

# International Innovation Center (IIC) at Hankou University Actionable Research & Development for Large Scale Implementation

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**Abstract:** The International Innovation Center (IIC) is a research and development center at Hankou University. It consists of several institutes and is led by its President, Academician Professor Peter Sachsenmeier. It has an ambitious multi-year plan for the integration of teaching, research and industry. The portfolio of IIC includes all the technologies under consideration for Made in China 2025. IIC intends to become a center of international significance and it has a long-term vision. Current challenges under discussion include the financing of its many projects, the support for industrial parks, the development of dual education including the upgrading of engineering skills, the attraction of German, other European and international companies as research and commercial partners. Beyond the current focus area in Made in China 2025 (e. g. New Energy vehicles, Bio-engineering, Information Technology, Intelligent Finance, Agricultural automation, Aviation and Drones, Robotics, New materials, Alternative energies, Big Data and Artificial Intelligence, Intelligent Manufacturing, Medical Devices and E-Health, Innovative Business Models, Belt & Road technologies), IIC will pursue Intelligent Agriculture and rural renewal, a “New Information Technology” for China and Belt & Road, Technical and Biological Sciences, Dual Education, as well as Cultural projects. IIC has established a Project Management Office (PMO) which, as an innovation for China, is staffed by Student Assistants. The PMO coordinates over 100 current projects. The President of IIC acts as Industrial and Talent Ambassador for several Hubei municipalities. IIC actively promotes collaboration among the local universities and will establish joint projects them. The international research and development network of IIC numbers over 30 elite institutions and distinguished research professors.

**Keywords:** Research and Development; Integration of teaching, research and industries; technology portfolio; Engineering skills, New IT; Dual Education; Made in China 2025; Belt & Road

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The International Innovation Center (IIC)  
The International Innovation Center at Hankou University is a research and development center at Hankou University. It consists of several institutes and has strong

international relationships with a substantial number of research professors and institutions at the highest academic levels. IIC is also linked with several municipalities; IIC's president acts as their industrial and talent ambassador.

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Founded in 2014, IIC stands for the integration of teaching, research and industry. IIC works within the framework of China's industrialization policy but goes well beyond current 5-year plans and, in the best academic tradition, has a self-designed outlook and roadmap for the future beyond 2025.

(from left to right) Academicians Martin Schottenloher Munich University and IIC Distinguished Research Professor, Dieter Spath President German National Academy for Science and Engineering, Peter Sachsenmeier President IIC at Hankou University (2017, Berlin, Germany)

### Technology Scope and Organizational Aspect

The president, Academician Prof. Peter Sachsenmeier, is a member of the prestigious National Academy of Science and Engineering of the Federal Republic of Germany. His Academy coined the expression "Industry 4.0".

Prof Peter Sachsenmeier is representative of the new innovation driven development strategy in which science, technologies and industries are brought together. This has also been the basis of the success of German industry in the past.

Here is the original technology portfolio with which we started off three years ago

- Automotive / mobility / New energy vehicles
- Bio-engineering (Life Sciences)
- Information Technology
- Intelligent Finance (Fintech)
- Agricultural Engineering and Automation
- Aviation, Drones,
- Robotics
- New materials
- Alternative Energies, including battery technology
- Big data, pattern recognition, artificial intelligence
- industry automation, intelligent manufacturing

- Medical devices and e-health
- Alternative and innovative business models
- Belt and Road technologies and projects.

We believe that documentation of best practices and massive training for government, companies and managers are necessary to implement and accelerate Make in China 2025. For this purpose, we designed a systematic training program.

We maintain a European industrial and Research network and can establish new partnerships. Our European office helps to identify advanced technologies and companies.

We act as a go between and will want to be part of the network.

We have at our disposal European, especially German, experts of the highest caliber, including academicians and industrial engineers. We also have many other international contacts, in Europe, Israel, Africa, Canada, and Australia.

We regularly organize meetings and international conferences, for example in November 2017, "Advanced Research, Technologies and Projects on the Silk Road". We participate in international research work, are a member of the Sino-German Innovation Platform and take an active role in international research work. We publish regularly.

We are interested in helping to establish new industrial clusters and can demonstrate examples of our experience and competence. We can also help you in evaluating and revitalizing industrial parks. We are particularly interested in making possible new innovative, intelligent, high-value, sustainable and green projects.

China likes its collaborative projects to follow a 2+2 pattern, meaning both a research and a commercial entity work together at both ends of (bilateral) research partnership. In readiness for such a research and development pattern, we have founded Wuhan Dehan High-tech Co Ltd of which Professor Peter Sachsenmeier is the CEO.

## Issues Under Discussion

We have several issues which we are currently trying to resolve. We have solutions, but we are not perfect. So please feel free to comment and help us achieve our ambitious goals!!

## Financing of Projects

The numerous research projects of IIC require a high level of funding. We remain ambitious and continue to build towards an institution with a total of 800 research and development staff and a budget of roughly 400 Million RMB annually (in 2025), making us the first research institution of international significance to emerge from a private university. A similar center in Germany took 30 years to reach such heights, we can do it in the next seven years until 2025!

In view of the significant role of the Chinese government in the financing of research and development, we are considering the establishment of satellite IICs in our major cooperation locations, be they districts, cities, economic development zones or collaboration partners such as foreign national academies. These satellite IICs will be majority owned by IIC but will have a government share so that we may benefit from government funding.

We will also intensify our contacts with companies, conclude long term cooperation contracts and obtain additional income from such funds.

Similarly, we will cooperate with government and private venture funds.

## Support for Industrial Parks

Industrial Parks have been a Chinese success story, yet they face new challenges. In particular, it is no longer enough to provide subsidies and buildings. Companies and talented

individuals need much more extensive support to be attracted, remain and become successful. Much more emphasis must be given to provide initial business support including extensive business services and to forming clusters of industries. Chinese companies must be encouraged to take a strong role in the parks, and our support must include business development and partnerships along belt and road. We have developed ideas for such business development and will make sure that any venture we support stands out from the crowd and becomes a top park, and its companies and talents become successful. Support for industrial parks is one of our income streams.

The planned Hankou University Sino-German Park and the ideas of Dr Aiping LUO will have our fullest support. We have already collected examples, data and ideas for this park to become even more successful more quickly, and very competitive. As Wuhan Ambassador, academician Peter Sachsenmeier will help to establish a Government - Hankou University contract so that the University Park can act like other industrial parks in China, but with additional advantages. We are continuing to make contacts for the park and to identify companies and talent for it.

In view of the intended scope of IIC, it makes sense to look at other industrial parks and development in the entire Hubei Province. Several municipalities have already appointed academician Professor Peter Sachsenmeier as their industrial and / or talent ambassador. Ecological considerations will be more pressing in the future. Urban rural integration will become more important. If we succeed in establishing one or more clusters (e. g., medical valley combining instruments production with intelligent manufacturing and internet plus), these will be present in several parks while working closely together; we will support this collaboration with research, technologies and above all with enabling platforms run by IIC.

Dual Education at School and University Level, new Engineering Skills for Intelligent Manufacturing

Much is being talked about the dual education system (particularly of Germany) and its potential benefits for China. We are convinced that for Made in China 2025 to succeed, we need to elevate skill levels across many disciplines, update and transform engineering skills at all levels, not only at universities but also at schools and technical colleges, to enable intelligent manufacturing and Made in China 2025. We will build a dual education institute and build dual education demonstration courses, inside and outside Hankou University. The IIC's dual education institute will disseminate information and provide training. Ultimately, the success of industries in Hubei depends on having the trained personnel to make Made in China 2025 a reality.

We also need to prepare beyond 2025. Starting now, we must emphasize science a lot more. We will build and run facilities for practical experimentation, including a lab for demonstration purposes and for use by several local universities. Many challenges of Made in China 2025 can only be met by pooling resources and talents for greater impact.

Our research and development plans include numerous research projects in these areas.

New approaches to teaching and learning also require new teaching methods. IIC will bring the most advanced methods to Wuhan.

Settling German, Other European and International Companies

"While the prospects are bright, the road has twists and turns." We already have a large French companies presence in Wuhan. When more (German and other) companies come here, we will engage in supporting their presence in several ways: establish a national school (for example, a German school), establish language programmes for Chinese students to learn technical expressions (for example, a German

technology language teacher at IIC), provide services for them which in their home countries they are used to sourcing from universities, and jointly build education programmes to meet their needs.

We will do the same for companies from all countries. In preparation, we are in talks German government ministries (the school, the language teacher, projects) and will participate in international business industrial fairs to create interest.

### **Intelligent Agriculture**

Unnoticed by the general population, agriculture the world over has become an industry with all the hallmarks of Industry 4.0. Intelligent food production, water research, drought and flooding prevention, the use of drones, robots, sensors, advanced machinery and internet platforms are all associated with this New Agriculture, as is the upgrading of the rural areas.

We have several pathbreaking projects in New Agriculture in our plan.

### **The New IT**

Chinese companies have made great headways in customer centered information and communication technologies. Yet, integrated ITC platforms for large commercial company integration, smart city information technologies and very large systems technologies still must be bought in. Artificial intelligence, biosciences, megacities governance, big data will all develop much faster in China than elsewhere; time for a New Information Technology for the Chinese and Belt and Road markets. IIC will play a role in establishing this New IT.

One of our Distinguished Research professors, Eric Scherer from ETH Zurich Switzerland, runs a very well-regarded IT analyst company and will be an ideal collaboration partner with deep insights into the

strategies of international IT companies and the requirements for digital transformation.

### **Technical and Biological Sciences**

To stay in step with national development, we must accelerate all our programmes and projects in the technical sciences.

However, to stay relevant in the future, we must develop programmes and projects in the biosciences. Smart energy, smart materials, ITC, food safety, biotech and health, advances in oncology, individualized health care, climate change and biological diversity, and many research topics of ever stronger significance are related to the biosciences. At present, we can only initiate and coordinate such projects; in the future, we must develop true R&D capacity for these topics.

### **Cultural Aspects**

While we focus on technology, we are not losing sight of culture, both as a form of recreation and as art. We support general aviation and have already introduced one such company into the Wuhan Economic Development Zone. We also encourage the arts and try building cultural elements into our work. Currently, we are discussing ways to bring an international music festival and competition to Hankou University.

### **Belt and Road**

Because of our collaboration and international skills, IIC is poised to play an ever more important role in developing the educational, research and technological aspects of the belt and road idea.

Already, academician Professor Peter Sachsenmeier supervises several postgraduate theses in this knowledge area. More are planned.

We already collaborate with several countries on the belt and road, more will join.

We have started to initiate exchanges of staff and students with other universities and will intensify this effort to include ever more countries. As in all its endeavors, IIC will try to be at the center of any platforms to be established for such collaboration.

### **Commercial Activities of IIC**

Staff of IIC are available for consulting. A separate description of our offering is available on request and is also contained in the IIC Development Plan of 16 November 2016.

### **IIC Project Management Office**

To service the many potential projects generated during recent conferences, other meetings and initiatives, the International Innovation Center (IIC) at Hankou University (HKXY) will set up a Project Management Office PMO (China).

This IIC PMO will be operative from March 2018. Initially, with the help of the Youth League, students will be learning to act as project coordinators for individual projects. The students will also receive systematic training in project management.

### **Integration of ongoing research at Hankou University**

As Vice President for Research responsible for sciences and social science, academician Prof Peter Sachsenmeier already supervises ongoing research at Hankou University. Staff are encouraged to throw their hat in the ring for participation in the projects described in this paper.

### **Overview of the IIC Research Projects**

IIC has collected numerous project ideas, sufficient for a multi-year programme of research and development. Project plans need to be

established, further meetings need to be held, funding needs to be sought, and much work needs to be done. Every single project on this list has the potential to generate ESI projects and would be ideal for postgraduate work.

All China contributions are coordinated by IIC under the guidance of academician Professor Peter Sachsenmeier.

### This list is incomplete.

The following municipal governments have expressed an interest in collaborating with the IIC

Municipal Government	Areas of Interest
Wuhan Economic Development Zone WEDZ	Mobility /cars, modern agriculture, Talents, Light aircraft production / Engines / pilot training, Batteries
Dongxihu, Wuhan	Light planes / engines / pilot training
Jiangxia, Wuhan	Talents, Medical Instruments
Jingmen	Modern Agriculture, robotics, Car batteries, Light planes
Xiangyang	Smart City
Qianjiang	Modern Agriculture, Electronics and Electrical, Medical Instruments

### Projects Under Discussion with Jiangxia District Government

Multi year plan of activities to attract talent
International Innovation Center as a center of national importance, satellite Jiangxia
Jiangxia district-based Hubei research platform
Massive programme of technology transfer, including regular research conferences
Science Research laboratory, demonstration and teaching facility—
Specialist dual education, for R& D laboratory technicians
3D printing specialists
Quality assurance specialists

Emergency Center for disaster prevention and mitigation, including robotic capabilities-

Joint projects with other universities, industry and local government

Cybersecurity initiative

Smart city, including smart energy and smart transport

Cultural projects

Economic projects with impact on the silk road

Advanced medical and biotechnology symposiums

Intelligent industry technologies and research

Health food projects

Cosmetics projects

Alternative energies, including batteries and hydrogen

Predictive maintenance

Advanced learning systems

Water quality measuring and improvement projects

Tourism, including language tourism

Environmental projects, including waste disposal

### Project Ideas Resulting from the Silk Road Conference 2017 and other events

All projects to be coordinated by the IIC Project Management Office and with active participation by IIC.

#### Nine Projects on 2017 11 13

Belt and Road Research and Technologies Conference in Latvia in 2018	Latvian Academy of Science (LAS), Valentins Jeremejevs
Smart City	LAS, Valentins Jeremejevs, Aeternum Foundation
Mutual new materials boards	Alex Katz, Ehrenfried Zscheck
Wuhan University Electronics	Ehrenfried Zscheck
Smart Energy (e. g. Hydrogen)	LAS, Aivars Starikovs, Alex Katz
Medical Valley	Inese Cakstina
Intelligent industry and optimisation	Martin Schottenloher
Certification and quality assurance	IIC, LAS
3D Programme and Institute	Guntis Kulikovskis, Alex Katz

**2017 11 14 More Projects**

Algorithmic Optimisation of Smart Maintenance	Martin Schottenloher, Jan Hanken, Michael Henke (of Dortmund University)
Natural cosmetics online launch project / internet marketing	Valentins Jeremejevs, Meili, Wuhan Dehan High tEch company
Industrial R&D exchange and training project	Ehrenfried Zschech, Guntis Kulikovskis, Alex Katz
Weight reduced materials for buildings, aircraft	Alex Katz
Two dimensional materials and thermal connectivity	Alex Katz, Ehrenfried Zschech
Additive manufacturing / 3 D printing publication / book	IIC, Alex Katz, Ehrenfried Zschech
Ceramics printing	Alex Katz
Smart City	Jan Hanken, Martin Schottenloher, Chinese Factory

**2017 11 15 Projects Identified in Xiangyang**

Smart Maintenance, with Elements	IIC, Wuhan DeHan Hgh-tech Training Co, Alex Katz, Guntis Kulikovskis
Smart city governance, with algorithms	IIC, German national Academy, Jan Hanken, Martin Schottenloher
3D printing	IIC, Alex Katz, Ehrenfried Zschech
Exploration of more cooperation opportunities with Xiangyang high tech zone	IIC expert group, LAS (expert meeting)
Medical valley	IIC, Inese Cakstina
Digital Governance; engineering and society	Ojars Sparitis, Martin Schottenloher
Cybersecurity	Ojars Sparitis, Martin Schottenloher

Establishment of smart factories, smart processes and smart services in cities  
Martin Schottenloher, Ojars Sparitis

Very smart glass for iPhones  
Ehrenfried Zschech, Schott AG

Improved robotics, including capabilities for surface cleaning  
Guntis Kulikovskis, Peter Sachsenmeier

Intelligent logistics  
Peter Sachsenmeier, Guntis Kulikovskis

Smart sensors and data management in underground mining  
Peter Sachsenmeier, Guntis Kulikovskis

Biopharmaceutical industry development  
Inese Cakstina, Valentins Jeremejevs

Fertility treatment  
Inese Cakstina

Anticancer drugs for Leukemia  
Inese Cakstina

Sensors for retrofit of cars, making them into eVehicles  
IIC

**2017 11 16 Projects Identified in Jingmen**

Smart / Intelligent Manufacturing	Martin Schottenloher, Chinese Local Partner, IIC
Electronics and IT	Martin Schottenloher, Ojars Sparitis / LAS
Li batteries,; quality assurance, reliability tests, energy density increase etc	Hubei Jinquan New materials Company, Alex Katz, Ehrenfried Zschech, IIC
Co batteries, contamination of the raw material, new equipment, characterization, R&D, 3D printing	Jingmen GEM New materials Company ltd., Alex Katz, - Ehrenfried Zschech, IIC

Additives of the ceramic powder, 3D printing of ceramics	Hubei Taishan Building Materials co Ltd., Alex Katz, Ehrenfried Zschech, IIC	<b>follow up plans for projects</b>	Silk Road conference in Latvia	Valentins Jeremejevs, Peter Sachsenmeier
Glass manufacturing with intelligent sensors	IIC	Smart City project	Ventspils and Zug	Valentins Jeremejevs, Peter Sachsenmeier
Robots for cleaning aluminium parts	IIC	Executive Boards	Haifa Dresden Research meetings	Peter Sachsenmeier
<b>Other Projects in Jingmen (Discussed Previously with IIC)</b>		Intelligent Industry and Optimisation		Martin Schottenloher, Jan Hanken
Management of Industrial Park, Daodao District	Peter Sachsenmeier	Weight reduced materials for aircraft, building materials; polymers, A231 vs. magnesium		Alex Katz
Academician station		Use of graphene and aluminium for cooling elements in cars		Alex Katz
Provision of innovation team	IIC	New skills for engineers		Alex Katz, Ehrenfried Zschech, IIC
European Office		Agricultural engineering, especially food processing, ecological preservation of foodstuff, and advanced milk and meat processes		LSA
Establishment of cluster platform		Bioinformatics, medical databases, individualized medicine and treatment, regenerative medicine		LSA, Development Zone / Industrial Park, Peter Sachsenmeier
Establishment of industrial fund		New supply chains with hydrogen fuel		LSA
Provision of training to cadres and managers, in Industry 4.0, dual education, intelligent manufacturing				
Organisation of relevant events and meetings, locally and internationally	Thank you so much for hosting our Silkroad Technologies event in November!!			

#### Other Projects in Various Stages of Development

Project Description	Contacts	Details, Actions to be Taken
Quality assurance laboratory for foodstuffs, medical instruments and other products	Cord Lüllmann, Tentamus Analytics GmbH, Berlin; Jürgen Frey	Experts already active in other parts of China, invite to Hubei to establish a branch of their analytics laboratories, involve in setting up IIC lab and capabilities
Intelligent Transport	Yuanming LI, Wuhan Intelligent Elephant Robot Ltd	Help to establish and find partners in CN and abroad for his sophisticated automated parking
Belt and Road and the Commerce and Culture	Latvian Academy of Sciences, Chinese Academy of Social Sciences, IIC, Brandenburg Technical University Germany World Heritage Studies	Project definition established, 4-year project, needs funding, kick off meeting



Project Description	Contacts	Details, Actions to be Taken
European Erasmus + Programme “new skills related to Industry 4.0 for future Asian Engineers	Alex Katz, Ehrenfried Zschech, Peter Sachsenmeier, IIC	Project definition and application for funds with European Union
Music Festival	R M F Joseph	Under discussion with music department
General aviation and air sports events	Eberhard Gienger	Under discussion
Emergency prevention and reaction center	RM Group	Under discussion
Nanaoanalytics	Ehrenfried Zschech, Massimo Neri, IIC, MERSEN	Meeting in June 2018
Blockchain technologies	Martin Schottenloher, Jochen Biedermann, Christophe Lesieur	
Cultural project (football)	Thomas Kochanek	For inclusion in industrial park
Smart City Project	Axel Roth, Christoph Vornholt, IIC, Siegfried Wu Tongji University	City to be agreed, funding required
Smart Farming with Cloud	Dominik Ewald	Several large projects
Water projects	Fernando Pozas	Scope to be determined
Smart retail and advanced logistics chains	Eric Scherer, i2s, Peter Sachsenmeier	Scope to be determined
New contacts and collaboration partners in Germany	Volker Schlegel, Sachsenmeier	Peter International business congress 19 <sup>th</sup> March in Bremen, to be continued
Underwater robotics	Frank Kirchner	Scope to be determined
Advanced logistics in intelligent manufacturing and in the smart city	Klaus-Dieter Thoben	Scope to be determined
Medical Valley research & development, training	Dominic Konrad, icq group, Aeskulap	Scope to be determined
Data protection and data security: impact of European rules on Chinese companies	Britta Burmeister	Scope to be determined
Business development German companies	Stefan Schack	ongoing
Training programmes in intelligent manufacturing / industry 4.0 and dual education	Brandenburg Technical University, Peter Sachsenmeier, Ehrenfried Zschech, Industry 4.0 companies, Carsten Schröder	Pilot film produced
Staff and student exchange, work on advanced smart city ideas	Axel Preusse RWTH Aachen, cooperation with several faculties Ehrenfried Zschech, BTU	First meeting in Beijing, next meeting in Aachen
Cultural heritage and high-tech	Brandenburg Technical University Cottbus, IIC	First meeting March 2019, project scope

## 注释

皮特·萨赫逊 Peter Sachsenmeier, 牛津大学教授、德意志联邦共和国国家科学与工程院院士 (2006 年当选), 通晓七种语言, 工业战略家、高级技术管理专家、工业 4.0 创新人、智能城市建设专家、科技初创企业技术支持者。

在英国、德国及欧洲以外的重点高校教授信息管理与大型项目管理课程, 著有《竞争与合作之间的挑战: 欧洲制造业的未来》等关于智能制造和智能城市的书籍, 以及大量国际学术论文。

德意志联邦共和国国家科学与工程院国际委员会会员 (负责与英美中印关系), 参与了德国科学研究和产业发展规划的撰写, 与国家科学与工程院其他院士一起创造了工业 4.0 这个概念。

现任: 英国产学研转化公司总裁、德国丝绸之路咨询公司顾问、瑞士认证机构 IBAE 总裁、瑞士 i2s 研究与战略首席顾问、武汉德汉高新技术有限公司总裁、汉口学院副校长、国际创新中心主任、武汉经济开发区招商大使、德意志联邦共和国国家科学院与工程院与中国科学院工业 4.0 合作大使。

曾任: 德国 IMG 公司瑞士总部行政总裁、德国计算机科学家协会董事局董事、信息管理战略主席、欧洲工程协会工程工作流程主席、曾就职于联合国及其数家机构, 包括世界银行、联合国科教文组织、世界卫生组织及联合国环境规划署。

他在武汉创建了国际创新中心 IIC 和武汉德汉高新技术有限公司, 拟建中德智能制造产业园, 专家团队和学术/工业网络主要源自德国, 引进了超过 50 名专家和经过严格筛选的相关行业, 以吸引企业进行联合研究和经营, 承接省级和国家级重要研究。引进的行业包括: 汽车/移动设备、生命科学/生物工程、信息技术、智能金融、农业工程与自动化, 航空/飞机/机器人技术、新材料、新能源和节能方法、大数据/模式识别/工业和商业优化、新商业模式、医疗设备与质量控制、一带一路国家的经济与机会的相关知识等。

附:

皮特·萨赫逊教授国际创新中心研发团队

### 一、机构

1. 拉脱维亚国家科学院: 欧盟国家科学院成员国, 下辖很多相关研究院
2. 德国勃兰登堡大学
3. 英国牛津大学

### 二、专家名单 (更新中)

1. 约翰·比德曼博士, 德国法兰克福金融集团、丝绸之路集团 CEO
2. 托马斯·廓衡尼克博士, 瑞士圣加伦大学教授
3. 米歇尔·亨克, 德国多特蒙德大学、弗劳恩霍夫物流研究院教授
4. 弗兰克·科齐勒, 德国不莱梅大学 DFKI 机器人研究院教授
5. 马克西米利安·迈尔, 同济大学教授
6. 斯德范·夏科, 德国总裁协会咨询家
7. 马丁·肖腾罗, 德国院士、数学家、产业自动化软件专家兼企业家、慕尼黑大学教授
8. 阿克西尔·库恩, 德国院士, 多特蒙德大学弗劳恩霍夫产业自动化学院教授
9. 沃尔克·施莱格尔, 高级德国产业政策制定者、汉堡联邦部长、德国驻外大使兼经济代表
10. 欧亚思·思巴里提斯, 拉脱维亚国家科学院院士、院长
11. 玛斯莫·涅尼, 资深企业家、高级碳材料跨国公司 CEO
12. 约格·阿尔伯特·马松, 瑞士大学认证与质量控制专家、总裁协会高级顾问
13. 多米尼克·康拉德, 德国医疗器械国际质量监控 CEO
14. 克劳斯·迪特·拓本, 德国不莱梅大学 BIBA 生产与物流学院教授
15. 勃兰登堡工业大学
16. 伦弗里德·舍奇, 纳米科技专家
17. 克里斯托夫·沃诺特, 物流、智慧城市专家, 原德国国家科学与工程院院士, 研究型教授
18. Carsten S. Schr. der 卡斯滕·S·施罗德 Technology transfer, media, formerly managing director German Academy of Science and Engineering 技术转让、媒体专家, 原德国国家科学与工程院业务总经理 Research Professor 研究型教授
19. Fernando Pozas 费尔南多·波萨斯 Water, environment, innovation, Mexico 国际水务、环保和创新专家, 墨西哥 Research Professor 研究型教授
20. Christophe Lesieur 克里斯托弗·螺祖也 Finance & Risk management 金融与风险管理, 法国 Research Professor

## 研究型教授

21. Ehrenfried Zschech, 伦弗里德·舍奇 Nanotechnology 纳米科技专家 Distinguished Research Professor 杰出研究型教授

22. Christoph Vornholt 克里斯托夫·沃诺特 logistics and smart city expert, formerly staff member National German Academy for Science And Engineering 物流、智慧城市专家, 原德国国家科学与工程院院士 Research Professor 研究型教授

23. Eric Scherer 艾瑞克·谢睿 Renowned enterprise software expert, Advisor at Swiss Elite University ETH Zurich 著名企业软件专家、瑞士科技大学顾问 Distinguished Research Professor 杰出研究型教授

24. Oliver Tieste 奥利弗·替斯特 Distinguished Legal Researcher, Asia Expert and Legal Practitioner 著名法学家、亚洲事务专家、律师 Research Professor 研究型教授

25. Eberhard Gienger 埃巴哈德·京格尔 Member of the German Parliament, Olympic Champion, Distinguished Representative of Sports Culture and Community Involvement 德国议会议员, 奥运冠军, 体育文化和社会活动的杰出代表 Distinguished Research Professor 杰出研究型教授

26. Rosemary M F Joseph 萝丝玛丽·约瑟夫 Oxford Musicologist and Researcher, Distinguished Organiser and Judge Of Music Competitions 牛津大学音乐家、音乐比赛主办者、评委 Research Professor 杰出研究型教授

## 三、部门及其负责人

1. 培训部: 陈利

2. 咨询部: 黄天戌

3. 管理部: 梅雪飞

## 四、下辖研究所及其所长

1. 信息工程研究所: 王鹤

2. 民营企业研究所: 李泊洲

3. 机电电信工程研究所: 邓奕

4. 智能城市研究所: 艾建国

5. 石墨烯研究所: 金文成

## 汉口学院举办新丝绸之路国际科学研讨会

2017年12月13—18日的“新丝绸之路国际科学研讨会”在汉口学院启动。本次会议由汉口学院发起,江夏区、武汉经济开发区、汉南区招才局共同主办。研讨会由汉口学院副校长兼国际创新中心主任、德国国家科学与工程院院士,皮特·萨赫逊教授主持。本次研讨会来自江夏区、武汉经济技术开发区和汉南区招才局相关领导和德国科学与工程院、拉脱维亚科学院等国的10名院士、专家与会。其中拉脱维亚国家科学院院长欧亚思·思巴里提斯和德国国家科学院与工程院院士,智能制造专家马丁·肖腾罗等在其列。

本次研讨会引入国际科学智囊献策,旨在加速工业4.0在湖北落地,共同将湖北建成科技新城。同时,还赴襄阳、荆门等地进行实地考察,对筹建湖北医谷、德国产业园,以及智能机器人制造、智慧城市、飞机创造、3D打印、智能农业等方面提供落地的建议。在研讨会期间汉口学院与江夏区、武汉经济开发区就筹建湖北医谷达成了意向合作协议。