

## iBridge Wins the Cooperation Opportunities Worldwide

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# Haidian Science Park





## Haidian Science Park, the First Science Park in China



Location: northwest in Beijing's urban areaSize: 430 sq kilometers, about 1/40 of Beijing

**Population:** Around 3 million





## **The Rich Education Environment**

#### **Unmatched R&D Environment:**

• **418 academicians** from Chinese Academy of Sciences and the Chinese Academy of Engineering, the two major academies in China:

- •312 research institutes in the region
- •78 Colleges and universities
- •69 R&D institutes Multinational corporations
- •35 key labs
- •15 hi-tech labs
- •50 R&D institutes of Fortune 500 corporations







Some famous royal gardens and beautiful scenic spots located here,

such as Fragrant Hill, Summer Palace and Yuan Ming Yuan.





IDIVIDUE



## Haidian Science Park, the First Science Park in China

Zhongguancun Haidian Science Park (HSP) is one of ten parks in Beijing (Zhongguancun Science Park), Founded in May 1988

HSP is the biggest one among the multi-park and multi-base Zhongguancun Science Park, and it is also the first science park in China

HSP is an incubator for innovation in technology, business, and financing, as well as a testing area for liberalized government policies.









## The 25 years' Development of HSP

## **Enterprises** including more than 4,000 foreign firms.



The year of 2012 including 4400 national high-tech enterprises





## **One Science Park, Seven Key Industries**

- Cloud computing
- ➢ IC
- Mobile Internet and next-generation Internet
- Bioengineering & new medicine
- Location and navigation services
- New material & it's application, New energy & energy saving technology, Environment Protection
- Cultural and creative

More than 67.5% enterprises involves in IT fields. There are 3511 software and software related companies.

The second industry is New material, New energy and Environment Protection, there are more then 522 enterprises.



## <sub>关村科技园区海淀园管委会</sub> Advantages for Building International Technology Transfer Center

## **Industry Advantages**

The park's research-driven companies generated revenue worth more than 1 trillion yuan (\$160.6 billion) from January to November in 2012, up 20 percent over the previous year.

The amount of exports of products with selfowned brand and independent intellectual property rights ranks first in Beijing



The turnover of technology trade in Haidian district amounted to RMB113.3 billion in 2012, accounting for half of the total amount in Beijing





## To strengthen University-industry-research Cooperation

"Transformation of Scientific research, industrialization of science and technology products, and high-end industrialization".

To strengthen the deep cooperation among enterprises, universities, and institutions, to explore all kinds of cooperation pattern in innovative ways:

➢By the end of 2012, HSP has established 35 incubators, 13 of which are stateleveled.

≻16 University Science Parks, 12 are state-level science parks. There are 21 returned students startup business parks and 5 accelerators for S&T Enterprises.

•The total area for incubating parks reaches 1.63 million square meters, hosting 3531 enterprises at present and incubating 6579 enterprises accumulatively. The total number of graduated enterprises reaches 1757.

•The incubators have also created 250 thousand jobs, 3868 of who are overseas returned students.





## To build an international technology transfer cluster

Haidian District is committed to build an international technology transfer cluster:

- The Beijing National Technology Transfer Center of CAS
- Beijing Technology Exchange & Promotion Center
- China Technology Exchange
- China-Italy Technology Transfer Center
- Beijing International Technology Transfer Center
- In 2011, the total volume of transactions on technology transfer in HSP reached RMB 100 billion, accounting for one fifth of the national total.
- There were 9048 patents granted, accounting for 57% of all the patents applied for in Beijing
- The total export amount with their own brands and intellectual property in HSP takes the lead in Beijing.





## HSP emerging as a hub of global innovation



in 1988, The State Council, China's cabinet, approved the first national **high-tech industrial development zone**;

in 1999, The **Zhongguancun Science Park**; compared with IASP

in 2009, A decade after that, the Zhongguancun **National Innovation Demonstration Zone** was founded, as the first of its kind in the country, with State Council approval.





## **Construction of Core Area, downtown Haidian**







## **Future global capitals**

- The pressing questions that only a few years ago would have seemed unthinkable: which cities will be the future global capitals – and what can individual communities do to stake their claim to a key role in tomorrow's world?
- We believe there are six primary pillars critical to the development of tomorrow's nations – creativity and innovation, sustainability, resilience, collaboration, livability and business leadership.



Sam Hamdan is chairman and chief strategist of Global Leadership Team





## **HSP Innovation Polices "show"**







 A Laboratory for Policy: HSP is an incubator for innovation in technology, business, and financing, as well as a testing area for liberalized government policies. (*it was the best way for HSP's boom*)

> by Claire-Juliette Beale, partner and co-founder of Touch360





#### **Environment:**

In nurturing the Park, the Science Park has played a key role in designing an environment in which high-tech ventures and high-growth enterprises can flourish (or die). The main smart ways are as follows:

**Taxation:** 

Incoming Tax: Free in first 3 years Half in 4th-6th years(7.5%) Total from 7th year(15%); Comparing with(33%).

It was a big support from Gov for Haidian Science Park to connect the people, especially in the early stage.





#### •Incubation: (1997 year)

Haidian Science Park's Business Incubating System has become an efficient and well-established network consisting of incubators, returned students' startup businesses, university science and technology parks, a base for professionals and other incubating service institutions.

#### •Zhongguancun IT Festival:(1994 year)

It has become a well-known brand name in the exhibition and conference industry, and as such is an important window for introducing Zhongguancun to the world.

#### •Financing: (2006 year)

it was the first fund on promote the international cooperation and exchange during the 20 years among the 54 high tech-zone in China







## **Supporting Direction**

- R&D Projects of International Cooperation
- Projects of International Communication
- Intermediary services of Internationalization

To enhance enterprises' knowledge and ability in internationalization





#### **13 Standardized Files for Appraisal System on Internationaliaztion**

- Haidian District Provisional Regulations on Promoting the Development of the Internationalization of Innovative Enterprises
- Application for R&D Projects of International Cooperation
- Application for Projects of International Communication
- Application for intermediary services of Internationalization
- Appraisal Form for R&D Projects of International Cooperation
- Appraisal Standards for R&D Projects of International Cooperation
- Appraisal Form for Projects of International Communication
- Appraisal Standards for R&D Projects of International Cooperation
- Appraisal Form for intermediary services of Internationalization
- Assignment for R&D Projects of International Cooperation
- Summary On R&D Projects of International Cooperation
- Acceptance Criteria for R&D Projects of International Cooperation
- Acceptance Form for R&D Projects of International Cooperation





## Report 1. Summary on three years' funding (2006-2008)

Year	Funding Ammount	Interna Coope	ational eration	interm serv	•	Appraisal Fee (million)
	(million)	Projects	Million	Projects	Million	
2006	5	30	4.9	0	0	0.01
2007	5	21	4.7	2	0.030	
2008	5	28	4.9	1	0.010	





## Report 2. Comparison on the increasing rate in 2006, 2007

Unit: 10 thousand Yuan

Index	Enterprises funded in 2006			Enterprises funded in 2007			
	Before	After	Increase Rate %	Before	After	Increase Rate %	
Sales Income	27348	37991	38.90	2210	10575.66	378.54	
Net Profit	4783	5758	20.39%	307.1	1707.51	456.01	
Export	1015	2366	133.05	265.4	1187.85	447.57	
Company Asset	138775	196286	41.44	275641	309649.7	12.34	
New jobs	79	204	158.22	143	285	99.3	
Taxes paid	785	3037	286.6	6745.92	7449.06	10.4	





## Report 3. Countries of Foreign Counterparts in the Funded Projects in 2006, 2008

Countries (Regions)	No. of projects	Percentage	
The United States	32	39	
Japan	10	12.2	
Hong Kong (China)	6	7.3	
France	5	6.1	
Korea	5	6.1	
Canada	4	6.1	
Germany	2	2.4	
Singapore	2	2.4	
Israel	2	2.4	
Ireland	2	2.4	
Zambia, Belgium, Austria, New Zealand, Sweden, Portugal, Russia, Bangladesh, Chile, Poland, Australia and etc.	12*1	15.6	





## First Pot of Gold: regulations on the management of funds supporting the internationalization of hi-tech companies (piloting)

- the pioneering project among the 105 hi-tech zones in China which supported the internationalization of hi-tech companies.
- From 2006 to 2008, over 80 enterprises had received funding,
- 54% of which had met the certification standards of high-tech enterprises
- This played a solid foundation for the transformation from "the Experimental Zone" to "a Demonstration Park".







## **Review : Innovation Policies with Global Version**

#### Main Features of Innovation in Internationalization of HSP

Innovation Function : Changes are made based on market regulation in 4 or 5 year turns
Innovation Environment : changes from "4 self-development principles" to "4 Branding development goals"
Innovation Facilities: from "infrastructure" to "functional planning"
Innovation Policies: from "18 preferential policies" to "1 plus 6 inwardstimulating polices"
Innovation Theme: changes from a "science park" to an "innovative downtown"
Innovation orientation: from "full production in whole chains of industries" to "focus on the human life for long run"





## Social networking to promote the global knowledge innovation system





## First thinking of "Networks" in International Science Parks







## iBridge Story: Smart Points Targeting at the Media





In 2006, HSP joins hands with Phoenix TV in promoting its hi-tech enterprises in Europe (*Towards China*)

In the 4 years of co-operation, 150 enterprises were promoted through TV in Europe, creating a new way of cooperation with media. These programs can been found on iBridge platform, which have raised public awareness and caused an upsurge in similar shows nationwide.



View the programs on the <u>"Towards China" community</u> on iBridge



#### **iBridge Story: Training Program with IEEE-CS**



In June 2006, cooperated with IEEE, HSP conducted the CSDP training, a software senior talents qualification certification.

In the first training period, 6 trainees passed the exam. Before this, only three people had passed this exam in China.

(Certified Software Development Professional)





## **International Community on iBridge: IEEE blog**

会务会展标题	举办时间	举办地点
2011 IEEE/ICME International Conference on Complex Medical	2011-05-	中国大陆
Engineering - CME 2011	22	黑龙江
IEEE International Conference on Microwave Technology &	2011-05	- 中国大陆
Computational Electromagnetics (ICMTCE)	22	北京市
▶	2011-0	5- 中国大陆
■ 2011第三届IEEE信息管理与工程国际会议(ICIME2011)	21	河南
EEE INFOCOM 2011 - IEEE Conference on Computer	2011-	04- 中国大陆
Communications	10	上海
EEE Conference on Cyber Technology in Automation Control and		-03- 中国大陆
Intelligent Systems	20	云南
2011 International Conference on System Design and Data		11-02- 中国大陆
Proceesing (ICSDDP)	26	山西



IEEE created its blog on iBridge in 2008, using the platform to post its conferences and updates to the Chinese audience. Till now, **65** IEEE conferences were posted on the platform.







## **iBridge Story ----Research Reports**

- Feasibility Report on One-stop Service Platform for tech-based enterprises to "go global" (passed by MOST in 2005)
- Study on the "Indicators of Internationalization of HSP" (Approved in 2006).
- Haidian District Regulations on the Management of Special Funds Aiming to
   Promote the Development of Hi-tech Industries
- Report on the Management of Special Funds Aiming to Promote the Development of Hi-tech Industries, 2007
- Network, the best approach for creating the future through cooperation: example from Zhongguancun Haidian Science Park. (presentation in Korea, 2008)
- Haidian District Implementation Regulations on the Promotion of the Creation
   of Innovative Enterprise Brands (Effective in 2009)
- Forming Regional Innovation Network and creating ecological environment for High-tech industries by Fu Shouqing
- One world, One Science Park by Zhang Xiuyiang (included in the 26<sup>th</sup> IASP World Conference Collected Papers) and other articles.





## Favored by visitors around the world

iBridge office has hosted over **180** delegations from around the world since 2010, with **30%** of which are enterprises and **10%** from MBA schools of famous universities worldwide, while about **60%** others from research institutions or science parks in other countries. From the composition of the visitors, we find that most visitors are either decision makers, entrepreneurs or school masters, and senior officials.



On May 17, 2011, Jacques Potdevin, founder and Chairman of JPA International, a world class consulting, together with his 15 members, visited HSP.





## The value of iBridge: Lux Research

- 1. On March 16, 2001, Robert S. Burns, vice President of Lux Research Inc. and visiting scholar from Eisenhower Foundation visited HSP, and made a decision to cooperate with HSP immediately after his **first visit**.
- And then, 3 batches of staff members from Lux Research came to HSP 3 times within 1 month, negotiating and arranging cooperative issues.
- 3. Among 7 companies in HSP which participated in Lux's trainings, 5 had business talks with Lux. By the early June, the reports concerning these 5 companies were issued on the Periodical of Lux Research.
- 4. Such an cooperative pace indicates the iBridge's effectiveness and efficiency.



Lux Research, an independent research and advisory firm providing strategic advice and ongoing intelligence for emerging technologies, held exchange meetings on cutting-edge technologies in HSP.

Visit our site to know more about international exchanges





## The value of iBridge : HSP with Lux Research

Zhun Ma, Ph.D., Analyst of Lux Research Asia Pacific Pte. Ltd. wrote to us:

## "

Very appreciated for your help to organize my meeting with those high-tech start-ups in Haidian Park and give me useful advices on how to start Lux's business activities in Beijing. **The companies in Haidian are unique and wonderful.** The contact with them offers me a lot of new knowledge and ideas.

For instance, among the five companies I briefed in past three days, some technology is world-class and compatible with the top two global gaints. In one company, its CTO is an American (NOT ABC) and the other one keeps good relation and network with Chinese domestic companies in the same industry.

All these provide a deep insight for me to know the high-tech start-ups in China and the government's resolution and steps to build an innovative society.





## **Classroom for Global innovation**



On March 9, 2010, a 25 MBA student delegation from Business Administration University of Lisbon

"iBridge Office in HSP is just like a classroom for MBA, where we are deeply impressed by the innovation culture with Chinese style." Professor Virginia Trigo said.





#### Zhongguancun Haidian Science Park, China's Silicon Valley



Zhongguancun Haidian Science Park (HSP) boasts the most intensive knowledge resources and strongest research capacity in China. 80 colleges and universities represented by Peking University and Tsinghua University have over 20,000 undergraduates and 5,000 postgraduates each year. 219 research institutes, such as Chinese Academy of

- Location: northwest of Beijing
- Area: 430 square kilometers
- Population: 3 million
- Number of SMEs: 16314
- Number of foreign firms: 1500
- Average annual growth rate: 34%

Sciences (CAS), have over 36% of the country's academicians. There are 513,500 employees working here, and over 7400 overseas students have returned to start businesses. With many high-tech businesses concentrated here, it has frequently been branded "China's Silicon Valley".

As the first state-level science park in China, HSP has witnessed a 20-year history of innovation and development, and accumulated much experience and culture in promoting enterprises. In 1991, HSP became the full member of IASP.



#### The Core Area of the State Demonstration Zone for Innovations

- A center for innovative ideas
- A place for international cooperation
- A land for start-up businesses
  A laboratory for liberalized policies
- · An incubator for innovation in technology,
- business, and financing
- A world-class R&D center
- and more ...

To learn more about our park, please visit our website at www.zhongguancun.com.cn or www.iBridge.com.cn.

The public garden, the school campus and the Haidian Science Park; The leisure paradise, the learning village and the innovation hub.




# **Effect with the World Economic Forum in Davos**





Exchanges during the intervals of the World Economic Forum of Davos

Work together in iBridge office

In Spet., 2010, Zhao Fengtong (*Party Secretary of Haidian District*) led Beijing team to participate in the World Economic Forum

From 2008 to 2010, HSP has recommended candidates for Technology Pioneers Program launched by the World Economic Forum.

In 2010, the first Technology Pioneer in China selected by the World Economic Forum, appeared in Zhongguancun.



# 中关村科技园区海淀园管委会 On China daily **Wasgington Post**

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TUESDAY, MARCH 5, 2013 中國中國 CHINA DAIL



#### In innovation hub, technology drives new economy

Haidian Science Park promotes

#### green strategies for going global

**WNN** NANN









#### No question about it - China has arrived Where enterprises interact with the

Tongfang has connections with schools and emerging industries





#### iate and sporting events up Hainan's capital





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#### Foreign talent drives stem cell research in Haidian

'Hidden gem' of Haikou's villages





international media





# iBridge's story





# What is iBridge?

**iBridge** is a platform committed to provide services to governments, businesses, organizations and expert members. It is a pilot project, of Zhongguancun Haidian Science Park (HSP) that was designed to explore the road of future innovation.





# The Office of iBridge

iBridge is a new platform that helps us to face the challenges of globalization in knowledge-based society. It has also recorded the changes in Zhongguancun in its road of innovation.

Design Style: Modern style with Chinese national flavor Usable Area: 150 square meters Start Time: 2005 Main Functions: Reception, Communication, Training, and Promotion Platform management becomes a new developing mode of future innovation





# The timeline of our research and work on it

- 2003-07-28: HSP proposed the report to the Ministry of Science and Technology: Several Thoughts on Exploring the Modes of International Cooperation and Exchange of Haidian Science Park;
- 2004-02-28: HSP was approved by torch of MOST;
- 2005: Feasibility report completed;

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- 2006: Beginning design and construction of the iBridge platform; a study group of three-party cooperation was comprised to commence of the iBridge platform ; and
- 2007-09-09: The iBridge platform was officially put into trial operation.





## iBride Model –is an example of pooled wisdom in Network







### Network, the Best Approach for Creating the Future Innovation

**Core Concept** 







# **Building Standardization for innovative Downtown (Haidian)**







# **iBridge Historical Highlight**



In 2007 HSP And Portuguese SPI Signed a Framework Agreement for Cooperation in the Great Hall of the People. Premier Wen Jiabao of China and Prime Minister Jose Socrates of Portugal attended the signing ceremony. It is the first time in HSP that a signing ceremony was held in a state foreign affairs ceremony hosted by the Premier.





# **Testimonial (China): the platform supported by MOST**



**Received support from MOST IN 2005** 



Key project of Torch Plan by MOST, 2007



### 中关村科技园区海淀园管委会 Testimonial (abroad): Comments from Experts (1)

John Della Volpe, director of Polling, Institute of Politics, Harvard University, expressed his admiration for iBridge during his visit to HSP in December 2008. He noted in his blog:



"I was very pleased and humbled when Madame Zhang Xiuying who leads the tech park said that after seeing thousands of Web 2.0 companies around China and at international conferences, some of the products that I spoke about from SocialSphere were 'truly inspirational' and 'pioneering' in the Chinese market..."





### **The Best Understanding**



On March 31, 2008, Mr. Jeannot Krecke, Luxemburg Minister of Economy and Foreign Trade, led a delegation of 14 members to visit Haidian Science Park



FOCUS on Research and Innovation in Luxembourg-N° 1/2008

- What is the Science Park ?
- What is the advantages of China?





# **Testimonial (abroad): Comments from Experts (2)**

Martin Grossman, Associate Professor of the Department of Management at Bridgewater State College, Massachusetts, says in his paper "An emerging global knowledge management platform: case of iBridge" that:



"We truly believe that. Not only will we work to improve and upgrade the features and functions of the platform, such as introducing more efficient ways of communication, providing more user-friendly display web pages and layouts, and paying more attention to the latest development of web-technology, but also we will encourage transnational knowledge flows and fostering innovation."



# 

### IASP Peer-to-Peer Advice Service

### List of experts 2012-2013

Appointed by the IASP International Board of Directors for the period 2012-2013



18 experts from 10 countries, among which 5 from Spain, 3 from UK, 2 from Canada, 2 from China, and 1 respectively from Sweden, France, Australia, Estonia, Thailand and Korea.

#### Dear Ms. Zhang,

Congratulations and most of all thank you for having participated in this idea. Your name will be included in the first list of IASP experts which will be made known to all members soon. We will also be sending you a certificate that acknowledges this status.

14th December 2011





# **Comparison with platforms like Facebook**

### Similarity

- both have the similar function of connecting others
- almost at the same time to start up
- nicely categorized, easy to search
- Similar way of information sort and usage

### Difference

- Our attention is paid not only on hits and traffic of the site, but more on musings on philosophy of it. Only by this way can our taste and quality be improved, knowledge enriched, and ability enhanced.
- From the previous examples, we can find that they are totally different from those common measures that solely use policy, platform, cooperation or media. Take policy as an example, there exist good, bad or wrong ones.





# New iBridge to Construct A Global Knowledge Innovation Service

- Focus on Internationalization and Knowledge Innovation themes;
- Web 2.0 based technology allows members to post, discuss, comment, participate and blog;
- New Social Media and SNS Functions: share, favorite feed, micro-blog (twitter), RSS, tags, and etc.;
- •SoLoMo model will be adopted at the new iBridge platform.







# **The Team Leader**

The iBridge team was selected from several professional web companies that can provide professional web designs, web coding, and daily maintenance. The members of the team also include a doctor of cryptology graduated from London University.

Xiuying Zhang, the leader of the team, who has been in Haidian Science Park (HSP) for over 20 years, is an initiator and a leader of the platform.

### **Brief Profile of Xiuying Zhang:**

In 2013 Honorary Doctorate of Letters by IBC
in 2012 Lifetime Achievement Award on the science park management and innovation hold by the World Congress of Arts, Sciences and Communication;

• In 2012 Selected the International Expert on STP Management by IASP;

•Selection as Woman of the Year 2011 by American Biographical Institute .

•Won Finalist Award of Year 2007 International Women Influence Award.

•Obtained a MBA degree from Roosevelt University in 1999.







www.zhongguancun.com.cn & www.iBridge.com.cn

