

International Strategic Technology Alliance (ISTA)

Introduction and Opportunities with ATN

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January 30, 2008

International Strategic Technology Alliance (ISTA)

■ Background

- The only university applied R&D network in China with international memberships
- To promote collaboration in applied R&D and commercialization among members
- Currently 23 members with PolyU as the Chairman of the Executive Committee and the Secretariat in Hong Kong

ISTA Members

China

- Fudan University
- Harbin Institute of Technology
- Hong Kong Polytechnic University
- Huazhong University of Science and Technology
- Nanjing University
- Northwestern Polytechnical University
- Peking University
- Renmin University of China
- Shanghai Jiaotong University
- Sichuan University
- South China University of Technology
- Southeast University
- Sun Yat-Sen University
- Tongji University
- Tsinghua University
- University of Science and Technology of China
- University of Shanghai for Science and Technology
- Wuhan University of Technology
- Xian Jiaotong University
- Zhejiang University

UK

- Cardiff University
- University of Warwick

US

- Purdue University

International Strategic Technology Alliance (ISTA)

■ Objectives

- To facilitate the transfer of quality research results (knowledge and technology).
- To leverage members' research capability for international R&D collaboration
- To cultivate close academic, admin and strategic cooperation amongst members.

International Strategic Technology Alliance (ISTA)

■ Stages and Foci of Development



ISTA Activities

■ Collaboration

- Collaborative research projects
- Bi-lateral collaboration in **teaching** (Chinese in-bound)
- **Joint research** centers and laboratories
- Conferences, exchange and study missions

■ Commercialization

- Joint endeavors in knowledge transfer (consultancy, licensing)
- Joint ventures and spin-off companies

ISTA – ATN Collaboration

- Memorandum of Understanding signed between ISTA and ATN in 2005 to formalize the partnership between the two networks.



ISTA vs. ATN

ISTA	ATN
No formal budget; voluntary in-kind contribution	Formal budget and operations
No formal staffing Secretariat in HK PolyU	Full time staffing
23 universities (China, UK, USA)	5 universities (Australia)
Driven by common interests in applied R&D commercialization, internationalization	Driven by common institutional objectives in the context of Australian higher education environment

ATN Participation in recent ISTA Events

■ 2007

- **12th ISTA AGM (Hong Kong)**
 - Exploration of regional innovation opportunities
- **Higher Education Management Leadership Forum**
 - Sharing of institutional leadership, advancement, and innovation

■ 2006

- **11th ISTA AGM (Shanghai)**
 - Invitation for Chinese participation at e-Grad
- **Technology Collaboration Forum**
 - Renewable energy and its applications
- **Technology Collaboration Discussion Sessions**
 - Medical instrumentation, Alternate energy, Modernization of traditional Chinese medicine

ATN's Participation in recent ISTA Events



Jan 2008

ATN Conference 2008

ISTA Participation in ATN Events

■ 2008 ATN Annual Conference

- Huazhong University of Science and Technology (Wuhan)
- Southeast University (Nanjing)
- Sun Yat-sen University (Guangzhou)
- The Hong Kong Polytechnic University

■ 2007 ATN Annual Conference

- The Hong Kong Polytechnic University
- Shanghai JiaoTong University (Shanghai)
- TsingHua University (Beijing)

Resources for ISTA – ATN Collaboration Opportunities

China

Australia



Market ; Technologies
Research Funding ; Investment
Students ; Researchers
Industrial Support
Government Support



Collaboration Opportunities

- Joint academic programs
- Exchanges
 - Bi-lateral exchanges (academics and/or admin.)
 - China Scholarship Council (CSC) Scholarships
 - Emerging Researcher Scheme
 - Initial focus area : *Nano-technology*
- R&D collaboration and product development
- Other possibilities?

Upcoming ISTA Events

- **13th ISTA Annual General Meeting (Xi'an)**
 - **Northwestern Polytechnical University**
 - **Xi'an, Nov 2007**
 - **Exploration of collaboration opportunities in Northwestern China**
 - *Natural Resources*
 - *New materials*
 - *Civic application of military technologies*
 - *Aeronautics*

Thank you !