



The 7th International Symposium on
East Asian Resources Recycling Technology

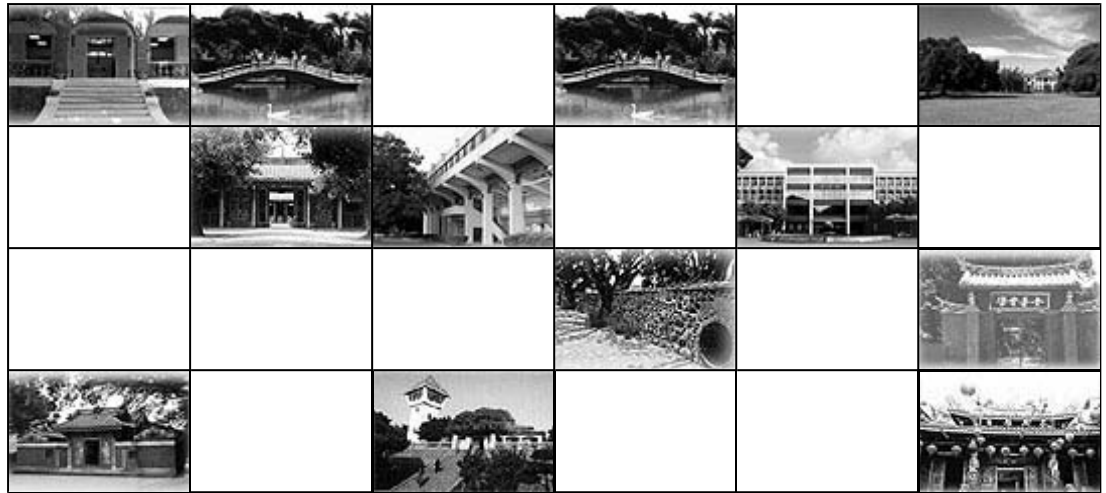
Organized by
Resource Recycling and Management Research Center
National Cheng Kung University

The Chinese Institute of Mining and Metallurgical Engineers

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The 7th International Symposium on East Asian Resources Recycling Technology



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Organized by

Resource Recycling and Management Research Center, National Cheng Kung University
The Chinese Institute of Mining and Metallurgical Engineers



November 10-14, 2003
Tainan, Taiwan

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INVITATION

After the rapidly economic growth and resources over-consumption, the eastern Asia region confronts with a serious environmental impacts and resources shortage. To establish national and global system for the minimization of waste and consumption of material and energy, encouragement of reuse, recycling and further development of innovative technology for improving recycling efficiency is necessary.

Based on the success of the last six International Symposia on East Asian Resources Recycling Technology, the organizing committee has planned to hold the seventh International Symposium in Tainan, Taiwan in November 10-14, 2003. The theme of this symposium is achieving sustainable development via resource recycling technology. This upcoming meeting will offer an excellent opportunity to participants from all over the world and local communities in Taiwan. The participants could exchange their most recent information, knowledge and research works of resources recycling in this symposium.

The symposium will be held at Tainan, the oldest city in Taiwan. There are many remains and historic sites in the city. Besides the technology discussions, all participants could enjoy the historic culture atmosphere and the kindness of local residents in the period of the symposium.

On behalf of the Resource Recycling and Management Research Center, National Cheng Kung University (RRMRC, NCKU) and The Chinese Institute of Mining and Metallurgical Engineers (CIMME), I am glad to invite you to attend this Recycling Symposium (Earth 2003), and enjoy the historic cultural environment.

Min-Shing Tsai (蔡敏行)
Chairman of EARTH 2003



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ORGANIZATION

MEMBERS OF THE INTERNATIONAL ORGANIZING COMMITTEE OF THE SYMPOSIUM

Chairman	Min-Shing Tsai	National Cheng Kung University
Committee Members	Jong-Kee Oh	Korean Institute of Science & Technology
	Chuan Fu Zhang	Central South University of Technology
	Masami Tsunekawa	Hokkaido University
Honorary Member	Taneomi Harada	Waseda University
	Jae Hyun Oh	Korean Institute of Resources Recycling

STEERING COMMITTEE

Chairman	Juu-En Chang	Environmental Protection Administration
Vice Chairman	Shuh-Woei Yu	Industrial Technology Research Institute
	Ching-Yuan Chang	National Taiwan University
Secretary	Li-Hsing Shih	National Cheng Kung University

ORGANIZER

Resource Recycling and Management Research Center, National Cheng Kung University

The Chinese Institute of Mining and Metallurgical Engineers

CO-ORGANIZER

The Mining and Material Processing Institute of Japan

The Korean Institute of Resources Recycling

China Nonferrous Metals Industry Association



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PROGRAM (Temporary)

Time	Date	11/9 (Sun)	11/10 (Mon)	11/11 (Tue)	11/12 (Wed)	11/13 (Thu)	11/14 (Fri)
8:00~8:30			Registration	Registration	Technical Tours		
8:30~10:00			Open Ceremony Plenary Speech 1,2	Oral Sessions			
10:00~10:30			coffee break	coffee break			
10:30~12:00			Plenary Speech 3,4,5	Oral Sessions			
12:00~13:00			Lunch	Lunch			
13:00~14:30			Oral Sessions	Oral Sessions			
14:30~15:00			coffee break	coffee break			
15:00~16:30		Registration	Oral Sessions	Oral Sessions			
16:30~18:30			poster Sessions	poster Sessions			
18:30~21:30		Welcoming Reception		Banquet			



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TOPICS

Theme: Achieving sustainable development via resource recycling technology

1. Innovative technology for resources recycling of wastes.
2. Practice for resource recycling technology of wastes.
3. Management system and economic evaluation for resource recycling.
4. Issues of resource recycling laws and regulations.
5. Reduction of toxicity of wastes and wastewater.
6. Innovative technology for thermal recycling.



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CALL FOR PAPER

CALL FOR PAPERS OR POSTERS

1. Papers should not have been published or offered for published elsewhere.
2. Abstracts should be submitted before **February 28, 2003** by fax or e-mail and written in **English** (Software: WORD97/WORD2000). Abstracts should be sent to the **Secretariat of Earth 2003** with the attached "**Abstract Submission Form**" and **NOT EXCEED ONE PAGE (A4 size)**.
3. Authors will be informed the acceptance of abstracts and the complete instructions for paper layout by **March 31, 2003**.
4. Full papers for both oral and poster presentations must be submitted before **August 31, 2003** by e-mail or hard copy (software: WORD97/WORD2000).

PROCEEDINGS

The accepted papers will be published as the symposium proceedings. Each registered participant will receive a free copy of the proceeding.

LANGUAGE

English should be used for both oral and written presentations.

TECHNICAL EXHIBITION

A technical exhibition regarding recycling products and programs will be held at the Symposium site. If you interest the exhibition, please contact the secretariat directly.

Booth Size: 3m x 3m

Participation Fee: US\$500

IMPORTANT DATES

Abstract Submission Due:	February 28, 2003
Notification of Paper Acceptance:	March 31, 2003
Preliminary Program & Form:	May 31, 2003
Full Manuscript Submission Due:	August 31, 2003
Early Registration Due:	August 31, 2003
Hotel Reservation Due:	September 30, 2003



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REGISTRATION

Classification	Early Registration Full Paid till August 31, 2003	After August 31, 2003
Regular Participant	\$350	\$400
Student	\$150	\$150
Accompanying Person	\$150	\$150



TOUR

TECHNICAL TOUR INFORMATION (Temporary)

Tour 1: Southern Taiwan (3 days)

Date : Nov. 12-14.

Course:	Nov. 12:	Tainan Lui-hwa Co. (Waste Car Recycling) Bowet Co. (Electric appliances Recycling) China Hi-Ment Corp.(Slag Recycling) South Star Project (Slag Landfill) Kaohsiung
	Nov. 13:	Kaohsiung I-hwa Co. (Tire Recycling) Zu-shon (Wire Recycling) Geo-fa Co. (Computer Recycling) Kao-lu Co. (Aluminum Recycling) Kenting
	Nov. 14:	one day tour of Kenting

Tour 2: Northern Taiwan (2 days)

Date : Nov. 12-13

Course:	Nov. 12:	Tainan TSU Co. (Steel ash Recycling) Fu-I Chemisty Co. (catalyst Recycling) Hsinchu
	Nov. 13:	Hsinchu Industrial Technology Research Institute (Recycling Research) Chung Tai Resource Tech. Corp. (fluorescent lamp recycling) E&E Recycling (Electric appliances Recycling) Chia-long Tech. Co. Taipei

Tour 3: Southern Taiwan (1 day)

Date : Nov. 12

Course:	Nov. 12:	Tainan Lu-gen (Electric appliances Recycling) Sun-Chi Co. (Computer Recycling) Chin-Chung Co. (Wire Recycling) Tai-Ming Co. (Lead Battery Recycling) Kaohsiung Tainan
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ACCOMPANYING PERSON'S TOUR PROGRAM (Temporary)

Nov. 10, Full day city Tour (Lunch included)

OPTIONAL TOUR PROGRAM (Temporary)

Half-day Tour

1. Nov. 10 14:00~17:00

Cheng Kung University/Cheng Kung Lake/Banyan Garden/ Kai Yuan Temple/Great East City Gate Tower

2. Nov. 11 14:00~17:00

Chin-kan Tower / Ta Tien Hou Temple / Chi Tien Wu Temple

Full-day Tour

1. Nov. 10, 10:00~17:00

Downtown Area: Chin-kan Tower / Ta Tien Hou Temple / Chi Tien Wu Temple / Tainan Confucius Temple / The Five Concubines Temple

2. Nov. 11, 09:30~17:30

An-pin Area: Remains of Taiwan City / Erkunshen Cannon Fort



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HOTEL INFORMATION

Name of Hotel	Room Type	Discounted Room Rate
TAYIH LANDIS (Venue) http://www.tayihlandis.com.tw	Double/Twin	NT\$ 3,700
	Single	NT\$ 3,400
Hotel Tainan www.hotel-tainan.com.tw	Double/Twin	NT\$ 2,640
	Single	NT\$ 2,376
Hotel Dynasty Tainan www.hotel-dynasty.com.tw/htdocs/tainan/index-c.html	Double/Twin	NT\$ 2,310
	Single	NT\$ 2,100
Cambridge Hotel www.cambridge-hotel.com.tw	Double/Twin	NT\$ 2,080
	Single	NT\$ 1,760
La Plaza Hotel www.laplaza.com.tw/enter.php	Double/Twin	NT\$ 2,040
	Single	NT\$ 1,560
Premier Hotel www.premier.com.tw	Double/Twin	NT\$ 1,720
	Single	NT\$ 1,280

* The above room rates include one person's breakfast, and 10% service charge.

* * US\$1 NT\$35 (Nov., 2002)



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TRAVEL INFORMATION

ACCESS TO VENUE

There are two international airports, CKS airport and Kaohsiung Hsiao-Kang airport, in Taiwan. The distances from CKS airport and Kaohsiung Hsiao-Kang airport to Tainan are 300km and 50km, respectively. The better way to arrive Tainan is via Kaohsiung Hsiao-Kang airport to Tainan by shuttle bus. If you enter Taiwan at CKS airport, you have two options, (1) taking the shuttle bus to Tainan (2) taking the shuttle to Taipei and via domestic airline to Tainan.

TAINAN

Tainan, the ancient capital of Taiwan, is located on the southwestern coastal plain of the island. The climate is warm year-round. It is the island's oldest and now fourth largest city, with a population in excess of 700,000. The gentle-natured people of the city are warmly hospitable, and the relatively tranquil life there seems far removed from the hustle and bustle of modern urban life. With its long history, Tainan is rich in historic sites and cultural heritage.

WEATHER

The average temperature of Tainan in November is 18-23°C(64-73°F).

FOREIGN CURRENCY EXCHANGE

The unit of Taiwanese currency is New Taiwan dollar. The exchange rate of US\$ to NT\$ in November, 2002 is approximately 35. Currencies of major nations, bank notes, and traveler's checks can be exchanged in Taiwan. Major credit cards will be accepted by hotels, department stores and restaurants.

INSURANCE

It is advisable that participants have an adequate travel and/or health insurance before leaving their country.



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FURTHER ANNOUNCEMENT

The schedules of announcements of this symposium were shown as follow:

1. First circular: October 23, 2001.
2. Second circular: November 15, 2002.
3. Third circular: May 31, 2003.
4. Final circular: October 15, 2003.

ENQUIRIES

Professor Li-Hsing Shih

Secretariat

The seventh International Symposium on East Asia Resources Recycling and Technology (EARTH 2003)
Resource Recycling and Management Research Center, National Cheng Kung University (RRMRC, NCKU)

Tainan City, TAIWAN 70101, Republic of China

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E-mail add.: rrmrc@ckmail.ncku.edu.tw

<http://www.ncku.edu.tw/~rrmrc>

Abstracts Submissions Form

Paper Title			
Primary Author		Co-Author	
Organization		Organization	
Postal Address		Postal Address	
E-mail Address		E-mail Address	
Tel. No.		Tel No.	
Fax No.		Fax No.	