

協定書  
(大阪大学工学研究科—中国科学院ナノ科学研究センター)

MEMORANDUM ON ESTABLISHMENT OF INTERNATIONAL JOINT  
RESEARCH LABORATORY  
BETWEEN  
GRADUATE SCHOOL OF ENGINEERING  
OSAKA UNIVERSITY  
AND  
NATIONAL CENTER FOR NANOSCIENCE AND TECHNOLOGY  
CHINESE ACADEMY OF SCIENCES

The Graduate School of Engineering, Osaka University, Japan, and National Center for Nanoscience and Technology, Chinese Academy of Sciences, China, based on the agreement on academic exchange between both universities, hereby agree to establish a collaborative laboratory on Elucidation of catalytic mechanism of nanoparticles on TiO<sub>2</sub>(110) surface by simultaneous measurement AFM/KPFM between both institutions.

**Article 1 Scope of Collaboration:**

The collaborative study is limited to researches on Elucidation of catalytic mechanism of nanoparticles on TiO<sub>2</sub>(110) surface by simultaneous measurement AFM/KPFM which are performed at both institutions.

**Article 2 Setting up Collaborative Laboratory:**

To push forward the collaborative study, each institution establishes a laboratory on each side. "Evaluation of cutting edge nanosurface collaborative laboratory" is opened inside the Graduate School of Engineering, Osaka University and National Center for Nanoscience and Technology, Chinese Academy of Sciences. Researchers and students who belong to the collaborative research projects are registered as members of the collaborative laboratory.

**Article 3 Financial Considerations:**

Prior to dispatching researchers and students to the collaborative laboratory of the other institution, both institutions should achieve agreement on the duration of the stay, the number of researchers and students to be sent, and other details. Based upon this mutual agreement, the sending institution shall bear the travel expenses and the receiving side shall bear the expenses of accommodations during the stay.

**Article 4 Renewal, Termination, and Amendment:**

This memorandum shall become effective from its signing date and shall be in force until March 31, 2024. Either institution may, by giving six months' written notice to the other institution, terminate this memorandum of understanding. In the absence of such an early termination, the renewal of this agreement shall be discussed by the both institutions no less than six months prior to the natural termination of the current memorandum of understanding.

**Article 5** This memorandum is to be executed in English and each university shall retain copy.

Date: 27 February 2017

Date: Feb. 20, 2017



Toshihiro TANAKA

Dean

Graduate School of Engineering

Osaka University



Xiaohui QIU

Director

National Center for Nanoscience and

Technology, Chinese Academy of Sciences

**AGREEMENT ON ACADEMIC EXCHANGE  
BETWEEN  
GRADUATE SCHOOL OF ENGINEERING  
OSAKA UNIVERSITY  
AND  
NATIONAL CENTER FOR NANOSCIENCE AND TECHNOLOGY  
CHINESE ACADEMY OF SCIENCES**

The Dean of the Graduate School of Engineering, Osaka University, Japan and the Director of National Center for Nanoscience and Technology, Chinese Academy of Sciences, China, with the objective of promoting cooperation in the fields of education and academic research, agree to conclude the following agreement on academic exchange.

**Article 1**

Both institutions agree to promote the following activities so as to enhance their education and academic research in the necessary fields:

- (1) Activities such as collaborative research, lectures, symposiums, etc., and the exchange of researchers pertaining thereto;
- (2) The exchange of information and materials in those fields, which are of interest to both institutions;
- (3) The exchange of graduate students.

**Article 2**

Specific matters pertaining to the implementation of the exchanges between both institutions shall be negotiated and agreed upon between parties concerned in each specific case and may be stipulated in writing.

**Article 3**

Both institutions shall try to resolve any matters arising from activities between parties concerned amicably.

**Article 4**

This agreement shall become effective on the date of its signing by the representatives of both institutions and shall be in force until March 31, 2024.

**Article 5**

This agreement is subject to revisions by mutual written consent.

**Article 6**

Either institution may, by giving six months' written notice to the other institution, terminate this agreement. However, the termination of this agreement shall not affect the implementation of the collaborative activities established under it prior to such termination.

**Article 7**

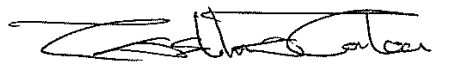
In the absence of any such early termination, the renewal of this agreement shall be discussed by both institutions at least 6 months prior to the natural termination of the current agreement.

**Article 8**

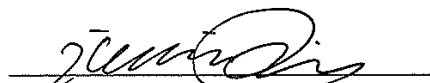
This agreement is to be executed in English and each institution shall retain an original copy.

Date: 3 February, 2017

Date: Feb. 20, 2017



Toshihiro TANAKA  
Dean  
Graduate School of Engineering  
Osaka University



Xiaohui QIU  
Director  
National Center for Nanoscience and  
Technology, Chinese Academy of Sciences