering signed a MoU with the Department of Materials Science and Engineering at Stanford in June 2017, ushering in a formal partnership.

**ZJU and Columbia hold biomedicine forum**

The first joint biomedicine forum between ZJU and Columbia University was held in Hangzhou on October 24-25. The event was co-organized by ZJU’s Institute of Translational Medicine (ITM) and the Wu Family China Center for Health Initiatives at Columbia. The forum was co-chaired by Prof. SUN Yi, dean of ZJU-ITM, and Dr. Anke Nolting, director of the Wu Family China Center and associate dean of Columbia University Medical Center. In addition to academic discussions, the forum also featured an awarding ceremony honoring Dr. CHEN Zhu, a world-renowned hematologist and former health minister of China. He was presented with the second “Dr. Clyde and Helen Wu Award for International Understanding”. The success of this forum has laid a solid foundation for the second one, which is set to take place at Columbia University in November 2018. The two sides will then specify concrete responsibilities in cooperative projects and search for new partnerships.

**George Church named ZJU Honorary Professor**

George Church, an eminent professor of genetics at Harvard Medical School, was awarded the title of Honorary Professor of Zhejiang University on October 30. Church delivered a keynote speech at the awarding ceremony at ZJU, introducing several significant research findings on genome sequencing, genome editing and synthetic biology. Church developed the world’s first direct genomic sequencing method and helped initiate the Human Genome Project in 1984. In collaboration with Church’s team, researchers at ZJU and Pudan University announced a plan in October 2017 to launch the Personal Genome Project in China. The project is the latest addition, being the first in Asia, to the existing Global Network of Personal Genome Projects.

**November 1**

**13 ZJU scientists among world’s most highly cited**

Thirteen ZJU scientists are among 3,000 individuals included on the annual Highly Cited Researchers List compiled by Clarivate Analytics, which was previously part of Thomson Reuters. The 13 researchers come from the School of Materials Science and Engineering, College of Control Science and Engineering, College of Agriculture and Biotechnology, and College of Energy Engineering. ZJU has doubled its entries from six scientists in 2016 and, in China, is next only to Chinese Academy of Sciences and Tsinghua University. The listed scientists have distinguished themselves by publishing a high number of papers that rank in the top 1% most-cited in their respective fields over a recent 11-year period. The list covers 21 academic fields, ranging from business to engineering.

**ZJU world leading in eight disciplines**

The Essential Science Indicators (ESI) database reveals that ZJU ranks 4th in China and 130th globally in terms of ESI papers. Among the total 22 research fields, 18 disciplines of ZJU have entered the global top 1%. Eight disciplines have entered the top 0.1% and five are among the top 50. The results have made ZJU a front-runner among universities on the Chinese mainland. Notably, ZJU’s Computer Science has made a breakthrough, ranking 30th in the world. The eight world-leading disciplines are agricultural sciences, chemistry, clinical medicine, computer science, engineering, materials sciences, pharmacology & toxicology, and plant & animal science.

**Adaptive shoes rivet attention in Dubai**

Visitors were amazed by a pair of magic shoes on display at the Global Grad Show held in Dubai on November 13-18. During the Dubai Design Week, the “ADAP-SHOE” designed by ZJU post-graduates attracted visitors’ attention. The adaptive shoes are a footwear collection based on the healing properties of acupressure and reflexology, transforming the act of walking into an experience of physical therapy. The shoe’s silicon insole contains differently sized bubbles that correspond to the foot’s four primary points of acupressure. This pressure stimulates zones elsewhere on the user’s body, including the chest, the diaphragm, the digestive system and the pelvis. With an ancillary mobile application, the user can give full play to the adaptability of the shoe. The Global Grad Show exhibits the most innovative projects from the world’s leading design schools.

**Strengthening research partnership in Indonesia**

A ZJU delegation led by Executive Vice President SONG Yonghua attended the China-Indonesia Science, Technology and Innovation Cooperation Forum held in Jakarta on November 27. ZJU and Indonesia’s Agency for the Assessment and Application of Technology (BPPT) unveiled a formal research partnership by establishing the China-Indonesia Joint Labotory on Biotecnology. The joint lab aims to develop sustainable research collaborations by utilizing biological resources from both countries and promote the benefits of biotechnological innovation. On ZJU’s side, the lab will be coordinated by the College of Pharmaceutical Sciences, with contributions from chemistry, agriculture, and life sciences faculty. The inauguration was witnessed by top-level officials of both countries: Chinese Vice Premier LIU Yandong; Puan Maharani, Indonesian Coordinating Minister of Human Development and Cultural Affairs.
Four ZJU professors newly elected as academicians

The Chinese Academy of Engineering (CAE) and the Chinese Academy of Sciences (CAS) have unveiled the list of newly elected members in 2017. Four professors from Zhejiang University have won this honorable title thanks to their remarkable research achievements. New CAE members are: ZHU Lizhong, professor at the College of Environmental and Resource Sciences; Donald Grierson, professor at the College of Agriculture and Biotechnology. New CAS members are; WU Zhaohui, president of ZJU and professor at the College of Computer Science and Technology; YANG Deren, professor at the School of Materials Science and Engineering. According to third-party statistics, a total of 11 ZJU professors have been elected as members of the Academies over the past decade, following Tsinghua University (25) on the ranking. Meanwhile, among the 128 academicians newly elected in 2017, nine received their bachelor’s degrees from ZJU and professor at the College of Computer Science and Technology; YANG Deren, professor at the School of Materials Science and Engineering.

Collaboration brings Buddhist titles to phone

International collaborations between ZJU’s Buddhist Resource and Research Center and the Buddhist Digital Resource Center (BDRC) in Massachusetts, USA have enabled mobile access to thousands of Buddhist titles. BDRC Lib, a mobile application jointly developed by ZJU and BDRC, is now available for download on the App Store. The application provides access to the complete BDRC Library operating online. This transnational cooperation aims to make use of the transformative power of technology to advance the preservation and accessibility of Buddhist literature. BDRC Lib is a nonprofit organization dedicated to seeking out, preserving, organizing and disseminating Buddhist literature. Headed by Professor HE Huahuan, the Buddhist Resource and Research Center at Zhejiang University was established in March 2016. The center is China’s first institute specializing in the preservation, synthesis and research of Buddhist resources. It serves as an operational hub for BDRC in Hangzhou, linking BDRC to the many existing Buddhist institutions and communities in and around the city.

ZJU rings in 2018 with a festival for students

The fourth Student Festival of Zhejiang University kicked off with a spectacular parade on December 31, 2017. In addition to a giant parade consisting of 44 floats which represented various colleges and departments, the festival featured an impressive performance of dragon & lion dancing and a remarkable display of cutting-edge technologies. The day culminated with an exciting countdown to 2018. On the New Year’s Eve, a five-hour gala performance was held at ZJU’s Zijingang Campus. Senior leaderships of the University came onto the stage and embraced the new year together with students and staff members. The theme of the fourth Student Festival was “Health, Happiness, Growth and Dream”. As an ingenious tradition of ZJU, the student festival aims at fostering a vibrant campus culture and ensures that students connect themselves across disciplines and develop solidarity, creativity and innovation skills.

ZJU Hosts China-New Zealand Innovation Conference

The first China-New Zealand Innovation and Commercialization Conference, co-organized by ZJU and the University of Auckland, was held in Hangzhou on December 12-14. The conference featured an impressive line-up of keynote speakers, including nine fellows of the Royal Society of New Zealand, and opinion leaders from various facets of the innovation ecosystem. The University of Auckland and ZJU showcased their internationally recognized expertise in five key areas, namely digital health, food for health, aluminum smelting technology and innovation, drug discovery and development, and advanced materials and manufacturing. With the theme of “Ideas to Life,” the conference aimed to build a bridge connecting China’s innovation-driven development strategy with that of New Zealand.

In the Media

Chinese college offers traditional lion and dragon dance courses

Traditional Chinese lion and dragon dance has become popular at Zhejiang University. JIANG Kai, the sole teacher, said the courses he offers at the college are actually competitive lion and dragon dance, a style which can usually be seen as a professional sports event. Though JIANG was concerned that not many students would apply for his class, the class has exceeded his expectations. A total of 170 students, both male and female, from various majors have applied for the course. Many of his students now have completely thrown themselves into the class, and some even post their daily study on social media. Due to the increasing concern of promoting the Chinese traditions, it is expected that more and more Chinese universities will make the lion and dragon dance classes available to their students.

Chinese researchers find ‘secret weapon’ of weed

Scientists from Zhejiang Province have used genomic analysis to uncover how weeds suppress the growth of other plants. The research, headed by Professor PAN Longjiang with the College of Agriculture and Biotechnology at Zhejiang University, was published in Nature Communications. From a species of weed in the paddy field, they have in the genome identified three copies of gene clusters involved in production of an allelochemical used against rice and one copy of a phytoalexin gene cluster used against blast disease. Professor PAN also noted that allelopathy could be an alternative weed management strategy with a lower environmental cost.

Chinese uni develops soft-body robotic manta ray

A soft-bodied robot that can swim like a manta ray has been created at China’s Zhejiang University. The robots that can swim as fast as six centimeters per second have been developed for information gathering in lakes and oceans. (CGTN)
Front Runners

A- Award Winner
The 45th International Exhibition of Inventions in Geneva.

B- Undergraduate Winner
Global Grand Challenges Summit—Student Poster Competition.

C- Second Straight Win
The International Aerial Robotics Competition (Asia-Pacific Venue).

D- National Champion
The third China College Students’ Internet Plus Innovation and Entrepreneurship Competition.

Global Engagement

E- During the ZJU-UChicago Academic Week in April, the enriching dialogues turned out to be, as students said, “wonderful to eat, they need.”

A New Journey

F- The ZJU-Stanford Academic Week in June saw the birth of a joint health lab between the two universities.

G- ZJU President WU Zhisheng visited top universities in North America in October.

Research and Service

H- Urban landmarks, including the Empire State Building in New York, were glowing with ZJU blue.

I- ZJU hosted the University Presidents Summit in May.

J- Research findings by ZJU scientists appeared on Nature, Science and Cell, advancing our knowledge of immunology, cell biology, and neurobiology, etc.

Grand festive celebrations were held at the 120th anniversary of ZJU.

Year in Review

A look back at ZJU highlights in 2017

Higher Global Rankings

#87
QS World University Rankings 2018

#38
QS Graduate Employment Rankings 2018

#51-60
THE World University Rankings 2017

#101-125
THE World University Rankings 2018 (Arts & Humanities)
ZJU solutions
A special database focusing on Chinese households was officially released at Zhejiang University in December 2017. This is China’s first family database which integrates offline sample survey data, Internet-based big data and statistics from governments.

With this comprehensive database, the University aims to set a baseline for China Study, enabling the world to understand the country better.

What we do
From 2011 to 2017, researchers from ZJU’s Social Science Experiment Center (SSEC) and the Research Center for Social Survey conducted four rounds of panel survey. They collected numerous variables of tens of thousands of urban and rural families in China (around 6000 variables per family) and further enriched the data through an inter-university sharing mechanism.

The database includes information of the basic household structure, employment, income, expenditure, land use, migration, social security, education, etc.

“The database is primarily based on data from offline surveys, which we hope will truly support social studies and decision making”, said ZJU Vice President LUO Weidong.

According to YU Yangang, deputy director of SSEC, the entire survey process was computer-aided and strictly monitored by faculty and senior researchers to ensure data quality.

Implications
The database will provide first-hand and down-to-earth information for humanities and social science researchers as well as policy makers.

In June 2016, ZJU released the results of China Rural Household Panel Survey (CRHPS), which already utilized the survey data collected by SSEC in 2015 and the previous years. The bluebook reveals paradigms and problems in China’s rural development and serves as an invaluable reference for policy formulation.

Through continuous matching, aggregation and expansion of statistics, the database will continue to upgrade its scale and widen the range of applications. “It is expected to help China to take the lead in family research”, said GAN Li, director of SSEC.

China is capturing increasing attention globally. However, due to the lack of systematic survey microdata, the objective reality of China’s microcosmic society remains blurred, and that has kept scholars both at home and abroad from seeing the “whole elephant”.

The database is accessible for free to researchers worldwide. Interested scholars and students are to submit a research proposal to rwskdata@zju.edu.cn for further review.

General enquiries should be directed to zdmd@zju.edu.cn.
Speech recognition assistants such as Siri are increasingly popular. Allowing devices to be controlled by voice gives hackers a way of targeting these devices. Thus, it raises an important question: is it possible to activate these assistants with hidden voice commands that are incomprehensible to humans?

**ZJU solutions**

Professor Xu Wenyuan and her colleagues from the Ubiquitous System Security Lab (USS Lab) at ZJU’s College of Electrical Engineering have designed a type of ultrasonic messages called “DolphinAttack”, which is completely inaudible to the human ear. As expected, DolphinAttack could sneak into the phone and manipulate its applications. In response, the team proposed hardware and software defense solutions to counter the potential threat.

**What we do**

DolphinAttack can modulate voice commands on ultrasonic carriers (e.g., f > 20 kHz) to achieve inaudibility. By leveraging the nonlinearity of the microphone circuits, the modulated low frequency audio commands can be successfully demodulated, recovered, and more importantly interpreted by the speech recognition systems.

The research team validated DolphinAttack on popular speech recognition systems, including Siri, Google Now, Samsung S Voice, Huawei, HiVoice, Cortana and Alexa. By injecting a sequence of inaudible voice commands, they observed a few proof-of-concept attacks: activating Siri to initiate a FaceTime call on iPhone, activating Google Now to switch the phone to the airplane mode, and even manipulating the navigation system in an Audi automobile.

The team pointed out the feasibility to detect DolphinAttack by classifying the audios using supported vector machine. They suggested re-designing voice controllable systems to be resistant to inaudible voice command attacks. Specifically, they proposed two hardware-based defense strategies, namely microphone enhancement and baseband cancellation. They said software-based defense strategies, such as using a machine learning based classifier, can also be used to detect DolphinAttack.

**Implications**

One way to mitigate the threat is to redesign microphones to reduce their sensitivity to ultrasonic carrier waves. However, this does not help people who already own a phone that is at risk. In this sense, a software-based solution is more practical. As ultrasonic commands are different from natural voice in several ways, it might be meaningful to develop a system which can spot ultrasonic commands and deliver it to millions of phone users.

The related paper titled “Dolphin Attack: Inaudible Voice Commands” won the Best Paper Award at the 2017 ACM Conference on Computer and Communications Security held on October 30 - November 3 in Dallas, USA. This is the first time that a Chinese higher education institution has clinched the award. ACM is the world’s largest educational and scientific computer society.
ZJU findings

Professor CHEN Xin and his colleagues at ZJU’s College of Life Sciences examined how traditional farmers preserve the genetic diversity of a local carp, which is referred to as “paddy field carp” (PF-carp), in a 1,200-year-old rice-fish co-culture system in Zhejiang Province. Their molecular and morphological analysis showed that the PF-carp has changed into a distinct local population with higher genetic diversity and diverse color types.

What we do

This traditional rice–fish co-culture system is considered as a sustainable form of agriculture that provides rice grain and fish for local farmers. The Qingtian rice-fish system in southern Zhejiang Province has been listed as Globally Important Agricultural Heritage Systems (GIAHS) by the UN Food and Agriculture Organization. ZJU researchers quantified the effects of traditional farming activities on the genetic diversity of the PF-carp in the Qingtian system. According to their research, thousands of small farmer households interdependently obtained fry and parental carps for their own rice–fish production, resulting in a high gene flow and large numbers of parent carps distributing in a mosaic pattern in the region.

Landscape genetic analysis indicated that farmers’ connectivity was one of the major factors that shaped this genetic pattern. Population viability analysis further revealed that the numbers of these interconnected small farmer households and their connection intensity affect the carps’ inherent genetic diversity.

Implications

Traditional farming secures the genetic diversity of PF-carp and its viability over generations through interdependently incubating and mixed-culturing practices within the rice–fish system. Thus, the locally adapted ways of traditional farmers can become a “hot spot” for genetic diversity conservation in agriculture.
Artificial Intelligence. dent and reaching the heights of men, currently semi-independence…both are envisioned by tals to “smart” entrepreneur-things. From “intelligent” hosp-thing field trip on the Internet of shop assistants while digging some troubled looks from the well, just in case. But we get less society. a while to get used to the cash-arriving in the city, but it took us Alibaba services long before it, the Silicone City of China. We the electronic hub, or as we call come to realize that Hangzhou is students, including me, have cloud, right in Hangzhou. 

Smart entrepreneurship

Our second stop was “WeLian”, an online space for modern investors and entrepreneurs. What WeLian provides is information, connectivity, and access.

In the age of technology, information means power and money. Potential investors don’t need to go to gatherings or meetings to find the next Google or WeChat. They just need to download the app and go through the database of startups which the AI will categorize according to the investors’ preferences.

WeLian is also a social platform for investors and start-ups. A young company created by ZJU alumni (Beta 31.10.2014), WeLian already boasts a gigantic pool of investors and startups. E-commerce is the leading category. WeLian has surpassed traditional invest-ment methods in Shanghai and Hangzhou. Beijing is the third on the list but other cities are catch-ing up.

Smart hospital

For a smart hospital, it was a little hard to imagine robots instead of doctors, but what we found there was more exciting than any robot. We were greeted by a smiling nurse, a human, who led us to the second floor. It was a clean, modern hospital with nothing out of place. The rooms were ordinary, but, to our delight, the usual hospital smell and scary tools were missing.

A hospital without medicine and tools? Were we in the right place? Yes! We were at one of the clinics of WeDoctor Group. What started as philanthropy has become one of the most exciting developments in the medical sphere. The Group now provides TeleMedicine, virtual care from professional doctors, connectivi-ty, and personalized care.

Hospitals are crowded, sometimes not very hygienic, while doctors are busy and don’t even recognize their patients. Let’s be fair, nobody likes to go to hospital. With the help of WeDoctor, you don’t need to go anymore. First, you go to one of the clinics, get a full check-up, get your info saved in a file and a doctor will be assigned to you. For those who live near hospitals or at schools where nurses can be easily contacted, this may not sound like a revelation. But for those in rural areas, and those who need to “trudge” to get to the nearest hospital only to be told to wait in line – this could be a salvation.

This isn’t even the most exciting part. In most cases, you wouldn’t even need to deal with a doctor. Download the app, sign in, tell the AI your symptoms, and you will be told what medicine you need and even be written a prescription. You don’t trust the AI? Too good to be true? It’s totally understandable. Perhaps a trial use would be helpful.

So how can we build trust towards smart hospitals was my question for our guide. We need to start from patient satisfaction. And one way to build it is through referrals and follow-ups.

The smart AI tracks all the activities of investors. Just with a click of your finger, you can see how interested a certain inves-tor is in your project and which investor best fits your aspira-tions.

Just as an octopus uses its intelligent brain to coordinate numerous tentacles, WeLian’s AI is able to coordi-nate numerous start-ups and investors, contributing to a better business envi-ronment.

In recent years, tech-nology has entered all aspects of our life. It is becoming increasingly difficult to live without Alipay or GPS. But still, our mobile phones and comput-ers are not very reliable and it is too early to put all responsibili-ties on AI. In the case of hospi-tals, at any moment the network may be interrupted and the computer freeze. Besides, the elderly may not be able to use technology as young people do.

We still have a long way to go to become a fully automated society with AI connectivity in all fields, but the foundation seems solid. We are on the way to building a better future for the next generation and as Mr. Putin, Elon Musk, and many others have mentioned, AI is the next global race. The winners will be the leaders of the future world. How will you be part of that world?
My experience in ever-changing China

By Mark Greeven for China Daily

I still remember that in my first years here, I had to get loads of cash from my foreign bank card with undersupplied ATMs. Multiple trips to the not-so-friendly bank attendants and in the end knowing the location of all ATMs and bank offices in a 2 mile radius, made me long for the efficient Dutch financial services. No longer. Nowadays life in China is cashless.

My phone with Alipay and WeChat Pay is sufficient for me to buy groceries, book a hotel, rent a bike, watch a movie or manage my finances, among many other things. In just a few years, I dare to say in the last 5 years, China’s mobile payment revolution has changed the way I consume in China. Going back to the Netherlands is like stepping back in time, where QR codes and mobile payments are replaced by bank cards and cash.

A while back, a student applied to become my teaching assistant. He didn’t use a CV or cover letter. Instead, he made a website — extremely professionally done I might add — introducing him, his passions and projects. All visual and focused on how he was different than the rest. He was not asking for a salary or job description, but instead wanted to know why I became a professor, my ambitions and how I work with students.

Another example I remember is from my classes on cross-cultural management in Zhejiang University. While initially students were hesitant to share opinions, nowadays these classes are as colorful as a TV show where students no longer make slide-show presentations but perform their assignments, as in theater.

And of course, the hit show this summer was not a TV-produced soap opera on China’s history but the Tencent-produced “Rap of China” where youngsters vividly express their perspectives on the new China. And no, it is not a copy of some American show but a new type of Chinese rap. Mixing American and Asian styles, it even gave rise to popular, unique dialects from Sichuan and Chongqing.

The embrace of digital technology and the rise of a new generation are just two experiences of change I have from my time in China. As a longtime foreign guest, in China I have not only witnessed change but become an active participant. This is the beauty of China: everything is possible. Change is embraced and challenges are opportunities. Coming from a city of “doers”, I appreciate this mindset. Maybe thriving on uncertainty is the biggest lesson China has taught me.
UPCOMING EVENTS

International Workshop on Blue Carbon
- January 25-27, 2018
- Zhoushan Campus
- Ocean College, Zhejiang University; the Third Institute of Oceanography, State Oceanic Administration.

Forum on the Development of World-class Discipline in Education
- March 17, 2018
- Tianjiabing Academy, Xixi Campus
- College of Education, Zhejiang University

International Symposium of Trans-lingual and Trans-culture Communication Study
- March 22-23, 2018
- Qizhen Hotel, Zijingang Campus
- College of Media and International Culture, Zhejiang University; Centre for Contemporary Chinese Studies, Durham University; School of Advanced Study, University of London

Hangzhou International Stellarator Workshop
- March 26-28, 2018
- Luitong Hotel, Hangzhou
- Department of Physics, Zhejiang University

Collecting and Cultivating: An International Forum for the Concept and Practice of the Teaching Museum
- March 26-28, 2018
- Alumni Building, Zijingang Campus
- Zhejiang University Museum of Art and Archaeology

The 3rd Sino-Portugal Advanced Materials Innovation Forum
- April 8-12, 2018
- to be confirmed
- Department of Polymer Science and Engineering, Zhejiang University; Fundação para a Ciência e Tecnologia

Symposium on Frontiers of Epigenetics Research
- April 14-16, 2018
- Zijingang Campus
- Life Sciences Institute, Zhejiang University; Zhejiang Provincial Natural Science Foundation

The Qianjiang International Conference of Adolescent Medicine
- April 20-21, 2018
- to be confirmed
- School of Medicine, Zhejiang University; Children’s Hospital Los Angeles

The International Seminar on “Big Data + Law” Frontiers
- April 20-22, 2018
- to be confirmed
- Guanghua Law School, Zhejiang University; Yale Law School Paul Tsai China Center

International Symposium on Ligaments & Tendons-XVII and Musculoskeletal Regeneration Research Network Symposium
- April 20-22, 2018
- Xixi Hotel, Hangzhou
- School of Medicine, Zhejiang University

The 3rd Sino-Portugal Advanced Materials Innovation Forum
- April 20-23, 2018
- Grand Parkray Hangzhou
- School of Medicine, Zhejiang University

The 9th International Conference on the New Haven School
- April 22-24, 2018
- to be confirmed
- Guanghua Law School, Zhejiang University; Yale University

International West Lake Symposium on Plasma Simulation
- May 3-5, 2018
- to be confirmed
- Department of Physics, Zhejiang University

Inter-University Symposium on Asian Megacities
- May 4-7, 2018
- to be confirmed
- College of Civil Engineering and Architecture, Zhejiang University

The 2nd International Symposium on Pediatric Gastrointestinal and Nutrition
- May 11-13, 2018
- to be confirmed
- The Children’s Hospital, Zhejiang University School of Medicine
- School of Medicine, Zhejiang University

Asia Pacific Regional ISSX Meeting
- May 11-14, 2018
- Mong Man Wai Building, Zijingang Campus
- School of Pharmaceutical Sciences, Zhejiang University

Qianjiang International Forum of Pediatric Rheumatology and Immunology
- April 20-21, 2018
- Grand Parkray Hangzhou
- School of Medicine, Zhejiang University

The 9th International Conference on the New Haven School
- April 22-24, 2018
- to be confirmed
- Guanghua Law School, Zhejiang University; Yale University

International West Lake Symposium on Plasma Simulation
- May 3-5, 2018
- to be confirmed
- Department of Physics, Zhejiang University

The 2nd International Symposium on Pediatric Lymphohistiocytic Diseases
- May 17-20, 2018
- SORL Hotel, Hangzhou
- School of Medicine, Zhejiang University; Chinese Pediatric Society, Chinese Medicine Association

Hangzhou International Conference on Frontiers of Data Science
- May 19-21, 2018
- Narada Grand Hotel
- School of Mathematical Science, Zhejiang University

International Symposium on Quantum Computing and Quantum Optics
- May 23-25, 2018
- Shaw Run Run Science Building
- Department of Physics, Zhejiang University

The 3rd International Conference on Microstructure and Properties of Materials
- May 27-30, 2018
- to be confirmed
- School of Materials Science and Engineering, Zhejiang University

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