



TOHOKU
UNIVERSITY

Strategic Energy and Resource Management and Sustainable Solutions
Graduate School of Environmental Studies
Tohoku University JAPAN
国際エネルギー・資源戦略を立案する環境リーダー育成拠点
東北大学大学院環境科学研究科



Tohoku University JAPAN
Xi'an University of Architecture and Technology CHINA

The 3rd International Symposium of Environmental Leader

第3回環境リーダー国際シンポジウム

DATE Monday, November 12, 2012
TIME 09:00-17:20
VENUE Xi'an University of Architecture and Technology
College of Environmental Science and Municipal Engineering
Xi'an University of Architecture and Technology
No. 13 Yanta Road, Xi'an, Shaanxi Province, P.R. China
ADMISSION Free
LANGUAGE English
ORGANIZERS Tohoku University Environmental Leadership Program
Xi'an University of Architecture and Technology

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URL | <http://www.kankyo.tohoku.ac.jp/sermss/en/index.html>

PROGRAM

Facilitator: Yasumitsu TANAKA, Professor, Graduate School of Environmental Studies, Tohoku University

09:00 Opening Addresses

Kazuyuki TOHJI, Dean, Graduate School of Environmental Studies, Tohoku University

Ting-lin HUANG, Dean, School of Environmental and Municipal Engineering,
Xi'an University of Architecture and Technology

09:20 Keynote Speeches

Koujun YAMASHITA, Program Officer for the Strategic Funds for the Promotion of
Science and Technology of MEXT

Rethinking our ways to build sustainable water and wastewater systems for cities of the future

Xiao-chang WANG, Vice President, Xi'an University of Architecture and Technology

New challenges in wastewater treatment technology for low carbon and resource recovery

Yu-You LI, Associate Professor, Graduate School of Environmental Studies (Tohoku)

10:50 Break

11:00 Student Presentations Morning Session

- 1 Assessment of optimum temperature for hydrogen fermentation from cellulose

Samir Ibrahim GADOW (Tohoku)

- 2 Understanding of PVDF ultrafiltration membrane fouling behavior by model solutions and secondary wastewater effluent

Rui MIAO (Xi'an)

- 3 Mechanical properties of solid oxide fuel cells components at high temperature

Yoshikazu SHIRAI (Tohoku)

12:00 Lunch Break

13:40 Student Presentations Afternoon Session

- 4 Characteristics of nitrogen fixation in the process of aerobic composting for feces disposal and fertilizer production

Qian. LI (Xi'an)

- 5 The impact of climate factor on agricultural trade

Takafumi MATSUZAKI (Tohoku)

- 6 The new water-lifting aerator technology for water quality improvement of Shibiyanu reservoir

Xuan LI (Xi'an)

- 7 Recovery of organic and inorganic materials by thermal decomposition of metal-containing poly(ethylene terephthalate)

Shogo KUMAGAI (Tohoku)

- 8 Application of real-time PCR for studying the behavior of bacterial and viral pathogens in the process of wastewater treatment and reuse

Jinhong ZHOU (Xi'an)

15:20 Poster Sessions

The impact of climate factor on agricultural trade

Takafumi MATSUZAKI (Tohoku)

Do people adapt to natural disaster?— Evidence from econometric analysis —

Hiroki ONUMA (Tohoku)

Comparative studies on excitation of iron ionic lines between argon and neon low pressure laser induced plasma

Lei ZHANG (Tohoku)

Strategies of rapid start-up and some inhibitory factors of ANAMMOX process in UASB reactors

Yanlong ZHANG (Tohoku)

Effect of antibiotics on nitrification in wastewater treatment system

Chao TANG (Tohoku)

Incentives that prompt commuters to take subways before morning peak in Beijing

Zheng ZHANG (Tohoku)

15:50 Student Presentations

- 9 Rise of wind power in China and its implication to global environmental security

- Localization of wind turbine manufacturing industry

Yan ZHANG (Tohoku)

- 10 Nitrogen loss in anaerobic digesters

Wenbo LIU (Xi'an)

- 11 Strategies of rapid start-up and some inhibitory factors of ANAMMOX process in UASB reactors

Yanlong ZHANG (Tohoku)

- 12 Effect of anoxic zone on sludge settleability and bacterial community in a denitrifying-nitrifying activated sludge system

Xi CHEN (Xi'an)

17:10 Closing Address

18:00 Dinner - Banquet

Tianyu Gloria Plaza Hotel 天域凯莱大酒店 (15 Yanta North Road, Xi'an)