

PROTOCOL

of the 35th Session of the Poland-China Scientific and Technological Cooperation Committee

In accordance with the Agreement on Scientific and Technological Cooperation between the Government of the Republic of Poland and the Government of the People's Republic of China, signed in Beijing on 13 April, 1995, the 35th Session of Poland-China Scientific and Technological Cooperation Committee (hereinafter referred to as the Committee) was held in Beijing on 21 November, 2012.

The Polish Party of the Committee was led by Mr. Mateusz GACZYŃSKI, Deputy Director of Department of Strategy, Ministry of Science and Higher Education of the Republic of Poland. The Chinese Party of the Committee was led by Mr. MA Linying, Deputy Director General of Department of International Cooperation, Ministry of Science and Technology of the People's Republic of China.

The list of participants from both Parties is enclosed in *Annex I*.

The Committee addressed the following issues:

1. Exchange of information on S&T development

Both Parties exchanged information on their key strategies and the latest plans of S&T development as well as the international S&T cooperation.

2. Review of the performance of the projects approved at the 34th Session

Secretaries of both Parties reported to the Committee the performance of the projects approved at the 34th Session.

3. Discussion and approval on new joint projects

Both Parties have agreed that projects under this Protocol should be in

accordance with priority fields for S&T cooperation of both countries. According to the regulations of both Parties, the project proposals were pre-reviewed by teams of experts of both Parties. The Committee reviewed and selected the final list of projects for implementation (*listed in Annex II*).

4. Administrative and financial terms

Both Parties reviewed the administrative and financial terms and conditions of the bilateral S&T cooperation in both Poland and China.

4.1. The administrative terms

Both Parties agreed on the criteria for evaluation and implementation of the projects:

- the projects should be submitted jointly by both sides
- the projects should have scientific merit
- both partner institutions should be in conditions to implement the projects

4.2. The financial terms

The financial mechanisms will be based on national regulations being in force in each country.

The financial support for the Polish partner institute, which is necessary for the execution of the project activities, as described in the Polish application form, will come from the fund covering the statutory activities of the Polish institutes.

The sending Party will cover the costs of international travel and health insurance.

The receiving Party will cover the costs of accommodation, meals and local transport.

The same financial regulations will be applicable to the members of the delegations for participation in the Scientific and Technological Cooperation Committee meetings.

Each project, during its implementation period of 2 years under this Protocol, will be financed to cover the exchange of up to 4 persons from each country for a maximum period of 14 days, unless agreed on in a different way.

5. Setting the date and place of the 36th Session of the Poland-China Scientific and Technological Cooperation Committee

The Committee agreed that both Parties should announce the Call for Proposals in the second half of 2013 for the proposals for the period of the next two years. The 36th Session of the Poland-China Scientific and Technological Cooperation Committee will be held in Warsaw in 2014.

If necessary, the Committee can hold a mid-term meeting to exchange information on latest achievements on S&T policies, and to evaluate the performance of the projects. The exact date and place will be mutually decided between the Parties.

The present Protocol was signed in Beijing on 21 November, 2012, in two identical counterparts: each in the Polish, Chinese and English languages, where all languages are equally valid. In case of any discrepancies in interpretation, the English text shall prevail. The *Annex I* and the *Annex II* are inseparable parts of this Protocol.

Chairperson of
the Polish Delegation

Chairperson of
the Chinese Delegation

Annex I

LIST OF THE POLISH DELEGATION TO
the 35th Session of the Poland-China
Scientific and Technological Cooperation Committee

Mr Mateusz GACZYŃSKI

Head of the Delegation, Deputy Director, Department of Strategy,
Ministry of Science and Higher Education

Ms Małgorzata PIĄTEK

Principal Expert, Department of Strategy, Ministry of Science
and Higher Education

Ms Jolanta IWANICKA

First Secretary, Economic Section, Embassy of the Republic of
Poland in Beijing

LIST OF THE CHINESE DELEGATION TO
the 35th Session of the Poland-China
Scientific and Technological Cooperation Committee

Mr MA Linying

Head of the Delegation, Deputy Director General of Department of International Cooperation, Ministry of Science and Technology

Mr ZHENG Shimin

Director of Division of Euro-Asia, Department of International Cooperation, Ministry of Science and Technology

Ms GU Min

Assistant Coordinator, Division of Euro-Asia, Department of International Cooperation, Ministry of Science and Technology

Annex II

The Project List for the 35th Session of Poland-China Scientific & Technological Cooperation Committee

Project Number	Title	Polish Organization	Polish Applicant	Chinese Organization	Chinese Applicant
35-1	Application of the liquid scintillation spectrometry (LSC), thermoluminescent detectors (TLD) and alpha track detectors (ATD) for simultaneous measurements of radon, thoron and the potential alpha energy concentration of radon and thoron decay products	Central Mining Institute in Katowice, Poland.	Stanisław Chałupnik	School of Physics, Peking University	GUO Qiuju
35-2	Novel anode and cathode materials with double perovskite structure for solid oxide fuel cells fueled by syngas	AGH University of Science and Technology	Konrad Świerczek	University of Science and Technology Beijing	ZHAO Hailei
35-3	Comparison of the culture landscapes under background of the urbanization in China and Poland	University of Agriculture in Kraków	Józef Hernik	Beijing University of Agriculture	CHEN Gaiying
35-4	Cosmological model testing and dark energy studies	Institute of Physics, University of Silesia	Marek Biesiada	Department of Astronomy, Beijing Normal University	ZHU Zong-Hong
35-5	GIS-based spatial decision support method and its application to safety evaluation of city and engineering	AGH University of Science and Technology	Beata Hejmanowska	Changzhou University	ZHU Qingjie
35-6	Biodegradable copoly (ester-carbonates) as cardio-vascular stent material	Centre of Polymer and Carbon Materials, Polish Academy of Sciences	Janusz Kasperczyk	Fudan University	FAN Zhongyong
35-7	Nonlinear differential equations for multivalued and nonsmooth systems with applications	Jagiellonian University	Stanisław Migórski	Guangxi University for Nationalities	LIU Zhenhai

35-8	Numerical modeling of moving boundary problems of anomalous diffusion in environmental fluids	Częstochowa University of Technology	Małgorzata Klimek	Hohai University	CHEN Wen
35-9	Fluid dynamic research of solid-liquid two phase lifting pump in deep sea mining	Wrocław University of Environmental and Life Sciences	Jerzy Sobota	Hunan University	ZOU Weisheng
35-10	Bio-inspired robots and robots motion synthesis	Warsaw University of Technology	Teresa Zielińska	South China University of Technology	SU Chunyi
35-11	Protection of photosensitive drugs by hybrid system of supramolecular gels/Gemini surfactant micelles and industrial development	Adam Mickiewicz University; “Blachownia” Institute of Heavy Organic Synthesis	Bogumił Brycki; Edyta Kuliszewska	Huazhong University of Science and Technology	YANG Yajiang
35-12	High precision approach for temperature estimation using magnetic nanoparticles	Institute of Physics, Polish Academy of Sciences	Ewa Mosiniewicz-Szablewska	Huazhong University of Science and Technology	LIU Wenzhong
35-13	Identification of new genetic alterations and potential therapeutic targets in lymphocytic malignancies	Institute of Human Genetics, Polish Academy of Sciences	Grzegorz Przybylski	Jinan University	LI Yangqiu
35-14	A research of key technology of MEMS IMU/Radio frequency indoor positioning	University of Warmia and Mazury in Olsztyn	Marcin Uradziński	Jiangxi Normal University	YU Min
35-15	Development of boronate affinity functionalized materials and their applications in metabolomics	Medical University of Gdańsk	Michał Markuszewski	Nanjing University	LIU Zhen
35-16	Study on gene transfection efficiency of Non-virus gene delivery vector in crowded micro-environment	Institute of Physical Chemistry, Polish Academy of Sciences	Robert Hołyst	Nankai University	FENG Xizeng

35-17	Synthesis of fluorescent carbon nanotubes and their property manipulation by self assembles of amphiphilic molecules	Institute of Physical Chemistry, Polish Academy of Sciences	Robert Holyst	National Engineering Technology Research Center For Colloidal Materials, Shandong University	XIN Xia
35-18	Molecular mechanisms of insect chemical communication-application in developing new, selective methods for pest control	Opole University	Hubert Wojtasek	Shandong Academy of Agricultural Sciences	XUAN Ning
35-19	Advanced nanotechnology-based materials and components for assembly in printed electronics	Tele and Radio Research Institute	Janusz Sitek	Shanghai University	ZHANG Yan
35-20	Study on new technology development for power quality assessment on shipboard	Gdynia Maritime University	Janusz Mindykowski	Shanghai Maritime University	XU Xiaoyan
35-21	REBa ₂ Cu ₃ O _x (RE – rare earth): crystal growth and its superconducting properties	Institute of Physics, Polish Academy of Sciences	Roman Puźniak	Shanghai Jiao Tong University	YAO Xin
35-22	Studies on the kinetics of partitioning for advanced high strength QP steels via in situ internal friction measurement	AGH University of Science and Technology	Leszek Magalas	Shanghai Jiao Tong University	JIN Xuejun
35-23	Artificial intelligence methods in modelling, control and fault diagnosis of mechanical and chemical systems	University of Zielona Góra	Krzysztof Patan	Shanghai Normal University	TAN Yonghong
35-24	Forming of adhesion strength in building adhesion joints. Material modification-test methods	Warsaw University of Technology	Bogumiła Chmielewska	Tongji University	WANG Peiming

35-25	Characterization of pharmacological activity and mechanism of action of plant-derived preparations used in Polish and Chinese traditional medicine – in search for novel therapeutics with anti-inflammatory and analgesic action targeting the gastrointestinal tract	Medical University of Łódź, Poland	Jakub Fichna	Tenth people's hospital of Shanghai, School of Medicine, Tongji University	CHEN Chunqiu
35-26	Von Neumann algebras and quantum measurement theory	University of Łódź	Stanisław Goldstein	Zhejiang University	WU Junde
35-27	THz emission and detection of high electron mobility transistors based on 2DEG epitaxial structures	Institute of High Pressure Physics of Polish Academy of Sciences	Grzegorz Cywiński	Institute of Semiconductors Chinese Academy of Sciences	YANG Fuhua
35-28	Landslide identification, movement monitoring and risk assessment over rugged mountain area using advanced earth observation techniques	The Polish Geological Institute	Zbigniew Perski	Center for Earth Observation and Digital Earth, Chinese Academy of Sciences	LIU Guang
35-29	Overcoming technological and non-technological barriers in carbon capture and storage technologies in coal combustion plant	Czestochowa University of Technology	Wojciech Nowak	Institute of Engineering Thermophysics, Chinese Academy of Sciences	LU Qinggang
35-30	Spatial-temporal distribution patterns of fishes and their relationship with cyanobacterial bloom in large lakes	Polish Inland Fisheries Institute	Małgorzata Godlewska	Institute of Hydrobiology, Chinese Academy of Sciences	YE Shaowen
35-31	Coastal environmental change and bio-diversity response during the last century in the Laizhou Bay, Bohai Sea, and the Swina River Gate, Baltic Sea- a comparative study	Institute of Marine and Coastal Sciences, University of Szczecin	Andrzej Witkowski	Yantai Institute of Coastal Zone Research, Chinese Academy of Sciences	QIN Song

35-32	Research and development on the key technology of robust and fault tolerant control for the novel wind power generator system	University of Zielona Gora	Marcin Witczak	China University of Mining & Technology	CHEN Hao
35-33	Bisphenol A and phthalates in the development of dysfunctions of the male reproductive system	Institute of Animal Reproduction and Food Research of Polish Academy of Sciences	Sławomir Wołczyński	State Key laboratory of Agro-Biotechnology China Agricultural University	LI Xiangdong
35-34	Analysis and investigations of stimulations of crop seeds germination and growth under low frequency magnetic/electromagnetic fields	Institute of Tele- and Radio Communication,	Bogdan Miedziński	China Agriculture University	WANG Xin
35-35	Identification of nonstationary stochastic processes and its application to active noise/vibration control and adaptive signal processing	Gdańsk University of Technology	Maciej Niedźwiecki	Chongqing University of Posts and Telecommunications	ZHOU Yi
35-36	Signal processing in cognitive radio networks	Poznań University of Technology	Krzysztof Wesołowski	Chongqing University of Posts and Telecommunications	WANG Guangyu
35-37	Application of biological control technology in greenhouse agriculture and mushroom production	Institute of Plant Protection	Danuta Sosnowska	Xinjiang Academy of Agricultural Sciences	LONG Xuanqi
35-38	Prediction of methane explosion hazard on longwalls in gassy mines in conditions of increasing output concentration	Polish Central Mining Institute	Krause Eugeniusz	China Coal Technology and Engineering Group	QU Xianchao