Application of Machine Translation during Olympic Games 2008

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Background

- In 2001, the Chinese government gained the qualification to hold 2008 Olympic Games in Beijing
- In 2002, the Hi-Tech R&D Program of China ("863" Program) funded a big project named as "Research and Development of Multi-lingual Intelligent Information Service System and Application Demonstration System" (Grant No. 2002AA117010)





R&D of human language technology oriented to 2008 Olympic Games to provide the technical support to reach the goal of "Digital Olympic, Personalized Olympic".

◆ <u>Tasks</u>:

- > Information service (Networking & Kiosk)
- > Computer-aided Multi-lingual translation (off-line)
- > Real-time multi-lingual translation (on site / on line)
- > Multi-lingual service for mobile terminals







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MT Application during Olympics 2008

♦<u>Kiosk</u>

- > 62 kiosks are installed at airport, some agonistic places, sight-seeing sites, and key traffic stations
- > Various types of documents
- > Athletes' resumes, records and all background information
- Schedules of activities
- Traffic information







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NLPR MT Application during Olympics 2008

- Post Service System
 - > Developed in Windows XP Windows server 2003
 - > Server: Tomcat6.0
 - ➤ Rule-based MT
 - Number of rules, entries and proper nouns

Language Pairs	Entries	Rules	Proper Nouns
C – E	270,000	4,899	47,000
E – C	270,000	6,000	40,000
C – J	240,000	2,273	34,000
J – C	230,000	2,736	26,000
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₩ 政多语互译平台						
English -> Chinese	Language Selection	I: English	Française 日本	語 Русский язык	Español	
Content of dialogue / 翻译区						
				616	• संदत्त स े क	
A		Cierk / 宫山	"员			
🚡 Customer / 来宾						
Good Afternoon.I want to	*				*	



- http://www.hjtek.com/en/index.html
- A high-tech enterprise directly invested by the Chinese Academy of Sciences.

◆ Mainly engaged in technological research, product development, application integration and technical services in the field of computer and language information processing, to provide the government, businesses and individuals with solutions to computer information system applications such as computer information processing, systems integration and information services.



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About Huajian Group Co., Ltd.

- Machine translation systems involve 8 languages: Chinese (simple and traditional Chinese characters), English, Russian, Japanese, Germany, French, Spanish, and Korean.
- ◆ MT systems:
 - > Chinese \leftrightarrow English
 - > Chinese \leftrightarrow Japanese
 - \succ Chinese \leftrightarrow Russian
 - \succ Chinese \leftrightarrow Korean



NLPR, CAS-IA April 26, 2006





- \succ Germany \rightarrow Chinese
- \succ French \rightarrow Chinese
- \succ Chinese \rightarrow Spanish









About Huajian Group Co., Ltd.

- 2002, The new products 'Huajian EasyTrans English-Chinese Two-way Ultra-intelligent Version' and 'Huajian IAT' were put onto the market
- > 2003, Establishment of Beijing Huajian Huizhi Co., Ltd.
- 2006, Establishment of Huajian eTone Language Technolog (Beijing) Co., Ltd.
- 2007, Establishment of Ningbo Huajian Information Technol Co., Ltd.
- > 2007, Establishment of Tianjin Zhongke Huajian Science & Technology Co., Ltd.





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