12th International Congress on
Combustion By-Products and their Health Effects: Combustion Engineering and Global Health in the 21st Century - Issues and Challenges

Call for Papers

June 5 – 8, 2011
Zhejiang University
Hangzhou, Zhejiang Province, China
http://www.lsu.edu/piccongress/
http://www.ceu.zju.edu.cn/piccongress

Sponsors:

• National Institute of Environmental Health Sciences-Superfund Basic Research Program
• Louisiana State University
• National Science Foundation
• Electric Power Research Institute
• Navistar
• Coalitions for Responsible Waste Incineration (CRWI)
• State Key Laboratory of Clean Energy Utilization
• Institute for Thermal Power Engineering, Zhejiang University
• Ministry of Education of the People’s Republic of China
The objectives of this Congress are to provide an international forum to discuss topics on origins, fate, and health effects of combustion by-products. Since risk-based programs rely increasingly on the ability of advanced scientific research to provide mechanistic, diagnostic, and analytical answers to complex problems concerning exposure to air toxicants, this field has gained significant relevance to worldwide environmental policy.

The Congress provides a forum for advanced learning through emphasis on internationally recognized speakers; advanced scientific, health, and engineering research presentations; and an extensive poster session. This focus furnishes ample learning experiences and knowledge exchange for all participants. The Congress is especially interested in attracting abstracts and encouraging participation from students and new investigators.

The 12th International Congress will be held in Hangzhou, China. It is the first time for the Congress to be held in a developing country and the Congress is especially interested in the issues about combustion by-products and their health effects in developing countries.

Researchers and practitioners have the opportunity to interact and discuss recent developments and future goals in the control of combustion by-products, as well as to explore in great detail the effects of exposure to combustion emissions on human health and ecosystems.

### Integrated Conference Themes:

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<thead>
<tr>
<th>Engineering</th>
<th>Health Impacts</th>
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<tbody>
<tr>
<td>1. Waste Thermal treatment</td>
<td>1. Health effects of combustion pollutants in developing countries</td>
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<td>2. Combustion emissions (conventional and alternative fuels)</td>
<td>2. Characterization and health impacts of coarse, fine, and ultrafine ambient air particles</td>
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<td>3. Dioxins and other organic air toxics</td>
<td>3. Persistent free radicals and oxidative stress</td>
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<td>4. Priority pollutants and chemistry in urban and rural environments</td>
<td>4. Carcinogenicity and mutagenicity of air pollutants</td>
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<td>5. Global climate change, CO₂ Capture and storage</td>
<td>5. Impact of air pollution on cardiovascular and pulmonary disease</td>
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<td>7. Soot and nanoparticle formation and characterization</td>
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<td>8. Advanced diagnostics and measurement technologies</td>
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<td>9. Metals, mercury, and ash chemistry</td>
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<td>10. New/emerging measurement technologies in aerosol science and combustion by-products on-line monitoring</td>
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Important Dates:

Abstract submission: February 1st, 2011
Abstract submission website: http://www.lsu.edu/piccongress/
Acceptance of abstract for presentation: February 20th, 2011
Early registration deadline: April 30th, 2011
Early registration website: http://www.ceu.zju.edu.cn/piccongress
Full manuscript submission deadline (optional): May 15th, 2011

Keynote speakers list:

• Judith Chow, Sc.D. Nazir and Mary Ansari Chair in Entrepreneurialism and Science and Research Professor, DRI - Reno
• Tom Hesterberg, Ph.D, MBA Director, Product Stewardship and Environmental Health Navistar, Inc.
• Barry Dellinger, Ph.D., Patrick F. Taylor Chair of Environmental Chemistry LSU, Director LSU Superfund Research Center
• Stephanie Cormier, Ph.D., Pharmacology & Experimental Therapeutics, Pulmonary/Critical Care Medicine, Louisiana State University Health Sciences Center
• Kefa Cen, Ph.D., Department of Energy Engineering Zhejiang University China
• Shu Tao, Ph.D., College of Urban and Environmental Sciences Peking University China

Local Organizing Committee:

• Jianhua Yan, Ph.D., Zhejiang University
• Mingjiang Ni, Ph.D., Zhejiang University
• Maode Lai, Ph.D., Zhejiang University
• Minghui Zheng, Ph.D., Research Center for Eco-Environmental Sciences, Chinese Academy of Science
• Pinjing He, Ph.D., Tongji University
• Minghou Xu, Ph.D., Huazhong Science and Technology University
• Yong Chen, Ph.D., Guangzhou Institute of Energy Conversion, Chinese Academy of Science
• Alfons Buekens, Ph.D., guest professor, Zhejiang University
• Robert Hall, Ph.D., guest professor, Zhejiang University

Local Organizing Committee Contact:

12th PIC corresponding E-mail: piccongress@zju.edu.cn
Dr. Shengyong Lu, Phone: 86-571-87952628, Fax: 86-571-87952438,
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Dr. Xiaodong Li, Phone: 86-571-87952037, Fax: 86-571-87952438,
Email: lixd@zju.edu.cn
Executive and International Steering Committee:

- Barry Dellinger, Ph.D., Louisiana State University (Executive Committee Chair)
- Ke-fa Cen, Ph.D., Zhejiang University (China)
- Andrea D’Anna, Ph.D., University of Naples (Italy)
- Alfonse Buekens, Ph. D., Vrije Universiteit Brussel, Brussels, (Belgium). Guest professor, Zhejiang University
- Stephania Cormier, Ph.D. Louisiana State University Health Sciences Center
- Brian Gullett, Ph.D., U.S. Environmental Protection Agency.
- William Suk, Ph.D., National Institute of Environmental Health Sciences
- Jian-Hua Yan, Ph.D., (Local Organizing Committee Chair), Zhejiang University (China)
- Tom Hesterberg, Ph.D., Navistar (industry)
- Mel Keener, Ph.D., Coalition for Responsible Waste Incineration (industry)
- Catherine Koshland, Ph.D. University of California, Berkeley and Donald Lucas, Ph.D., Lawrence Berkeley Laboratory
- JoAnn Lighty, Ph.D., University of Utah
- Slawo Lomnicki, Ph.D., Louisiana State University
- Gunter Oberdoerster, Ph. D., University of Rochester
- Douglas G. Smith, Sc.D., AECOM (industry)
- Ron Wyzga, Ph.D. Electric Power Research Institute (industry)
- Ralf Zimmerman, Ph.D., GSF Research Center, (Germany)
- Robert Hall, Ph.D., US EPA retired, Guest professor, Zhejiang University

Provisional Program:

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<th>Day</th>
<th>Time</th>
<th>Events</th>
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<td>Sunday, 5th June</td>
<td>12:00-21:00</td>
<td>Registration</td>
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<td></td>
<td>15:00-18:00</td>
<td>Poster Session and Exhibition</td>
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<td></td>
<td>18:00-</td>
<td>Buffet dinner (tickets)</td>
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<tr>
<td>Monday, 6th June</td>
<td>8:00-18:00</td>
<td>Registration</td>
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<tr>
<td></td>
<td>8:30-9:00</td>
<td>Opening Ceremony</td>
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<td>9:00-12:30</td>
<td>Keynote Speech</td>
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<td>14:00-17:30</td>
<td>Technical Sessions</td>
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<td></td>
<td>18:00-</td>
<td>Welcome reception</td>
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<tr>
<td>Tuesday, 7th June</td>
<td>8:30-12:30</td>
<td>Technical Sessions</td>
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<tr>
<td></td>
<td>14:00-17:30</td>
<td>Technical Sessions</td>
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<td></td>
<td>18:00-</td>
<td>Dinner</td>
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<td>Wednesday, 8th June</td>
<td>8:30-11:30</td>
<td>Keynote Speech</td>
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<td>11:30-12:00</td>
<td>End of Conference</td>
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<td>13:15-18:00</td>
<td>National Wetland Park and New Campus of ZJU (conference tour)</td>
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<td>18:00-</td>
<td>Farewell Party (Wonderful performance)</td>
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</table>
Meeting Venue *(Jinxi Hotel)*:

**Venue 1 (Conference Center):**
For opening and closing ceremonies.

**Venue 2 (No.1 meeting room):**
For waste thermal treatment; combustion emissions; dioxins and other organic air toxics; priority pollutants and chemistry in urban and rural environments; global climate change; clean coal technologies;

**Venue 3 (No.2 meeting room):**
Soot and nanoparticle formation and characterization; advanced diagnostics and measurement technologies in aerosol science and combustion by-products on-line monitoring; CO₂ capture and storage; metals, mercury, and ash chemistry; health effects of combustion pollutants in developing countries;

**Venue 4 (No.3 meeting room):** Characterization and health impacts of course, fine, and ultrafine ambient air particles; persistent free radicals and oxidative stress; impact of air pollution on cardiovascular and pulmonary disease; biokinetics/biodestruction: the respiratory tract as portal of entry.
Conference Tour (Xixi National Wetland Park):
We will pick you up in the hotel and transfer to Wetland by private car. The Xixi Wetland Park has an extensive history and is located on the southern tip of the longest and oldest canal in the world, the Hangzhou-Beijing Canal. Dragon boats take you around in the network of rivers and show you a new side of Hangzhou.

To see the striking beauty of this place there is definitely reason to be updated on the legends of Hangzhou which then gives this you a whole new spectrum to fill your imagination with. White wooden houses with dark decorations in traditional Chinese style are spread out in harmony with the most beautiful of trees. The pink flowers covering the treetops make this scenery look just like those typical Chinese paintings.

We will take you to the new campus of Zhejiang University (Zijingang campus) with a campus tour for 1.5 hours, and then have a farewell party (with student actors’ performance) in the restaurant of Zijingang Campus.

Location: Hangzhou

Strategically located in the north of Zhejiang Province (East China), it is the capital city of a province famous for its natural beauty and historical & cultural heritages. Founded about 2200 years ago during the Qin Dynasty and at the south tip of the Grand Canal it has now become a regional political, economic and cultural center.

Hangzhou covers 16,600 square kilometers with a population of 6.4 million, including 683 square kilometers of city proper area and city population of 3.9 million people. 6 districts, 2 counties and 5 county-level municipalities are under its jurisdiction. It enjoys a subtropical monsoon climate with distinctive four seasons. Hangzhou has long been a popular tourist destination for hundreds of years, since the 14th century, when Marco Polo was here: he highly praised the city in his descriptions: "Kinsai (i.e. Hangzhou) is without doubt the finest and most splendid in the world." The West Lake undoubtedly ranks at the top of all the attractions in Hangzhou, noted for its scenic beauty that blends naturally with many famous historical and cultural sites. Besides, Lingyin Buddhist Temple (Temple of Soul Retreat), Dragon Well Tea Plantation, Liu He Pagoda (Six Harmony Pagoda) and the Mausoleum of General Yue Fei are also frequently visited by the tourists.
Accommodation I: Jinxi Hotel (Four-star)

Website: www.jinxihotel.com/weben/Public/Default.aspx

Address: No. 39 Yang Causeway, Hangzhou, China

The Hangzhou Jinxi Hotel as a four-star hotel is located on the beautiful west shore of the famous West Lake. The architecture of the hotel is a successful combination of the classic style of folk house in south of Yangtze River and modern flavor. Many guest rooms have particular views through the window, and they are equipped with a wide range of digital TV channels and free Internet access. The hotel offers the services of a professional and experienced meeting team and advanced meeting facilities. All of the meeting rooms have beautiful views through windows.

Accommodation II: Zhejiang Hotel (Quasi-five-star)

Website: www.zhejianghotel.com/cn/reservation.html

Address: No. 278, San Taishan Road, Hangzhou, China

Zhejiang Hotel is located at the center of the scenic area of Hangzhou, which has an area of 20 hectares. Many famous scenic spots of the West Lake, such as Linyin temple, Temple of General Yue Fei, Longjing Tea Garden, Tiger Spring, and Leifeng Pagoda are within walking distance to the hotel. Zhejiang Hotel was designed and built according to five star standards. The hotel has 333 guest rooms including Presidential Suite, Deluxe Suite, Executive Suite, Club Grand View Room, Club Superior Room, Grand View Room, Superior Room and other types of our rooms. Quietness, relaxation, fresh air and comfortableness are special features of our rooms.

There are 15 meeting rooms of different sizes in the hotel. The auditorium with original style has a space of more than 300 square meters. It can hold 200 guests to have meetings of all levels with individual stage and sound equipment. Other kinds of meeting rooms can meet the guest demands for different purposes. Professional, considerate, and personalized meeting service is provided with flexible meal arrangement. Zhejiang Hotel has two kinds of rooms, standard room and deluxe room (including a balcony), where they can supply a comfortable environment for rest.
Accommodation III: Union Lingfeng Hotel (*Three-star*)

**Address:** No. 140, Yugu Road, Hangzhou, China

The Union Lingfeng Hotel (Hangzhou Tongli Lingfeng Jiudian) is near Hangzhou's most popular attraction, picturesque West Lake, and is within easy reach of the Jade Spring as well as the Arboretum. Guests can select from standard rooms, deluxe single rooms and suites equipped with free broadband internet access. The hotel's three conference rooms are equipped with multimedia facilities. The on-site Chinese restaurant seats up to 300 diners. Additional facilities at this Hangzhou hotel include a business center, a lobby bar with wireless internet access, a beauty salon and a games room.

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**Pre-registration and Hotel Reservation:**

All conference participants must register and pay registration fee. Please fill out an attachment for Pre-registrations on the website.

The link: [http://www.ceu.zju.edu.cn/piccongress/c06.htm](http://www.ceu.zju.edu.cn/piccongress/c06.htm).

Every conference participants can choose to reserve hotel rooms on the congress website. **The price will be much lower if you book on this website.** Just open the page: [http://www.ceu.zju.edu.cn/piccongress/index.htm#](http://www.ceu.zju.edu.cn/piccongress/index.htm#), click the **Registration Fees** button, choose your favorite room and click the **BOOKING** button.
Registration Fee (**USD**): 

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<thead>
<tr>
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<th>Before April 30, 2011</th>
<th>After April 30, 2011</th>
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<tbody>
<tr>
<td>Industrial Delegates</td>
<td>$500</td>
<td>$600</td>
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<tr>
<td>Academia &amp; Government Delegates</td>
<td>$400</td>
<td>$500</td>
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<tr>
<td>Students</td>
<td>$200</td>
<td>$200</td>
</tr>
<tr>
<td>Accompanying persons</td>
<td>$100</td>
<td>$100</td>
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</tbody>
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**Registration fee for participants and students includes:**
- Proceedings (CD-ROM)
- Symposium bag and information package
- Admission to all symposium sessions throughout conference
- Admission to the exhibition area throughout conference
- Coffee, tea and refreshments during breaks throughout conference
- Continental Breakfast for all delegates staying at the Zhejiang Hotel
- Lunch Monday, Tuesday, and Wednesday
- Ending Reception on Wednesday, 8th June

**Accompanying person's fee includes:**
- Admission to the exhibition area throughout conference
- Coffee, tea and refreshments during breaks throughout conference
- Continental Breakfast for all accompanying persons staying at the Zhejiang Hotel
- Ending Reception on Wednesday, 8th June

**Cancellation and Refund Policy:**

Any cancellation, either partial or total, must be notified by writing to the Organizing Secretariat. The cancellation and refund policy will apply according to the arrival date of the written request.

**Registration**

Cancellations received before May 15th will be charged $150. After that date no refund will be possible, but substitution is allowed with no penalty.

**Hotel Accommodation**

Cancellations received before May 15th will be charged less the amount corresponding to the first night hotel accommodation requested. After May 15th no refund will be possible. All refunds will be processed after the end of the conference.
Transportation:

Airport

Hangzhou is served by Xiaoshan International Airport, which is located some 27 kilometers (17 miles) from downtown Hangzhou. There are daily flights to major cities and larger tourist cities in China. The airport also offers flights to and from Tokyo, Hongkong and Singapore.

Transportation between Hangzhou and Airports in Shanghai

Airport bus
Schedule:
Shanghai Pudong International Airport – Hangzhou (8:40, 10:10, 11:40, 13:10, 14:40, 16:10, 17:50)
Hangzhou – Shanghai Pudong International Airport (6:00, 7:30, 9:00, 10:30, 12:00, 13:30, 15:00, 16:00)

High-speed rail

A new high-speed rail line connecting Shanghai and Hangzhou has been put into operations since October, 2010. The new service shortens the travel time between HongQiao Railway Station (next to HongQiao Airport in Shanghai) and Hangzhou by 45 – 90 minutes.

Schedule:
Shanghai – Hangzhou (07:00, 08:00, 09:00, 10:00, 11:00, 12:00, 13:00, 14:00, 15:00, 16:00, 17:00, 18:00, 19:00, 20:00, 21:00, 07:50, 09:01, 14:50, 18:29, 20:19, 09:54, 13:47, 15:54, 17:25, 21:12, 06:32, 07:19, 07:38, 08:39, 09:17, 09:38, 10:20, 10:40, 11:30, 12:30, 13:20, 13:33, 14:20, 14:38, 15:21, 15:40, 16:20, 16:38, 17:10, 17:40, 18:17, 19:10, 19:30, 20:20, 20:40)
Hangzhou – Shanghai (07:00, 07:38, 08:00, 08:20, 08:38, 09:00, 09:20, 09:40, 10:00, 10:34, 10:40, 11:00, 11:19, 12:00, 12:17, 12:40, 13:00, 13:41, 14:00, 14:20, 14:37, 15:00, 15:20, 15:38, 16:00, 16:20, 16:33, 17:00, 17:17, 17:41, 18:00, 18:20, 18:38, 19:00, 19:16, 19:40, 20:00, 20:17, 20:39, 21:00)

Tips 1: Service for participants

On June 4th and 5th, we arrange guide services at the railway stations and airports, including Pudong International Airport (Shanghai), Hongqiao Railway Station (Shanghai), Huanglong transit bus station (Hangzhou), Hangzhou railway station (Hangzhou) and Xiaoshan International Airport (Hangzhou). If you have any question, you can refer to these and get all necessary information.

Tips 2: Service for those early participants

For those early participants, please show the following Chinese address to the taxi drivers, and they will guide you to the right place – Jinxin Hotel.

地址：杭州市西湖区杨公堤39号
电话：(0571)-87992288
Accompanying Persons’ Program:

Mt Huangshan
Duration: 3 day
Tour Price: $325
Tour Standard: Deluxe
Tour Highlights: Mt. Huangshan, Hongcun Village, Huangshan hot spring

Impressive Dragon Boat Night Cruise Tour
Duration: 1 day
Tour Price: $45
Tour Standard: Deluxe
Tour Highlights: Big dragon boat, Chinese folk band, Hubin Road

Putuo Island Buddhism Pilgrimage Two-Day Tour
Duration: 2 day
Tour Price: US$215
Tour Standard: Deluxe
Tour Highlights: Huiji Temple, Fayu Temple, Puji Temple

Wuzhen Town One-Day Tour
Duration: 1 day
Tour Price: US$75
Tour Standard: Deluxe
Tour Highlights: ancient houses, restaurants, pawnshops, weaving and dyeing establishments