

The Korean Institute of Resources Recycling

The leading academic society of resources recycling technology





KIRR realizes a sustainable and clean society through the development of resources recycling technology and international cooperative network.

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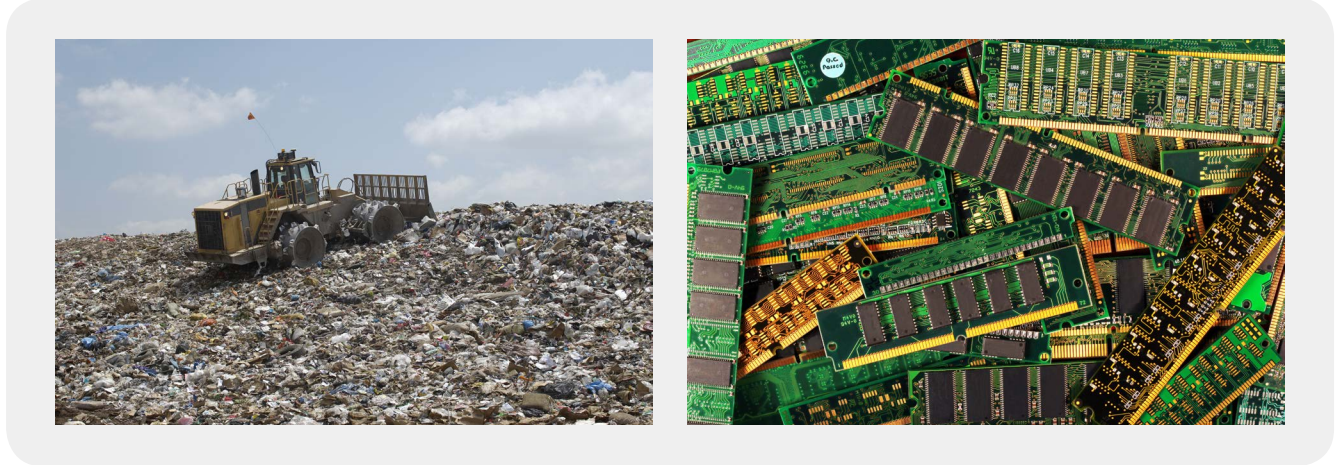
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The Foundation of KIRR and It's Inaugural Assemble

In the spring of 1990, an international organizing committee was formed with 4 founder members including Hadara Daneumi —a professor of Waseda University, Japan—, who suggested the foundation of the organization first, Tsai Minshing —a profession of National Cheng Kung University, Taiwan—, Zhang Chuanfu —a professor of Central South University, China—, and professor Oh Jae-hyun. They agreed that the 1st International Symposium of Eastern Asia Resources Recycling would be held in Tokyo, Japan in November 1991 and following symposiums will be hosted every two years in the countries of the organizing committee members (in turn) in the order of seniority. According to the agreement, the second international symposium was held in Seoul in 1993. In the spring of 1991, The Korean Institute of Resources Recycling (KIRR) was first organized for the preparation of the 1st International Symposium of Eastern Asia Resources Recycling (EARTH'91) as well as for the 2nd one in Seoul. And on June 3, 1992, a resources recycling forum was held at Yonsei University for the establishment of an academic society and preparation for EARTH'93.

At last, the 2nd International Symposium of Eastern Asia Resources Recycling (EARTH'93) and the inaugural assembly of KIRR were held in Allen Hall (Yonsei University) on June 18, 1992. In the inaugural assembly where about 120 attended, the directors were elected and the purpose of the society was announced: it has the purpose of researching and developing the recovery technology of valuables from secondary resources; devoting itself to resource saving and prevention of environmental pollution; and thus contributing to human societies. The foundation of KIRR was widely covered and promoted in many daily newspapers on that day. KIRR had its office in the laboratory of material engineering (chairman Oh Jae-hyun's research office) belonging to the Department of Metallurgical Engineering, Yonsei University, and hired Hong In-ok as a staff. On October 14 of the same year, KIRR acquired permission to establish itself as corporation aggregate from Minister of Commerce and, and completed its registration in a court on October 30. On November 19, 1992, KIRR completed business registration in a tax office and received a business identification number.

It also submitted its identity as a sub-academy circle of Department of Metal to the Minister of Commerce and Industry. It was possible thanks to department head Jeong Hae-jin and section chief of steel manufacturing Hwang Woo-taek, who were in a good relationship and cooperation with us. Not long after, the supervising authority shifted to the department of industry arrangement and environment (led by department head Lee Won-gul) in the Minister of Commerce and Industry. Mr. Lee was very thoughtful and friendly. He also made a special presentation in 1992 regular general assembly (December 5, 1992) with the title of "Industrial Development and Recycling Measures". Later, he promoted up to the Vice-Minister of Commerce and Industry and became the president of Korea Electric Power Corporation.



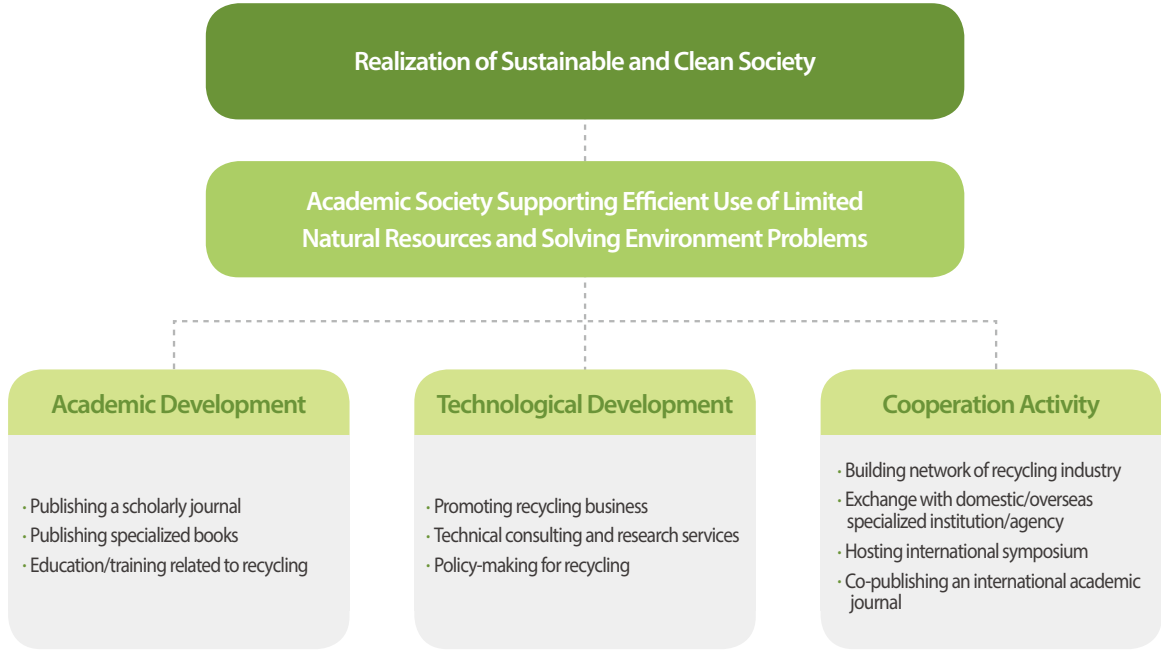
Background: The Korean Institute of Resources Recycling (KIRR) is an academic society that teams up with domestic experts in various industries, research institutes, and universities who fully recognize the importance of resource conservation and prevention/treatment of environmental pollution by waste. KIRR has the purpose to recognize the importance of resource recycling to the nation and society through academic and technological exchange and spread the R&D achievements of members.



: EARTH'91 (Nov. 5, 1991) Delegates from Korea in Waseda University, Japan
Kuk Nam-pyo (Chonnam National Univ.), Pyo Jae-ho (POSCO),
Ko Yoon-hwa (Former Section Chief, Ministry of Environment Section Chief; Currently
Director of Weather Station), Song Jae-hong (Yubong Construction Co.),
Oh Jong-ki (KIST), Shin Hyung-ki (RIST), Won Chang-whan (Chungnam National
Univ.), Lee Gun-won (Korea Industrial Safety Education), Park Hyung-gyu (KIGAM),
Kim Seok-whan (Hyundai Development Company), Lee Song-whui (KIST),
Shin Bang-seop (Chonnam National Univ.), Kim Young-ki (Korean Entrepreneur in
America), Oh Jae-hyun, Do Gap-su (Soongsil Univ.)



An interview in the inaugural assembly of KIRR in Allen Hall,
Yonsei University on June 18th, 1992



History & Achievements

Established The Korean Institute of Resources Recycling (KIRR)

1991

1992

- Held KIRR Inaugural Assembly
- Published the First Newsletter
- Hosted the 1st Academic Conference
- Published 'Resources Recycling' (Issue 1, Vol. 1)

1993

Co-Hosted the 2nd International Symposium of Eastern Asia Resources Recycling (Seoul)

1994

Opened 'The Class of Recycling Waste Home Applicates and Waste Vehicle'

1995

Held the 1st Iron Oxide Subcommittee Workshop

1996

- Held Korea-Japan Joint-Workshop for Resources Recycling
- Held Korea-America Joint-Workshop on Resources Recycling

1997

- Published 'Resources Recycling Library (I)'
- Held 'Japanese Recycling Industry' Workshop

1998

Held 'Symposium on Resources Recycling Promotion of Packing Waste'

1999

Publish 'Recycling White Paper'

2000

'Journal of the Korean Institute of Resources Recycling' selected as candidate journal to register in National Research Foundation of Korea

2001

Hosted the 6th International Symposium of Eastern Asia Resources Recycling (Kyungju)

2002

Held Joint-Workshop for Use and Recycling of Nonferrous Metal Resources

2003

Held the 1st Automobile Recycling Symposium

1991

1992

1993

1994

1995

1996

1997

1998

1999

2000

2001

2002

2003



2004

· 'Journal of the Korean Institute of Resources Recycling' selected as regular journal registered in National Research Foundation of Korea

· Published 2004 Recycling White Paper

· Hosted GRAMAR2004 (Seoul)

(International Symposium on Green Technology for Resource and Materials Recycling 2004)

2005

Held Inorganic Resources Recycling Subcommittee Workshop 'Particle Recycling Technology from Waste Resources'

2006

Held Special Symposium on Polymeric Recycling

2007

The 4th Korea-Japan International Symposium on Material Science and Resource Recycling

2008

· Korea-China-Japan Tripartite International Symposium on Recycling of Waste Agricultural Plastic Film

· Held Symposium on Construction Material Recycling Technology To Cope With Climate Change

2009

· International Symposium on EAF Dust Recycling for Green Growth

· Hosted the 10th International Symposium of Eastern Asia Resources Recycling (JeJu)

2010

The 8th Korea-Japan International Symposium on Material Science and Resource Recycling

2011

Held Symposium 'Today and Tomorrow of Automobile Recycling'

2012

Industrial Field Trip to Resource Regeneration Association, Taiwan

2013

Held Symposium 'Progress and Challenge of Automobile Recycling'

2014

Provided 6 Classes of Recycling Education for the Employees of LS Nikko Copper Inc.

Published 2014 Recycling White Paper

2015

Hosted '2015 Resource Development and Future'

2016

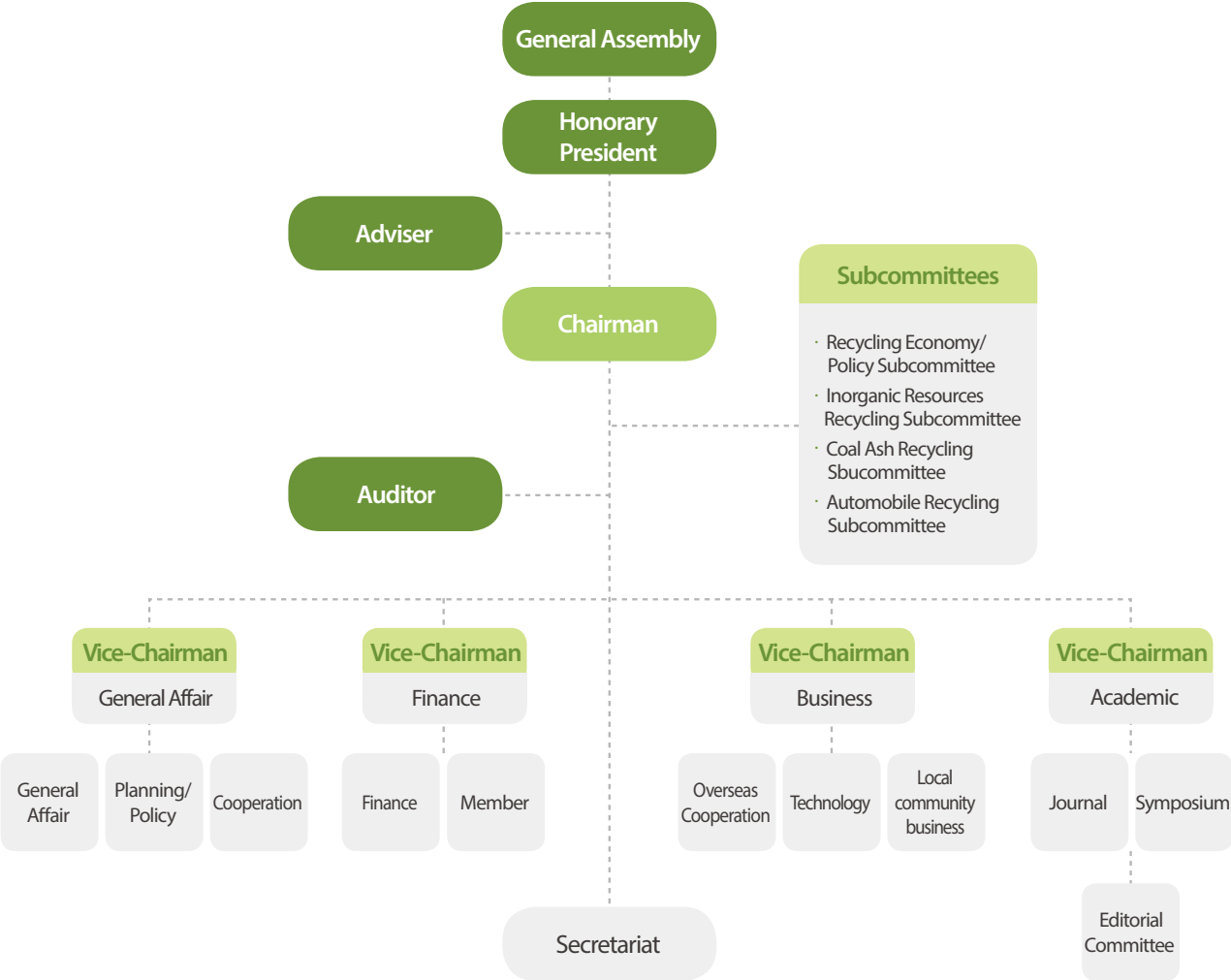
The 14th Korea-Japan International Symposium on Material Science and Resource Recycling

2017

25th Anniversary, The 2017 Spring Meeting and 48th Conference Special Sym. On the Material Manufacturing Technology for The Activation of the Recycling of Rare Metals



Vision & Purpose



Subcommittees

Recycling Economy/Policy Subcommittee
Inorganic Resources Recycling Subcommittee
Coal Ash Recycling Sbucommittee
Automobile Recycling Subcommittee
East Asian Resources Recycling International Organizing Committee (Special committee)

Board of Directors
(2017~2018)

President		Sohn, Ho Sang	Kyungpook National University		
Vice-President		Ahn, Ji Whan Lee, Man Seung Lee, Hyoung Woo Ahn, Jong Gwan	Korea Institute of Geoscience and Mineral Resources Mokpo National University Hanil Cement Co., Ltd. Jungwon University		
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	Cho, Kye Hong	Korea Institute of Limestone and Advanced Materials		Lee, Chung Kook	Climate Change Research Institute of Korea
Symposium	Park, Jai Koo	Hanyang University	Domestic Cooperation	You, Kwang Suk	Korea Institute of Geoscience and Mineral Resources
	Yoo, Kyoung Keun	Korea Maritime and Ocean University		Moon, Nam Il	Young Poong Co., Ltd.
	Lee, Jin Young	Korea Institute of Geoscience and Mineral Resources		Yu, Jeong Soo	Tohoku University
	Cho, Hee Chan	Seoul National University		Jeon, Ho Seok	Korea Institute of Geoscience and Mineral Resources
Technology	Park, Ji Hwan	MTIG. Co., Ltd.	Local Community Business	Kim, Sun jung	University of Ulsan
	Sohn, Jeong Soo	Korea Institute of Geoscience and Mineral Resources		Park, Joo Hyun	Hanyang University
	Jang, Young Do	POSCO		Lee, Jae Young	RIST
				Lee, Jong Hyeon	Chungnam National University
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		Choi, Woo Zin	The University of Suwon		
		Park, Hyung Kyu	Korea Inst. of Geoscience and Mineral Resources		
		Ahn, Jae Woo	Daejin University		

Activities



Annual Conferences

The leading academic conference that publishes about 100 scholarly papers every year in the field of resources recycling, held twice a year (spring and fall)



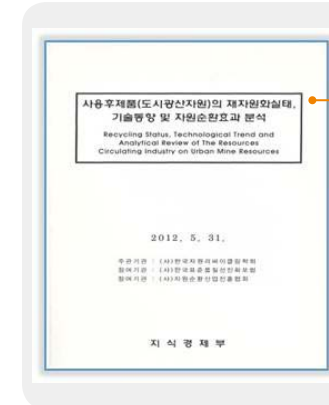
Hosting International Symposium

International Symposium of Eastern Asia Resources Recycling (EARTH), Co-hosting international coop-symposium targeting East Asian countries such as Korea-Japan International Symposium on Material Science and Resources Recycling



Holding Special Workshop and Subcommittee Workshop

Iron Oxide Subcommittee Workshop Symposium on Resources Recycling Promotion of Packing Waste Joint-Workshop for Use and Recycling of Nonferrous Metal Resources Automobile Recycling Symposium Particle Recycling Technology for Waste Resources International Symposium On EAF Dust Recycling for Green Growth Held Symposium on Construction Material Recycling Technology To Cope With Climate Change



Policy Support and Academic Research Services

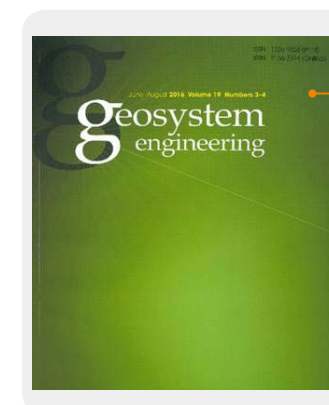
Conducts preliminary studies to help the government make policies related to recycling Performs various research services on demand of the government, business, and industry (successfully completed a total of 33 projects as of 2017)



Publication of Academic Journal (Korean)

Journal of The Korean Institute of Resources Recycling (ISSN 1225-8326)

- Published the first issue (September 1992)
- Published 4 Issues/year and a total of 122 academic papers (1993-1997)
- Published 5 Issues/year and a total of 71 academic papers (1998-1999)
- Published 5 Issues/year (2000)
- Published A total of 25 volumes, 134 issues, and 1070 papers (as of 2016)



Publication of Academic Journal (English)

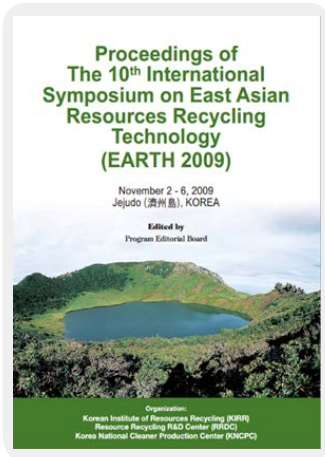
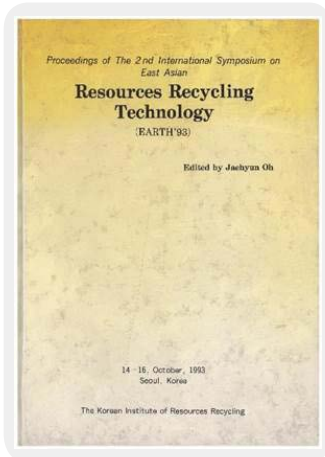
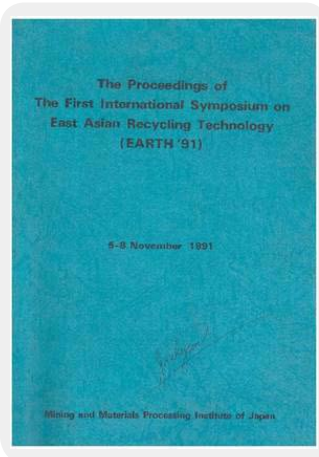
Geosystem Engineering (ISSN 1226-9328)

- Co-published The Korean Institute of Resources Recycling, The Korean Institute of Mineral and Energy Resources Engineers, Korean Society for Rock Mechanics, and Korean Society of Exploration Geophysicists
- 6 issues/year
- The Korean Institute of Resources Recycling joined the English journal publication from its March edition, 2000, and has continually contributed to journal publication business with the academic output regarding resources recycling.

International Cooperation

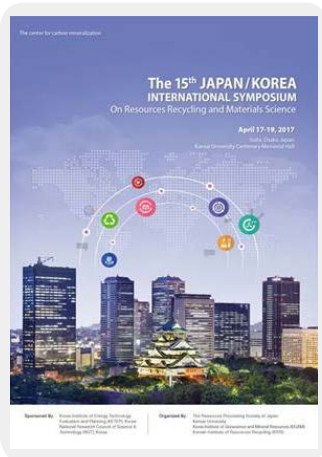
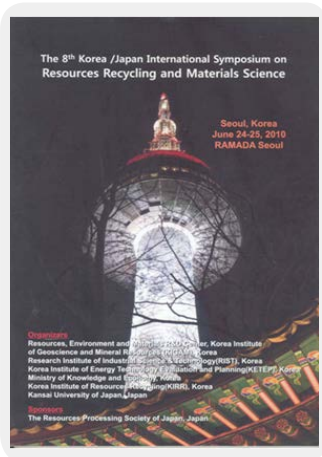
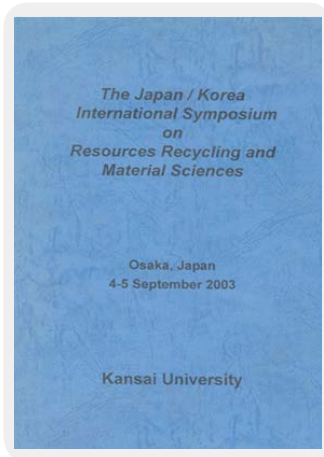
International Symposium on East Asian Resources Recycling Technology (EARTH)
Co-Hosted by Korea, Japan, China, Taiwan, and Thailand

History	Hosting Year (Date)	Hosting Country (City)	Venue
1 st	1991. 11.5-11.8	Japan (Tokyo)	Waseda University
2 nd	1993. 10.14-10.16	S. Korea (Seoul)	Swiss Grand Hotel
3 rd	1995. 11.21-11.24	Taiwan (Taipei)	Taipei Howard Plaza Hotel
4 th	1997. 9.1-9.4	China (Kunming)	Kunming Hotel
5 th	1999. 6.15-6.17	Japan (Tsukuba)	Tsukuba Research Center
6 th	2001. 10.23-10.25	S. Korea (Kyungju)	Hilton Kyungju Hotel
7 th	2003. 11.10-11.14	Taiwan (Tainan)	Tayih Landis Hotel
8 th	2005. 11.9-11.15	China (Beijing)	Days Hotel & Suites Beijing
9 th	2007. 10.29-11.2	Japan (Sendai)	Kokusai Hotel
10 th	2009. 11.2-11.6	S. Korea (Jeju)	Ramada Plaza Cheju Hotel
11 th	2011. 10.31-11.4	Taiwan (Kaohsiung)	The Splendor Hotel
12 th	2013. 11.3-11.7	China (Zhangjiajie)	Sunshine Hotel & Resort
13 th	2015. 11.1-11.5	Thailand (Pattaya)	Pattaya Dusit Thani Hotel



The Korea/Japan International Symposium on Resources Recycling and Materials Science
Co-Hosted by Korea and Japan)

History	Hosting Year (Date)	Hosting Country (City)	Venue	No. of Papers Presented
1 st	2003. 9.4-9.5	Japan (Osaka)	Kansai University	51
2 nd	2004. 12.20-12.22	S. Korea (Danyang)	Daemyeong Condominium	48
3 rd	2006. 1.12-1.13	Japan (Tsukuba)	Tsukuba	42
4 th	2007. 3.8-3.10	S. Korea (Jeju)	Lotte Hotel	65
5 th	2007. 12.20-12.22	Japan (Kitakyushu)	Kitakyushu International Conference Center	70
6 th	2008. 11.20-11.21	S. Korea (Pohang)	Research Institute of Industrial Science and Technology, Pohang	40
7 th	2009. 12.15-12.18	Japan (Kyoto)	Kyoto Garden Palace	68
8 th	2010. 6.24-6.25	S. Korea (Seoul)	Ramada Seoul Hotel	60
9 th	2011. 5.30-6.1	Japan (Osaka)	Kansai University	75
10 th	2012. 5.28-5.30	S. Korea (Daejeon)	Daejeon Convention Center	126
11 th	2013. 6.17-6.19	Japan (Osaka)	Kansai University	66
12 th	2014. 4.17-4.19	S. Korea (Daejeon)	Korea Institute of Geoscience and Mineral Resources	59
13 th	2015. 5.13-5.15	Japan (Kyoto)	Kyoto Garden Palace	69
14 th	2016. 7.7-7.8	S. Korea (Incheon)	Gyeong Won Jae Ambassador	73
15 th	2017. 4.17-4.19	Japan (Osaka)	Kansai University	72



Publication of Recycling White Paper

Recycling White Paper (1999)

- Page: 440 (1999)
- Date of Publication: Nov. 30, 1999
- Publishing House: Mun Ji Sa



Recycling White Paper (2004)

- Page: 578 (2004)
- Date of Publication: Nov. 15, 2004
- Publishing House: Cheong Moon Kwak



Recycling White Paper (2009)

- Page: 592 (2009)
- Date of Publication: Mar. 30, 2009
- Publishing House: Cheong Moon Kwak



Recycling White Paper (2014)

- Page: 440 (2014)
- Date of Publication: Dec. 15, 2014
- Publishing House: S&M MEDIA
- Content:

A number of experts in the field of resources recycling participate in making the white paper, researching and analyzing the overall policies and the trends of recycling technology to lay out the direction in which recycling industry progresses. It also introduces domestic and overseas recycling policies and activities. In addition, it updates the particulars of recycling by item and industry to help picture the current status of generation, handling and disposal of wastes by kind, and the latest trend of technological development and outlook for resources recycling industry.



Publication of Specialized Books

Published PR booklets (e.g. 'Resources Recycling in Korea')
Published resources recycling-focused technical books (e.g. 'Japan's Recycling Industry', 'Urban Mine Resources and Recycling', etc.)

Book Title

Reality of Resources Recycling

- Page: 401
- Date of Publication: Aug. 30, 1994
- Publishing House: Dongwha Technology Publishing Co.

Book Title

Resources Recycling Library (1)

- Page: 311
- Date of Publication: Jan. 30, 1997
- Publishing House: Dongwha Technology Publishing Co.

Book Title

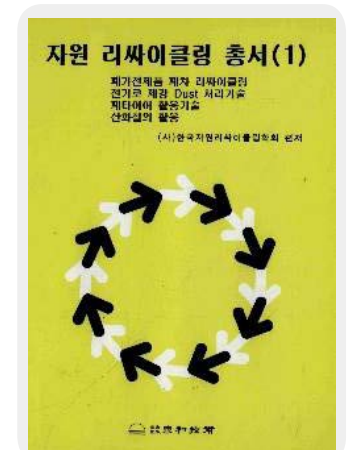
Japan's Recycling Industry

- Page: B5/395
- Date of Publication: Jan. 15, 1998
- Publishing House: Mun Ji Sa

Book Title

Urban Mine Resources and Recycling

- Author: Oh Jae-hyun (honorary president)
- Page: A5, 348
- Date of Publication: May 20, 2013
- Publishing House: Korea Steel News



Partner/Special Member Company

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GRM CO., LTD.	www.grm.co.kr
NEVEN CO., LTD.	www.gokh.co.kr
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NH RECYTECH COMPANY	www.nhrecytech.com
YOUNG POONG CORP.	www.ypzinc.co.kr
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PYRO METAL CO., LTD.	-
MTIG CO., LTD.	www.mtig.co.kr
DS LIQUID CO., LTD.	www.ds4u.co.kr
HENSEL RECYCLING KOREA LTD.	www.hensel-recycling.com

The 25th Anniversary



25th Anniversary,
The 2017 Spring Meeting and 48th Conference

2017.06.15 | Lotte City Hotel, Cheju City, S. Korea

Special Guests :
Prof. Junji Shibata (Kansai University, Japan)
Prof. Toyohisa Fujita(The University of Tokyo, Japan)

History of KIRR's 25 Years



1992.06

Preparatory Committee for
Inaugural Assembly of KIRR



2012

Industrial Field
Trip to Resource
Regeneration
Association, Taiwan



1996.11

Korea-America Joint-
Workshop on Resources
Recycling



2001.05

Outdoor Social
Gathering During
Fall Joint-Symposium



2014.11

Class of Recycling Education for the
Employees of LS Nikko Copper Inc.



2016.03

Industrial Field Trip to
Kyushu, Japan



2016.06

In Front of the Venue of Fall
Symposium



History of KIRR's 25 Years (International Cooperation)



1993.10

EARTH1993,
Seoul, Korea



2013.11

EARTH2013,
Jangjiagi, China



1997.09

EARTH1997,
Kunming, China



2001.10

EARTH2001,
Kyungju, Korea

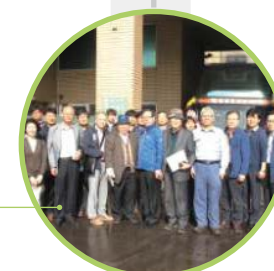
2006.03

India-Korea Mineral
Processing
Technology(MPT2006)



2015.11

EARTH2015,
Pataya, Thailand



2017.02

Overseas Field Trip to
Taiwanese Recycling
Industry

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