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IMPORTANT EVENTS

Welcome Reception

- Date and Time : Nov. 3, 2010, 5:00PM - 7:00PM
- Location: Hansangeun Lounge(百週年紀念館) 7F
- Cocktail party with light foods and drinks
- This reception is free for participants who have completed standard registration

Opening Ceremony

- Date and Time : Nov. 4, 2010, 2:00 PM - 2:30 PM
- Location: Samsung Convention Hall (201室)
- Opening address
- Welcoming address

Conference Banquet

- Date and Time : Nov. 4, 2010, 6:30 PM - 9:30PM
- Location: HAN River Buffet-Cruise, near Yeouinaru Subway Station
- Official dinner buffet for booked participants
- Official nametag is required for admission



개 회 사



새로운 10년을 준비하는 2010년에 한국환경분석학회 추계학술대회 및 한일공동학술대회에 많은 관심을 갖고 참여해주신 여러분께 감사의 말씀을 드립니다. 지난해 일본 츠쿠바에서 열린 한일공동학회에 이어 한국과 일본의 환경 전문가들이 다시 한자리에 모이게 되었습니다.

국경이 없는 환경을 대상으로 연구하는 우리는 전 지구적인 협력체계를 갖출 필요가 있습니다. 오늘 일본과 한국의 전문가들이 모여서 논의하는 것은 환경문제 해결에 있어서 세계적으로 주도적인 역할을 수행할 수 있는 기반을 다지는 일이 될 것입니다. 이번 학술대회는 양국의 연구자들이 모여 토론하는 자리로 한·일 양국이 동아시아의 환경연구를 선도하는데 한 걸음 더 전진할 수 있는 계기가 될 것으로 믿습니다.

일본의 모리타 회장님을 비롯하여 이 자리에 참여하여 주신 모든 분들께 다시 한 번 감사드리며, 이번 학술대회를 통해 큰 성과를 얻을 수 있기를 기대합니다. 감사합니다.

(사)한국환경분석학회 회장 오 정 진

新しい10年を向かう2010年に韓国環境分析学会秋季学術大会及び韓日共同学術大会に大きな関心を持ち参加されました皆さんに感謝を申し上げます。昨年日本の筑波で開かれた日韓共同学会につづき、韓国と日本の環境専門家だちがまた集まる事になりました。

国境のない環境を対象にして研究をする私だちはグローバルな協力システムを作る必要があります。今日、日本と韓国の専門家だちが集まり一緒に議論することは環境問題の解決において世界的な役割を果たすための基盤を整える事になると信じます。今回の学術大会は両国の研究者だちが討論する場になり、日・韓の両国が東アジアの環境研究を先頭するためにもう一歩進める切っ掛けになると信じます。

日本の森田会長を始めとした参加者の皆さんにもう一度感謝を申し上げます。この学術大会を通じて大きな成果を期待します。ありがとうございます。

(社)韓国環境分析学会 会長 吳 貞 鎮

開会の挨拶

今回、韓国環境分析学会と共同で行われる日韓シンポジウムが、韓国ソウルで、11月4日、5日にわたり行われることとなりました。日本から約80名の参加を得、また韓国から170名を越す参加を得て開催されることとなったことは大変喜ばしいことでもあります。御参加いただいた皆々様に心から御礼申し上げます。

有害化学物質等の測定と対策は、人の健康と環境をまもる上で重要な課題であり、また経済的発展と工業の発達をみているアジア諸国において緊喫の問題であります。

この分野で先進的な科学的知見と技術を有する韓国と日本が手を携えて、対策をとっていくこと、そしてその目的にむけて本シンポジウムが、そして参加者の人の輪が必ず役立つと信じております。シンポジウムの成功に向けて準備に多大な力をかけていただいた会長をはじめとする韓国の実行委員の皆々様、そして日本側の準備をしていただいた皆々様にお礼を申し上げます。



日本環境化学会会長 森田 昌敏

금번, 한국환경분석학회와 공동으로 개최되는 한일 심포지움이 한국의 서울에서 11월 4일, 5일에 걸쳐 개최하게 되었습니다. 일본에서는 약 80여명, 한국에서는 170여명이 넘는 참가자가 모이게 되어 매우 기쁘게 생각합니다. 참가하시는 모든 분들께 가슴 깊이 감사의 말씀을 드립니다.

유해화학물질 등의 측정과 대책은 사람의 건강과 환경을 보호하기 위한 중요한 과제이며, 또한 경제적 발전과 공업의 발달이 날로 이루어 지고 있는 아시아 국가들에 있어서 매우 중요한 문제이기도 합니다.

이 분야에서 선진적인 과학적 경험과 기술을 보유한 한국과 일본이 손을 맞잡고 대책을 강구해 나가며, 이러한 목적을 향해 본 심포지움과 참가자 여러분들이 중요한 역할을 할 것으로 믿습니다. 심포지움의 성공을 위하여 준비에 많은 수고를 해주신 회장님을 위시한 한국의 집행위원 여러분들, 그리고 일본측의 준비를 위해 애써주신 모든 분들께도 감사의 말씀을 드립니다.

일본환경화학회 회장 모리타 마사토시

환영사



결실의 계절인 가을을 맞이하여 숙명여자대학교에서 한국 환경분석학회와 일본 환경화학회의 공동주관으로 한·일 공동학술대회를 개최하게 된 것을 매우 기쁘게 생각합니다. 104년 전통의 우리나라 최초의 민족여성 사학인 숙명여자대학교는 세계를 향한 글로벌 리더십을 비전으로 하여 새로운 도약을 준비하고 있습니다. 그동안 우리대학은 환경보호와 쾌적한 학습 환경을 위한 친환경적인 캠퍼스 구성으로 지난 2003년 ISO 14001 인증을 받은바 있습니다.

또한 교내에 환경 연구를 위한 전문 연구시설을 갖추어 환경보호 및 연구에 선도적 역할을 하고 있습니다.

인간은 대기, 수질, 토양이라는 환경의 테두리 안에서 살고 있습니다. 이 중 어느 하나라도 파괴된다면 인류의 생존에 큰 위협을 받게 될 것입니다. 현재 환경은 여러 가지 형태로 경고를 주고 있습니다. 이미 전 세계적으로 이상 기후현상이 나타나고 있으며 환경오염으로 인하여 인류의 행복권이 위협받고 있습니다. 우리는 이러한 경고에 귀 기울이고, 환경이 더 이상 악화되지 않도록 노력해야 합니다.

환경보존을 위한 노력은 여기에 계신 환경 분석 연구의 전문가이신 여러분의 꾸준하고 열정적인 연구와 발전이 있어야 가능하다고 생각합니다. 연구의 결과뿐만 아니라 연구과정 자체가 인류와 자연이 공존할 수 있는 대안을 제시하고 오염된 환경의 복원을 위한 해결방안을 제시할 수 있으리라 믿습니다. 이번 한·일 공동학술대회가 활발한 연구 교류의 장이 되어 아시아의 환경 분석 연구에 초석이 되길 기원합니다.

끝으로, 학회를 준비하는 과정에서 수고하신 학회의 임원 여러분들과 숙명여자대학교 지구환경연구소 여러분의 노고에 감사드리며, 특히, 오늘 학술대회 연구결과를 발표하실 모든 분들의 노력과 열정에 깊은 감사를 드립니다. 다시 한 번 환경 분석 연구자 여러분들을 진심으로 환영합니다.

2010년 11월 4일
숙명여자대학교 총장 한영실

歓 迎 辞

実りの季節、秋を向かい、淑明女子大学校で韓国環境分析学会と日本環境化学会が共同で韓・日共同学術大会を開催する事を大変うれしく思っております。104年歴史を持ったわが国の最初の民族女性の私学である淑明女子大学校は世界を向けてグローバルリーダーシップをビジョンとし、新しい跳躍を準備しています。今まで我々の大学校は環境保護と快適な学習空間を作り上げ2003年 ISO14001 認定をもらいました。また、校内で環境分野の研究を進めるために専門的な研究施設を備え環境保護また研究分野で重要な役割を果たしています。



私たちは大気、水、土壌という環境の中で生きています。この中で何一つでも破壊されると人類は生存に大きな脅威にさらされる事になります。現在、環境はいろんな形で警告を与えています。すでに全世界には気候の以上現状が起きていると共に環境汚染により人類の幸福権は脅迫されています。私たちはこのような警告に耳を傾き、これ以上環境が悪くならないよう努力するべきだと思います。

環境保存のための努力はここに集まってくださった環境分析研究の専門家である皆さんの誠実なかつ情熱的な研究と発展があつてこそ可能な事だと思っております。研究の結果だけではなくその過程自体が人類と自然が共存する上で対案を提示し汚染された環境の復元のための解決方法を提案できると信じます。今回の日韓共同学術大会が活発な研究交流の場になりアジア環境分析研究の礎になる事を願います。

最後に、今回の学術大会の準備をしてくださった学会の方々、淑明女子大学校地球環境研究所の皆さんに、特に今日の学術大会で研究結果を発表する皆さんの努力と情熱に心から感謝をあげます。もう一度、環境分析の研究者の皆さん、歓迎します。

2010年 11月 4日

淑明女子大学校 総長 韓 榮 實

축 사



아름다운 계절 가을에 개최되는 한국환경분석학회 2010년 추계학술대회 및 제2회 한일공동심포지움을 진심으로 축하합니다. 오늘 이 심포지움에 참석하시러 한국에 오신 일본환경화학회원 여러분들을 환영하며, 이 심포지움을 개최하신 오정진 회장님과 학회 관계자 분들의 노고에 치하 드립니다.

환경분석학회 창립 당시에 봄이면 어김없이 찾아오는 황사, 소각장에서 발생하는 다이옥신, 수질오염으로 인한 음용수 문제, 각종 중금속 및 환경오염물질과 인체에 유해한 환경 호르몬 문제 등 수없이 많은 환경오염 요인들이 심각하게 대두되고 있었습니다. 이러한 사회적인 문제들에 대한 원인을 파악하고 해결책을 모색하여 대안을 제시하기 위한 학회를 설립하는 것이 좋겠다는 의견이 모아져서 뜻있는 학연산의 전문가들이 모여서 이 학회를 창설하게 되었던 것입니다. 1998년 6월 30일에 한국과학기술연구원에서 창립할 때가 엇그제 같은데 어느덧 12년의 세월이 지났습니다.

환경은 이제 세계인들의 가장 중요한 관심사가 되어 있습니다. 세계인들은 쾌적한 삶을 추구하고 있으며, 세계 각국은 경제성장의 핵심 축에 녹색성장을 두고 있고, 우리나라도 2008년 8월에 대통령께서 녹색성장을 국가성장동력으로 선언하시고 적극 추진하고 있습니다. 장차 녹색성장의 새로운 기술 개발과 대책 마련에 여기 모이신 환경분석인들이 연구와 기여가 큰 힘이 될 것입니다.

시의 적절하게도 지난해 6월에는 일본의 즈꾸바에서 일본의 대표적인 환경관련 학술단체인 일본환경화학회와 협약을 체결하고 학술대회를 개최하여 지구환경의 녹색성장 기본적인 틀을 마련하고 분석기술 및 현실 대안적 분석연구를 위해 공동 대응을 하기로 한 것은 참으로 의미 있는 일이라고 생각합니다.

앞으로도 기후변화와 수질, 대기환경 등의 분야에서 상생적 녹색성장을 이루기 위한 분석시스템의 개발 및 도입과 국가 간 공동연구와 대응을 위해 오늘 열리는 한일공동심포지움이 큰 역할을 해낼 것을 믿어 의심치 않습니다.

다시 한 번, 일본에서 오신 전문가 여러분들의 한국 방문을 환영하고 즐거운 일정이 되시기 바라며, 오늘의 이 심포지움이 향후 학문 발전과 환경문제 해결에 좋은 논의의 장이 되기를 기원합니다.

감사합니다.

명예회장, 전 과학기술부 장관 박 호 군

祝 辞

美しい季節、秋に開催される韓国環境分析学会 2010 年秋季学術大会及び第 2 回日韓共同シンポジウムを心からお祝いします。今日、このシンポジウムに参加される日本環境化学会の皆さんを歓迎し今回のシンポジウムを開催する 吳 貞 鎮 会長を学会の関係者だちの努力に労います。



韓国環境分析学会の創立当時には春になると必ずやってくる黄砂、焼却場から発生するダイオキシン類、水質汚染による飲み水の問題、人体に有害ないろんな重金属及び環境ホルモンなど数え切れない環境汚染の要因が深刻に現れていました。

このような社会的な問題に対する原因を探り、解決方法を模索、対案を提示するための学会の設立がよいのではないかと言う意見が集まり、意のある学研産の専門家だちがこの学会を創立する事になりました。1998 年 6 月 30 日、KIST(韓国科学技術研究院)で創立した時が昨日のように思えるのにもう 12 年も経ちました。

もう世界の人々に環境は重大な関心が集まっています。人類は快適な暮らしを追求し、世界各国は経済成長の核心になる軸に Green Growth をおいています。わが国も 2008 年 8 月に大統領から Green Growth が国家成長動力として宣言され積極的に推進されています。この先、Green Growth の新しい技術開発と対策作りにここに集まっていたいただいた環境分析の専門家だちの研究と寄与が大きな力になると信じます。

タイムリーに去年 6 月に日本の筑波で日本の代表的な環境学術団体である日本環境化学会と MOU を締結し、学術大会を開催する事で地球環境の Green Growth の基本的なフレームを作り、分析技術と分析の研究を行うために共同対応する事になったのではないより有意義なことだと思います。

これからも気候変動と水質、大気環境などの分野で共存的な Green Growth を完成させるためには分析システムの開発と国家間の共同研究、また今日の日韓共同シンポジウムが大きな役割を果たすと強く信じます。もう一度、日本から来られました専門家の皆さんを歓迎し、今日のシンポジウムが今後の学問の発展と環境問題の解決に役立つ事を願います。ありがとうございます

名誉会長, 前 科学技術部 長官 朴 虎 君

- 인사말 -



落葉의 계절, 가을의 끝자락에서 大韓民國 서울에 위치한 명문 淑明女子大學校에서 제 2 회 韓日공동심포지움을 개최하게 된 것을 매우 기쁘게 생각합니다.

韓日 兩國은 地理的으로 매우 가까운 나라이나, 지금까지 環境測定分析 또는 環境化學物質과 관련된 相互協力 方式은 研究者 個人次元의 共同研究 方式으로 進行되어 온 것이 사실입니다.

이러한 까닭으로, 韓日 兩國의 많은 관련 專門家들이 한자리에 모여서 폭넓은 情報와 識見을 주고받으며 討論할 機會가 없었기 때문에, 環境測定分析 또는 環境化學物質 分野뿐만이 아니라 兩國의 環境分野 全般에 걸친 理解와 協力에 대한 活性化에 限界가 있었던 것이 사실입니다.

이에 따라, 韓國의 環境分析學會와 日本의 環境化學會는 지난 2009 년 日本 茨城에서 兩國 環境問題에 대한 相互 理解와 協力を 活性化시키기 위하여 MOU 를 체결하고 제 1 회 韓日공동심포지움을 개최한 바 있습니다.

올해는 지난해에 이어 서울에서 韓日 兩國의 最高 專門家들을 모시고, 다이옥신, PCBs 등 韓日 兩國의 關心事뿐만이 아니라 全 世界的으로도 새롭게 부각되고 있는 다양한 종류의 環境汚染物質 또는 環境化學物質의 主題를 가지고 發表하고 討論하는 제 2 회 韓日공동심포지움을 마련하였습니다.

아무쪼록, 이번 공동심포지움이 韓日 兩國의 發展뿐만이 아니라 世界 環境分野의 發展에도 寄與하는 契機가 되었으면 하는 바램입니다.

끝으로, 100 年の 歷史가 넘는 명문 淑明女子大學校에서 韓日공동심포지움이 열릴 수 있도록 도와주신 한영실 총장님과 韓日공동심포지움 준비에 고생하신 兩 學會의 실무진에게 감사드립니다.

한일공동심포지움 준비위원장 한국 환경분석학회 김 삼 권

일본 환경화학회 시바다 야스유키

- 挨拶 -

落葉の季節、秋のはで大韓民国のソウルに位置する名門の淑明女子
大学校で第2回 日韓共同シンポジウムを開催する事になり大変う
れしく思っています。

日韓両国は地理的にとても近い国でありながら今まで環境測定分析
或いは環境化学物質に関する相互協力の方法は研究者個人次元での
交流という方式で続いてきたのが事実です。



このような理由で日韓両国の多くの専門家だちが同じ場所に集まり、
幅広い情報と知見を交わしながら討論する機会がなかったので、環境測定分析或いは環境化
学物質分野だけではなく両国の環境全般にわたる理解と協力の活性化に限界があったもの事
実です。

このような訳で、日本の環境化学会と韓国環境分析学会は2009年日本の筑波で両国の環
境問題に対する相互理解と協力を活性化するためにMOUを結び第1回目の日韓共同シンポジ
ウムを開催しました。

今年は去年に続き、ソウルで日韓両国の最高の専門家だちを招き、ダイオキシン類、PCBs
など日韓両国だけではなく全世界的にも関心を持たれているいろんな種類の環境汚染物質或
いは環境化学物質のテーマを上げて発表と討論するために第2回目の日韓共同シンポジウム
を開けました。

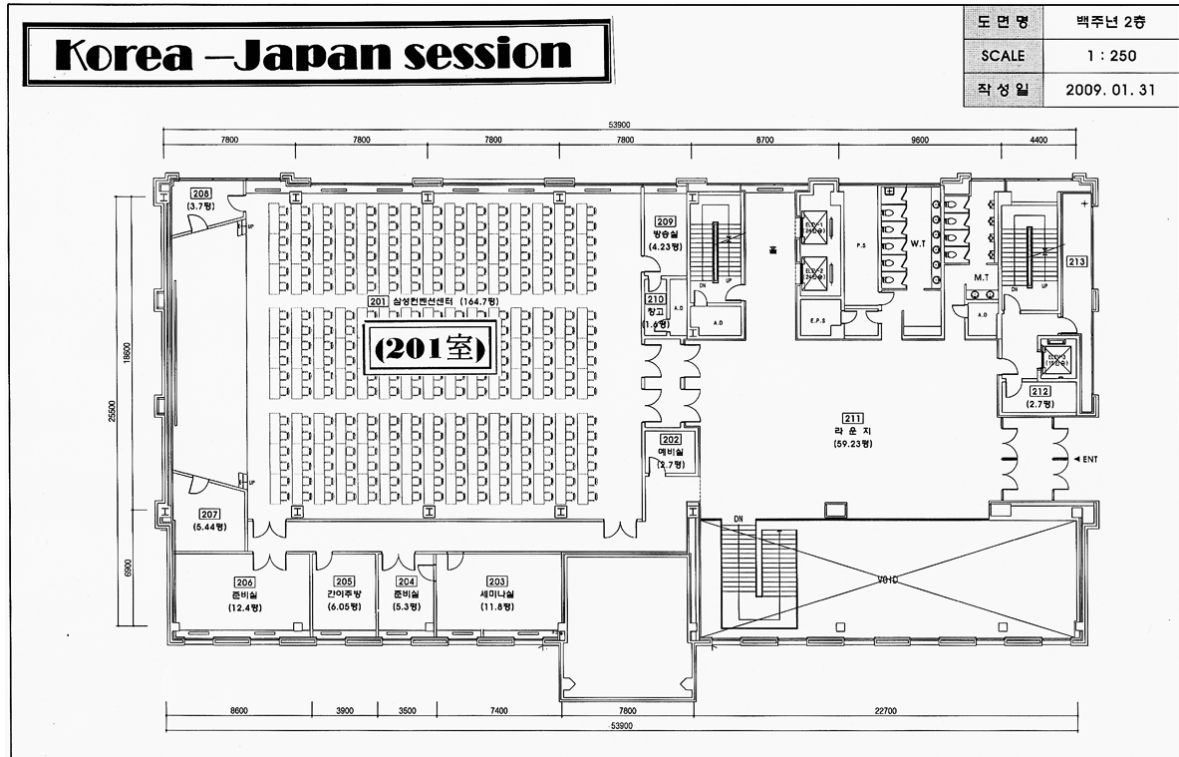
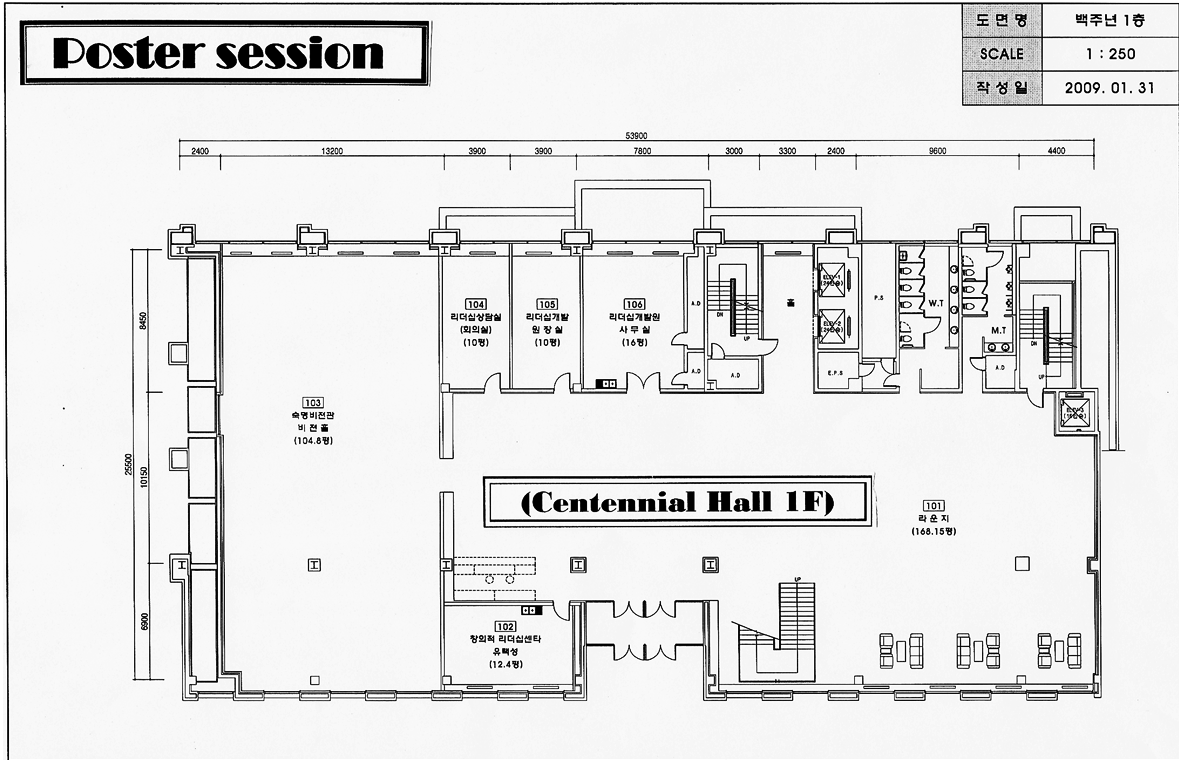
是非とも、今回の共同シンポジウムが日韓両国だけではなく、世界環境分野でも寄与できる
切っ掛けになれる事を願います。

最後に、100年の歴史ある名門 淑明女子大学校で日韓共同シンポジウムが開かれるように
協力してくださった韓 榮 實 総長と共同シンポジウムの準備に関わった両学会の実務の
方々に感謝します。

日韓共同シンポジウム準備委員長 日本環境化学会 柴田 康行

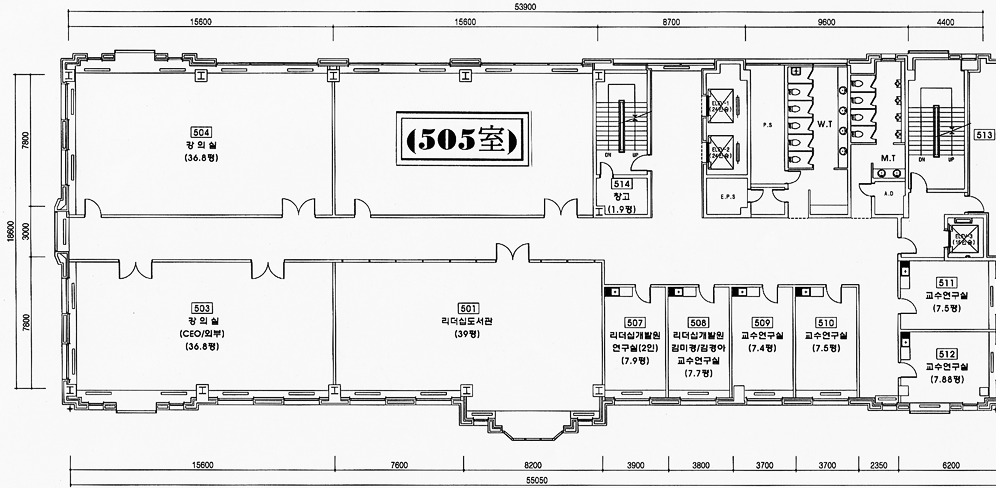
韓国環境分析学会 金 三 権

LAYOUT OF LECTURE ROOMS



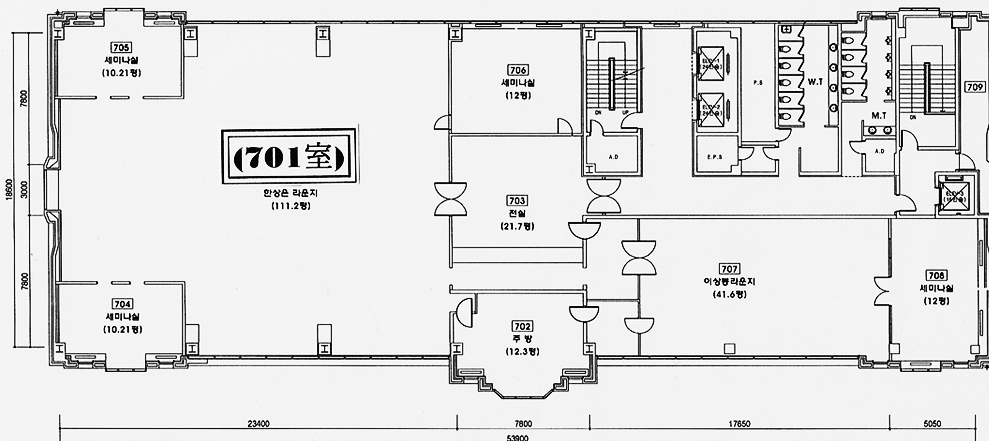
Korea session

도면명	백주년 5층
SCALE	1 : 250
작성일	2009. 01. 31



Japan session

도면명	백주년 7층
SCALE	1 : 250
작성일	2009. 01. 31



GENERAL INFORMATION

Registration Hours

Symposium documents and access badges will be handed out to registered participants at the registration desk.

Opening hours are:

Nov. 3 (Wed) 15:00~17:00

Nov. 4 (Thu) 09:00~17:00

Nov. 5 (Fri) 09:00~12:00

On-site registration will be available during the opening hours.

	Registration Fee	Banquet dinner
Member	100,000 KRW	50,000 KRW
Non Member	120,000 KRW	50,000 KRW
Students*	70,000 KRW	50,000 KRW
Accompanying Person	-	50,000 KRW

Please note: * Students enrolled as undergraduate, masters, and graduate students only. Post-Doctorates must register as "General Participant."

Registration fee for Participants and Students includes:

- Admission to all symposium sessions and the exhibition area
- Meeting resources and support
- Abstract Book
- Refreshments at session breaks
- Reception

Lunches

Lunches will be served for only those who attend the luncheon seminar provided by participating companies at Thursday and Friday in Samsung Convention Hall (201室). (only 150 seats are available)

No lunches will be provided by the conference, except above-mentioned two luncheon seminars.

Preview room

Computers will be available for speakers to check their presentation. It is not possible to use own laptop for oral presentations. All oral presentations must be loaded at the PC at each session before the session starts.

Refreshments at session breaks

Coffee and tea are available in the lobby during break

Internet Access

Free internet access cables will be set around lobby of 2nd floor for individual notebook access.

Only internet cables will be provided. Each person should use own PC or laptop for internet access.

Language

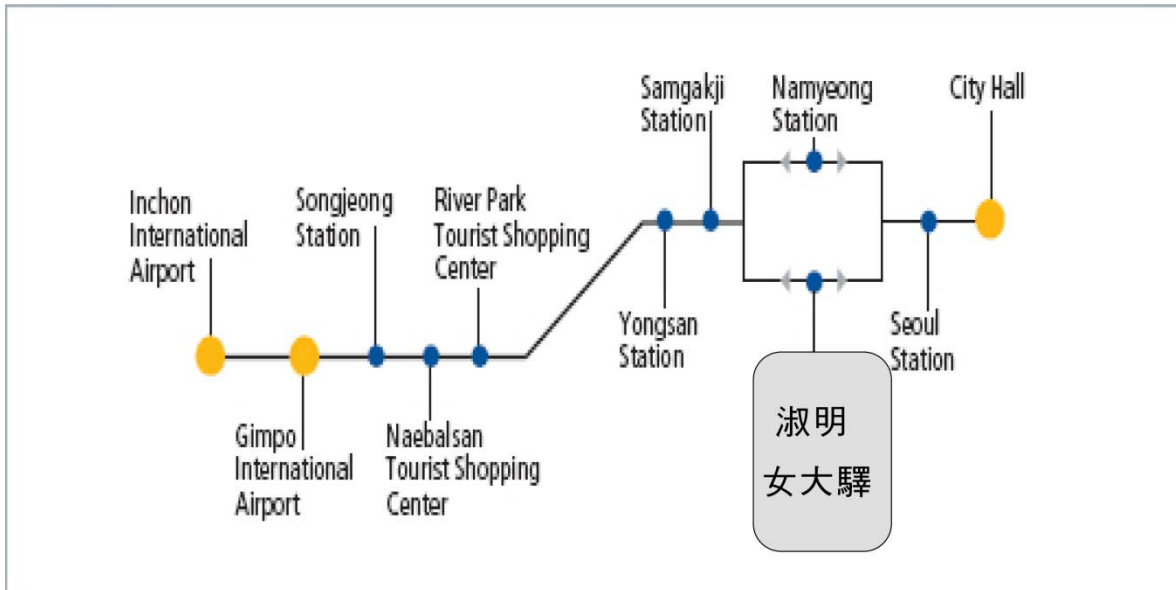
The official language of the conference is Korean and Japanese.

Information Desk

Should you have questions during the conference, please note that information desk is available in the registration

Access Information

▶ Subway



- From Subway Line 4 : Get off at the Sookmyung Women's Univ(galwol) Station
- From Subway Line 1 : Get off at the NamYeong Station near Hyochang Park.
- From Subway Line 6 : Get off at the Hyochang Park Station

▶ Campus Map



淑明女子大學校 百週年紀念館 (Centennial Hall, No.18)

INSTRUCTIONS FOR PRESENTERS

Oral presentations

Oral presenters will have 25 min total presentation time (20 min presentation and 5 min discussion) In order to synchronize the parallel sessions, session chairs are asked to be strict on the schedule.

The official format of presentation is by beam projector using Microsoft PowerPoint 2007 or compatible formats. A laptop computer connected to a beam projector will be supplied in each session room. Please make sure that all PowerPoint 2007 files are saved with embedded fonts.

Due to time restrictions, participants are not allowed to use their own PC to the beam projector. **All presentations in PowerPoint 2007 format should be transferred to the staff in each presentation room before the session starts.** Computers will be available for speakers to check their presentation at the preview room. The organizers cannot guarantee a successful presentation of non-tested files.

Poster presentations

The posters will be displayed during conference (Thursday 09:00~Friday 18:00). Author presentation hour is Friday 13:30~14:30

During the presentation hours, assigned authors are to remain in front of their poster boards.

The dimension of the poster board is 90 cm wide and 130 cm high. Each poster has been assigned a number which will appear in the program book as well as on the poster board. Please make sure that you place your poster on the correct poster board in the correct section. Presenters are responsible for setting up and removing their posters. The registration desk will provide materials to affix the poster to the boards. Please use only these materials.

Conference Program Overview

Nov. 3 (Wed) Day 1		
15:00-17:00	Registration	Centennial Hall (百週年紀念館) 1F
17:00-19:00	Welcome Reception	Hansangeun Lounge (百週年紀念館) 7F

Nov. 4 (Thu) Day 2			
09:00-	Registration (9:00~17:00)		Centennial Hall 1F
09:30- 13:00	Korea-Japan session I Source, Fate and Transport (201 室)	Japan session I (701 室)	Korea session I (505 室)
13:00-	Luncheon seminar (Dongil Shimaz)		(201 室)
14:00- 14:30	<ul style="list-style-type: none"> · Opening - President Jung Jin Oh (K.S.F.E.A) · Greeting - President Young Sil Han (Sookmyung Women's Univ.) · Congratulatory address Dr. Ho Koon Park (Former Minister of MOST) · VIP Introduction 		Samsung Convention Hall (201 室)
14:30- 15:10	Special Lecture 1 Low-Carbon Green Growth of the Republic of Korea Dr. Jong Soo Yoon. Deputy Minister, Minister of Environment, Korea		(201 室)
15:10- 15:30	Coffee Break		
15:30- 16:10	Special Lecture 2 Present Status and Future Perspectives of Environmental Analysis Dr. Yasuyuki, SHIBATA. NIES(國立環境研究所), Japan		(201 室)
16:10- 17:00	Special Lecture 3 Climate Change Issues: What Vulnerabilities Should Concern East Asia? Dr. Kenneth C. Crawford. Vice Administrator Korean Meteorological Administration, U.S.A		(201 室)
17:00-	Transfer to Han River		
18:30- 21:30	Banquet (HAN River Buffet-Cruise, near Yeouinaru Subway Station)		

Nov. 5 (Fri) Day 3

Nov. 5 (Fri) Day 3			
09:00-	Registration (9:00~12:00)		Centennial Hall 1F
09:30- 12:30	Korea-Japan session II Risk Assessment and Management	Japan session II	Korea session II
	(201 室)	(701 室)	(505 室)
12:30-	Luncheon seminar (DK Science)		(201室)
13:30- 14:30	Poster session		Centennial Hall 1F
14:30- 17:30	Korea-Japan secession III Environmental Analysis and Monitoring	Japan secession III	Korea secession III
			(505室)
	(201 室)	(701 室)	QA/QC Symposium
			(505 室)

Program

□ Samsung Convention Hall (201 室)

Nov. 4 (Thu) Day 2		Samsung Convention Hall (201 室)
	Korea-Japan secession I Source, Fate and Transport	Co- Chair : Dr. Noriyuki Suzuki (National Institute for Environmental Studies) Prof. Gon OK (Pukyong National University)
09:30- 11:10 (25")	1. Formation of Polychlorinated Dibenzofurans (PCDFs) during Indirect Heating Treatment of Dioxin-contaminated Sediment <u>Masaaki Hosomi</u> , Kimiaki Shimoda, Megumi Nishikawa, Akihiko Terada Tokyo University of Agriculture and Technology	
	2. Distribution characteristics of PCBs during co-incineration of hazardous solid waste and waste insulating oil containing PCBs <u>Geum-Ju Song</u> · Ki-Hyeon Kim POSTECH, National Institute of Environmental Research	
	3. Consistency of spatial distribution of contaminant concentration between model-derived and monitoring-derived data basis <u>Noriyuki Suzuki</u> , Yoshitaka Imaizumi, Takeo Sakurai, Hiroaki Shiraishi National Institute for Environmental Studies	
	4. Accumulation and Transition of Dioxins in Environment of Niigata Prefecture, Japan <u>Takahashi Yukio</u> , Fukumura Kinumi Niigata University	
11:10- 11:20	Coffee Break	
11:20- 13:00 (25")	5. Evaluation of Long-term Trends of Persistent Organic Pollutants Produced using a Multimedia Environmental Fate Model <u>Sung-Deuk Choi</u> and Frank Wania Ulsan National Institute of Science and Technology, University of Toronto Scarborough	
	6. Vertical Distribution of Dust and Sulfate particles over Asian Dust Sources <u>Maromu Yamada</u> , Daizhou Zhang, Yasunobu Iwasaka, Guangyu Shi, Kazuichi Hayakawa Kanazawa University, Chinese Academy of Sciences	

	7. Chemical speciation of individual aerosol particles collected in Incheon, Korea by the combined use of quantitative ED-EPMA and ATR-FT-IR imaging techniques Young-Chul Song, JiYeon Ryu, Md Abdul Malek, Hae-Jin Jung, Chul-Un Ro Inha University
	8. Comparison of chemical pollution in rivers of Japan and China Kiwao Kadokami , Daisuke Jinya, Tomomi Iwamura, Xuechua Li, Jimgwen Chen The University of Kitakyushu
13:00-14:00	Luncheon seminar (Dongil Shimaz) (201 室)
	Opening Ceremony 14:00- Opening -President Jung Jin Oh (K.S.F.E.A) 14:30 Greeting -President Young Sil Han (Sookmyung Women's Univ.) Congratulatory address Dr. Ho Koon Park (Former Minister of MOST)
14:30-15:10	Special Lecture 1 Chair : Dr. . Jungju Seo (Korea Basic Science Institute) Low-Carbon Green Growth of the Republic of Korea Dr. Jong-Soo. Yoon Deputy Minister, Minister of Environment, Korea
15:10-15:30	Coffee Break
15:30-16:10	Special Lecture 2 Chair : Dr. Thomas D. Lee (Labfrontier. Co., Ltd.) Present status and future perspectives of environmental analysis Dr. Shibata Yasuyuki National Institute for Environmental Studies, Japan
15:10-15:30	Coffee Break
16:10-17:00	Special Lecture 3 Chair: Prof. Chul-Un Ro (Inha University) Climate Change Issues: What Vulnerabilities Should Concern East Asia? Dr. Kenneth C. Crawford Vice Administrator, Korean Meteorological Administration, U.S.A

Nov. 5 (Fri) Day 3

Samsung Convention Hall(201 室)

	<p>Korea-Japan secession II Risk Assessment and Management</p>	<p>Co- Chair : Dr. Jungju Seo (Korea Basic Science Institute) Dr. Muneaki Matsuda (Ehime University)</p>
<p>09:30-11:10 (25")</p>	<p>1. Development of the framework for the aggregate exposure assessment and a case study for phthalates in Korea Jong Hyeon Lee NeoEnbiz</p> <p>2. POPs in dietary samples from CHINA, KOREA and JAPAN- Trends of legacy & New POPs compared to POPs candidates Takumi Takasuga, Nouda C, Matsukami H, Takemori H, Harada K, Fujii Y, Hitomi T, Watanabe T, Yang H-R, Moon C-S, Wang P, Koizumi A Shimadzu Techno-Research Inc.</p> <p>3. Screening of agonistic activities against seven hormone receptors of 91 hydroxy-PCB congeners using a recombinant yeast assay Fujio Shiraishi, Ryo Kamata, Daisuke Nakajima, Hidetaka Takigami, Jun-ichi Nishikawa, Hiroaki Shiraishi National Institute for Environmental Studies</p> <p>4. Analysis of Physicochemical Properties for Risk Assessment of Silver Nanoparticles Younghun Kim, Jinkyu Roh, Sunhee Jee, Ha Nee Umh, Kyunghee Choi, Soomin Park, Heejin Park, Jongheop Yi Kwangwoon University</p>	
<p>11:10-11:20</p>	<p>Coffee Break</p>	
<p>11:20-12:30</p>	<p>5. Development of removal method of POPs in soil and water using water-soluble activated carbon sheets and activated carbon tablets. Heesoo Eun, Koji Baba, Yasuyuki Shibata, Yuko Sasaki, Hiroaki Fukui, Emiko Iizumi National Institute for Agro-Environmental Sciences</p> <p>6. A study of chemical hair dyes on human intake and release into the environment by LC/MS Shigeru Suzuki, Tamaki Ando Chubu University</p> <p>7. The Characteristics of VOCs and carbonyl compounds emitted from wood-based furniture in Korea Jung-Yun Lim, Jin-Hoi Gu, Yeon-Jung Koh, Kyung-Hee, Choi National Institute of Environmental Research</p>	
<p>12:30-13:30</p>	<p>Luncheon seminar (DK Science)</p>	<p>(201 室)</p>
<p>13:30-14:30</p>	<p>Poster session</p>	

Nov. 5 (Fri) Day 3

Samsung Convention Hall (201 室)

	Korea-Japan secession III Analysis and Environmental Monitoring	Co-Chair : Prof. Yong Chan Seo (Sangji University) Prof. Kiwao Kadokami (Univ. of Kitakyushu)
14:30- 16:10 (25")	1. Contamination status of existing and emerging POPs in coastal environment of Korea <p style="text-align: right;"><u>Hyo-Bang Moon</u>, Hee-Gu Choi, Yong-Rock An Hanyang University</p> <hr/> 2. Analytical improvement and survey of perfluorinated compounds <p style="text-align: right;"><u>Kazuaki Sasaki</u>, Norimitsu Saito, Hyeon Seo Cho, Norihisa Tatarazako, Yasuyuki Shibata Research Institute for Environmental Sciences and Public Health of Iwate Prefecture</p> <hr/> 3. Identification of Tetracyclines and their Degradation Products in Environmental Samples <p style="text-align: right;"><u>Seungryul Hwang</u>, Youngyeul Kang, Sohyun Koo, ilgyu Kim National Institute of Environmental Research</p> <hr/> 4. Long-range transboundary atmospheric transport of POPs in East Asian area <p style="text-align: right;"><u>Takuya Kakoi</u>, Kaoru Nakamura, Tomoko Murakami, Masahide Kawano, Muneaki Matsuda, Byung-Yoon Min, Shinji Nakayama, Masatoshi Morita Ehime University</p>	
16:10- 16:20	Coffee Break	
16:20- 17:35	5. PBDD/DFs and PBDEs in samples of various workplace environment - Examination for film thickness of capillary column <p style="text-align: right;"><u>Muneaki Matsuda</u>, Yousuke Takechi, Miho Okimoto, Yasuhiro Kadota, Kazutoshi Nose, Masahide Kawano, Masatoshi Morita Ehime University</p> <hr/> 6. Occurrences of Pharmaceuticals and Personal Care Products (PPCPs) from Aquatic Environmental samples <p style="text-align: right;"><u>Seung-Woon Myung</u> Kyonggi University</p> <hr/> 7. A method for simultaneous analysis of anti-influenza virus drugs in environmental water <p style="text-align: right;"><u>Ryohei Takanami</u>, Shogo Taniguchi, Hiroaki Ozaki, Shintaro Hayashi, Ayako Hineno Osaka Sangyo University</p>	

□ Hansangeun Lounge, 百週年紀念館 7F (701 室)

Nov. 4 (Thu) Day 2		Hansangeun Lounge 7F (701 室)
	Japan secession I	Co-Chair : Dr. Katsuhisa Honda (Univ. of Ehime) Dr. Daisuke Nakajima (NIES, Japan)
	09:30-	1. Quantifying the contributions of ocean circulation and marine phytoplankton to the global fate of polychlorinated biphenyls Toru Kawai , Noriyuki Suzuki, Itsuki C. Handoh National Institute for Environmental Studies
	11:10 (25")	2. Occurrence and Behavior of Parabens and their Chlorinated by-Products in the Aquatic Environments Masanori Terasaki , Yoshiharu Takemura, Satoshi Nagashima, Masakazu Makino University of Shizuoka
		3. Temporal Trends of OCPs in Sediment and Paddy Soil, Their Behavior in the Lower Basin, Niigata, Japan Mizuki Sakai , Yukio Takahashi, Nobuyasu Seike, Takashi Otani Nagano National College of Technology
		4. Behavior of Phorbol Esters in the process of Bio Diesel Fuel (BDF) Production Kiyoshi Imamura, Le Tu Thang, Duong Huu Huy, Yasuaki Maeda , Yoo Young-Eok Osaka Prefecture University
	11:10- 11:20	Coffee Break
	11:20-	5. Production mechanisms of halogenated polycyclic aromatic hydrocarbons by photochemical reaction under tidal flats conditions Kenshi Sankoda , Takayuki Yonehara, Kei Nomiya, Ryota Shinohara Prefectural University of Kumamoto
	13:00 (25")	6. Transportation process of heavy metals in plant body Toyotaka Isoda , Ryouta Shinohara Prefectural University of Kumamoto
		7. The Study of Correlation between Chemical Structure of Hydroxy PCBs and Retention Index Rina Takahashi , Satoshi Nanba, Muneaki Matsuda, Masahide Kawano, Masatoshi Morita Ehime University
		8. Estimation of Perfluorooctane Sulfonate Concentrations in Tokyo Bay by the Release of Aqueous Film Forming Foams Containing Fluorinated Surfactant Yuichi Miyake , Takeshi Kobayashi, Takashi Kameya, Shigeki Masunaga, Takashi Amagai University of Shizuoka

Nov. 5 (Fri) Day 3

Hansangeun Lounge7F (701 室)

	Japan secession II	Co-Chair : Dr. Miho Shinomiya (NERTI,Japan) Dr. Takashi Amagai (University of Shizuoka):
	1. Occurrence and bioaccumulation of Organic UV Filters and UV Light Stabilizers in Japanese Rivers and Lakes	Yutaka Kameda , Kumiko Kimura, Shinji Takahashi Center for Environmental Science in Saitama
	2. Functional characterization of cytochrome P450 1A1 · 1A2 · 1B1 from the Baikal seal (Pusa sibirica)	Keisuke Yamaguchi, Eun-Young Kim, Akira Kubota, Hisato Iwata Ehime University
	3. Study on exhaustive analysis of organohalogenes in environmental and biological samples by GCxGC-MS/MS	Shunji Hashimoto , Akihiro Fushimi, Yoshikatsu Takazawa, Kiyoshi Tanabe, Yasuyuki Shibata National Institute for Environmental Studies
09:30- 12:30 (25")	4. Hydroxylated polychlorinated biphenyls (OH-PCBs) in the blood of fishes collected in the sea off Japan.	Satoko Horiuchi , Yukiko Uchiyama, Kei Nomiya, Ryota Shinohara Prefectural University of Kumamoto
	Coffee Break	
	5. Occurrence of Pharmaceuticals in Composts Produced from Sewage Sludge or Livestock Wastes and Uptake of Pharmaceuticals by Pisum sativum L.	Rumi Tanoue , Kei Nomiya, Ryota Shinohara Prefectural University of Kumamoto
	6. Reduction Effectiveness of Unregulated Emission and Related Toxicity by Aftertreatment Device for Light-duty Diesel Engine	Keiko Shibata , Nobuhiro Yanagisawa, Kenji Enya, Kaoru Satou, Kazuhiko Sakamoto Isuzu Advanced Engineering Center, LTD
	7. Isolation of novel dieldrin- and endrin-degrading bacteria from soil using 1,2-epoxycyclohexane as a structural analog of both compounds	Emiko Matsumoto , Youhei Kawanaka, Sun-Ja Yun Environmental Control Center Co., Ltd.

14:30- 17:30 (25")	Japan secession III	Co-Chair : Prof. Takeshi Nakano (Osaka Univ.) Dr. Takumi Takasuga (Shimadzu Techno- Res. Inc.)
	1. Comprehensive screening and identification of trace organohalogen compounds in environmental matrices using GC-HRTOFMS <u>Takumi Takasuga</u> , Hidenori Matsukami, Hiroaki Takemori Shimadzu Techno-Research Inc.	
	2. Analysis of benzotriazole ultraviolet stabilizers in fishes from the Philippines <u>Joon-Woo Kim</u> , Tomohiko Isobe, Ramaswamy Babu Rajendran, Kwang-Hyeon Chang, Atsuko Amano, Shinsuke Tanabe Ehime University	
	3. The PCBs analysis of the iwasted oil by solventdilution/gas chromatogram/high resolution mass analysis method actually <u>Takeshi Enomoto</u> , Mika Kobayashi, Yukinori Yahata, Kazuo Tanaka JEOL	
	4. Evaluation of AHM T method for Automatization in Formaldehyde Determination <u>Takeshi Ohchi</u> , Toyohiko Nezu Kobe City College of Technology	
	Coffee Break	
5. Automatic Analysis of Total Phosphorus in Water by Flow Injection Analysis <u>Takeshi Kakiyama</u> , Toyohiko Nezu Kobe City College of Technology		
6. Introduction of a Rapid Analysis Method for PCBs in Insulating Oils <u>Jangho Hong</u> , Takahiro Ishizaka, Tomohumi Takahashi, Hideki Toita, Byungyoon Min, Katsuhisa Honda Ehime University		

□ Centennial Hall 百週年紀念館 5F (505 室)

Nov. 4 (Thu) Day 2		Centennial Hall (505 室)
Korea secession I	<p style="text-align: right;">Co-Chair : Prof. Yoon-young Chang(Kwangwoon University)</p> <p style="text-align: right;">Prof. Hyeon S. Cho(Chonnam Notional University)</p>	
09:30-12:30 (25")	<p>1. Temporal and spatial variation of atmospheric organochlorine pesticides at Korea background sites Guang-Zhu Jin, Su-Yeong Lee, Sang-Min Kim, Woo-Il Kim, Jin-Soo Park and Seung-Ryul Hwang National Institute of Environmental Research,</p>	
	<p>2. Characterization of Asian Dust particles collected in Chuncheon by the combined use of Low-Z particle EPMA and ATR-FT-IR imaging techniques Young-Chul Song and Chul-Un Ro Department of Chemistry, Inha University</p>	
	<p>3. A study on the PAHs, organotin compounds and heavy metal pollution in surface sediments of Yeosu New Harbor G. O. Cho , H. J. Kim , J. H. Yu , D. W. Kim, H. S. Cho Chonnam Notional University</p>	
	<p>4. Suspended particle solids, sinking flux of POC-PON from sediment and sediment environment in Gamak and Deukryang Bay D. W. KIM , G. O. Cho , T. B. Choi, H. S. Jung, W. C. Lee, H. S. Cho College of Ocean Science and Technology, Chonnam Notional University</p>	
	<p>5. Tremolite Content of Talc by X-Ray Diffraction Beom-Goo Hwang · Il-Sik Sun · Sang-Oh Han · Jae-Hyeong Lee · Yun-Ho, Choi Korea Testing and Research Institute</p>	
	<p>Coffee Break</p>	
	<p>6. Performance test of tablet absorber for water quality refinement: III. Lab scale applications of waste water and mine-leaching Jaewon Choi Water Analysis and Research Center of K-water Institute</p>	
	<p>7. Continuous Automatic measurement of Suspended Solids on the Review of Reference Material Yang-ki An, Jong-hwan Park, Gyeong-ki Hong, Hee-soo Jang ,Sung-hun Choe, Jong-woo Choi, Korea Environment Corporation, National Institute of Environmental Research</p>	
<p>8. Development of Multiple Analysis Method of Pesticides by LC/MS/MS System Seok-Yong Kim, Choong-Hee Jo, Min-Ki Hong, Youn-Seok Kang and Thomas D. Lee Labfrontier. Co., Ltd.*</p>		

Nov. 5 (Fri) Day 3

Centennial Hall (505 室)

	Korea secession II	<p>Co-Chair : Dr. Il-Sik Sun(Korea Testing & Research Institute) Prof. Jeong-Eun Oh (Pusan National University)</p>
09:30-12:30 (25")	1. Measurement of VOCs Exposure on the Children's Products <p style="text-align: center;">Woo-Il Kim, Young-Yeul Kang, Jin-Won Chun, Sun-Min Lee, Ki-Tae Sim and Kwang-Seol Seok National Institute of Environmental Research</p>	
	2. Combination effects of nanoparticles and estrogenic chemicals on yeast two-hybrid systems <p style="text-align: center;">Byoung-cheun Lee, Cuong Ngoc Duong, Sujin Kim, Junheon Yoon and Pilje Kim National Institute of Environmental Research (NIER)</p>	
	3. Monitoring of Pharmaceutical and Personal Care Products in the Water Environment of Ulsan <p style="text-align: center;">Hye-Ok Kwon, Won-Jin Sim, Jeong-Eun Oh, and Sung-Deuk Choi Ulsan National Institute of Science and Technology (UNIST)</p>	
	4. Monitoring of Polybrominated diphenyl ethers (PBDEs) in Blood Serum from Neonates-Mother Pair Samples, Korea <p style="text-align: center;">Un-Jung Kim, Yong-Hee Hong, Dong-Hwan Lee and Jeong-Eun Oh Pusan National University</p>	
	Coffee Break	
	5. Plasmonic Nanostructure-based Novel Detection Method for Arsenic Ion <p style="text-align: center;">Surin Hong, Suseung Lee, Young In Yang, Hyeon Don Song, and Jongheop Yi Seoul National University,</p>	
	6. Development of Analytical Method for Persistent Organic Pollutants (POPs) in Water using TDU-GC/MS <p style="text-align: center;">Yun. S. Kim, Jaewon Choi, Gyung-Hee Lee and Yong-Yeon Kim Water Analysis and Research Center of K-water Institute</p>	
		7. Determination of methyl mercury in water and whole blood by headspace GC-MS <p style="text-align: center;">Seong Eun Jeong, Hyun Mi Chun, Seungki Kim, Heesoo Pyo Korea Institute of Science and Technology</p>
14:30-16:10 (25")	Korea secession III	<p>Co-Chair: Seok-ki Lee (Dong-il Shimadzu Corporation) Dr. Won Seok Lee(National Institute of Environmental Research)</p>
	1. Congener patterns of PCDDs/PCDFs in the exhaust gas from diesel automobiles <p style="text-align: right;">Park Keum-Jung Korea Environment Corporation</p>	

	<p>2. A study on the assessments of the sanitation safety standards for the water supply materials Byungseok Yoon, Kyungjin Shin, Daekeun Seo, Kyunghee Lee, Yongyeon Kim Water Analysis & Research Center of K-water Institute</p> <p>3. Assessment of the comparability related with total petroleum hydrocarbon content in soil between KS I ISO standard and soil contamination analysis method enacted by Korean Ministry of Environment In-ho Jung, Goon-taek Lee, Yong-hoon Kim, Won Seok Lee, Ji In Kim, Ju Hee Kim Seoul National University</p> <p>4. Deliquescence and efflorescence of mixed NaCl/NaNO₃ aerosol particles Shila Maskey, HyeKyeong Kim, Hyo-Jin Eom, and Chul-Un Ro Inha University</p>								
16:10-16:20	Coffee Break								
16:20-17:35 (25")	<table border="1"> <tr> <td data-bbox="304 898 703 994">QA/QC secession</td> <td data-bbox="703 898 1410 994">Chair : Prof. Tea-Kee Hong (Hanseo University)</td> </tr> <tr> <td data-bbox="304 994 703 1137">1. Consistency in Terminology for Quality Assurance and Quality Control</td> <td data-bbox="703 994 1410 1137">Tea-Kee Hong Hanseo University</td> </tr> <tr> <td data-bbox="304 1137 703 1330">2. Practical Guidance for Method Validation in Laboratory Analysis for Environmental Samples</td> <td data-bbox="703 1137 1410 1330">Jae-Lyeong Kim Dong-il Shimadzu Corporation</td> </tr> <tr> <td data-bbox="304 1330 703 1520">3. Practical Guidance for Sample Collection, Measurement, and Interpretation in Environmental Analysis</td> <td data-bbox="703 1330 1410 1520">Hyunook Kim University of Seoul</td> </tr> </table>	QA/QC secession	Chair : Prof. Tea-Kee Hong (Hanseo University)	1. Consistency in Terminology for Quality Assurance and Quality Control	Tea-Kee Hong Hanseo University	2. Practical Guidance for Method Validation in Laboratory Analysis for Environmental Samples	Jae-Lyeong Kim Dong-il Shimadzu Corporation	3. Practical Guidance for Sample Collection, Measurement, and Interpretation in Environmental Analysis	Hyunook Kim University of Seoul
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