



*Announcement and Call for Papers*

## **6<sup>th</sup> International Symposium on High Temperature Air Combustion and Gasification**

**Hosted by  
Gaswärme-Institut e.V. Essen**

**Essen, Germany  
October 17-19, 2005**

In order to promote international cooperation and information exchange related to high temperature air combustion and gasification, 1<sup>st</sup> International Symposium on High Temperature Air Combustion and Gasification was organized by Prof. Kunio Yoshikawa of Tokyo Institute of Technology under the sponsorship of Japan Science and Technology Corporation (JST) in Yokohama, Japan in January of 1998. Then the second one was held in Kaohsiung, Taiwan in January of 1999 hosted by ITRI (Taiwan), the third one was held in Yokohama, Japan in March of 2000 hosted by JST, and the fourth one was held in Rome, Italy in November of 2001 hosted by ENEA (Italy), the fifth one was held in Yokohama, Japan in October of 2002 hosted by JST.

**Following the very successful above five symposia, 6<sup>th</sup> International Symposium on High Temperature Air Combustion and Gasification will be held in Essen, Germany, during October 17-19, 2005.** This international symposium will provide a forum for exchange of information on the latest developments in high temperature air combustion and gasification technology worldwide. Specifically it will be most beneficial to combustion scientists and engineers, fuel technologists, environmental engineers and engineers and scientists engaged in the design and development of power equipment and for information exchange on the potential use of high temperature air combustion and gasification technology. The focus of this international symposium will be to provide information on latest developments and commercial application of the technology.

The symposium will be beneficial to researchers and engineers from academia, industry, research labs and government working in the energy and environmental area worldwide, in particular from Asia, Europe and USA.

## **Main Areas of Interest for the Symposium**

Any topics related to advanced combustion and gasification including

- Fundamental studies aimed at enhanced understanding of HTACG including recent industrial applications like heating processes, soaking pits and others
- Power generation, boilers, gas turbines, engines
- Furnaces, heating equipment, high performance furnaces
- Experimental studies on newer applications of HTACG
- Energy efficiency, emission control, combustion control
- Recent developments and industrial applications
- Fuel reforming and waste fuels utilization
- Simulation models for HTACG
- Hydrogen production and utilization
- High temperature heat exchangers

## **Schedule**

- October 16: Welcome reception
- October 17- 19: Conference
- October 20: Technical visit (optional)

## **Registration Fee**

Normal Fees 500 Euro (early payment by 16<sup>th</sup> August); 550 Euro (late payment)  
Accompanying person 150 Euro

## **Important Deadlines**

- 30 June, 2005: 500 words abstract
- 31 August, 2005: Camera ready manuscripts due

## **Scientific Committee**

Prof. Yoshikawa (Japan), Prof. Gupta (USA), Prof. Blasiak (Sweden), Prof. Cavaliere, Dr Milani (Italy), Mr Quenqueneau (France), Prof. Dobski (Poland), Prof. Coelho (Portugal), Dr Flamme, Prof. Görner, Prof. Weber, Dr Wünning (Germany)

## **Organizing Committee and local arrangement**

Dr Flamme, Dr Al-Halbouni, Mrs Moritz

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