THE THIRTY-SECOND INTERNATIONAL SYMPOSIUM ON COMBUSTION will be held the week of August 3-8, 2008 at McGill University, Montréal, Canada. Scientists, engineers, and others interested in combustion are invited to attend and participate in this biennial event. **SYMPOSIUM AGENDA:** The technical program will consist of oral sessions of contributed papers and poster sessions of work in progress. Invited lectures and topical reviews to be given by eminent specialists will also be arranged. Oral sessions will be organized into colloquia on topics of interest.

PROGRAM COMMITTEE and COLLOQUIA

Program Co-Chairs:

Mitchell D. Smooke, Yale University, USA
Hideaki Kobayashi, Tohoku University, Japan

1. **REACTION KINETICS including the kinetics of hydrocarbon fuels, NO_x and SO_x, mechanism generation, simplification, reduction and informatics of reaction systems**. Henry J. Curran, National University of Ireland, Ireland; Anthony M. Dean, Colorado School of Mines USA; Ulrich Maas, University of Karlsruhe (TH), Germany; Alison S. Tomlin, University of Leeds, UK

2. **SOOT, PAH AND OTHER LARGE MOLECULES such as dioxins and fullerenes including the physical and chemical processes affecting their formation, growth, and destruction**. Meredith B. Colket, United Technologies Research Center, USA; Andrea D'Anna, University of Naples Federico II, Italy; Markus Kraft, University of Cambridge, UK

3. **DIAGNOSTICS including the development and application of diagnostic techniques and sensors for the understanding, and control of combustion phenomena.** Jay B. Jeffries, Stanford University, USA; Robert P. Lucht, Purdue University, USA; Christof Schulz, University of Duisburg-Essen, Germany.

4. **LAMINAR FLAMES including experiments, theory, and simulations applied to premixed, non-premixed, and partially premixed flames along with their ignition, extinction, stabilization, instabilities, and interactions with flows**. Suresh K. Aggarwal, University of Illinois at Chicago, USA; Philip de Goey, Eindhoven University of Technology, The Netherlands; Satoru Ishizuka, Hiroshima University, Japan; Yiguan Ju, Princeton University, USA

5. **TURBULENT FLAMES including experiments, theory, simulations applied to premixed, non-premixed, and partially-premixed turbulent flames, and fundamental aspects of combustion dynamics**. Jacqueline H. Chen, Sandia National Laboratories, USA; Friedrich Dinkelacker, University of Siegen, Germany; Epaminondas Mastorakos University of Cambridge, UK; Thierry Poinsot, Institut de Mécanique des Fluides de Toulouse, France

6. **HETEROGENEOUS COMBUSTION and MATERIAL SYNTHESIS including fundamental aspects of combustion of solid fuels (e.g., coal, char, and biomass, including pyrolysis, gasification, and ash formation) as well as combustion of propellants and metals, catalytic combustion, and synthesis of nanoparticles and nanotubes**. Osamu Fujita, Hokkaido University, Japan; John Mantzaras, Paul Scherrer Institute, Switzerland; Christopher R. Shaddix, Sandia National Laboratories; Stephen D. Tse, Rutgers University, USA

7. **SPRAY AND DROPLET COMBUSTION including experiments, theory, and simulations applied to droplets, sprays, atomization, and supercritical combustion**. Antonio Cavaliere, University of Naples Federico II, Italy; Julien Reveillon, CORIA, France; Akira Umemura, Nagoya University, Japan

8. **DETONATIONS, EXPLOSIONS & SUPERSONIC COMBUSTION including pulse-detonation and scramjet engines**. In-Seuck Jeung, Seoul National University, Korea; Gary Sharpe, University of Leeds, UK; Mark Short, Los Alamos National Laboratory, USA

9. **FIRE RESEARCH including fundamental aspects of fires (in normal and reduced gravity), flame spread, combustion suppression as well as applications to building construction and urban/wildland fires**. Arvind Atreya, University of Michigan, USA; Weicheng Fan, University of Science & Technology of China and Tsinghua University, China; Arnaud Trouvé, University of Maryland, USA

10. **STATIONARY COMBUSTION SYSTEMS and ENVIRONMENTAL IMPACT including combustion in fluidized beds, incineration, utility boilers, plants and industrial applications, as well as the associated environmental impact and its mitigation**. Mário Costa, Instituto Superior Técnico, Portugal; Ichiro Naruse, Nagoya University, Japan; Graham J. Nathan, University of Adelaide, Australia

11. **IC ENGINE AND GAS TURBINE COMBUSTION including engines, (e.g., direct injection, spark ignition, diesel, and HCCI engines) as well as modeling, simulation, and phenomenological aspects of combustion in gas turbines (for propulsion and power generation)**. John E. Dec, Sandia National Laboratories; Andreas Dreizler, University of Darmstadt, Germany; Daniel C. Haworth, Pennsylvania State University, USA; Jerry M. Seitzman, Georgia Institute of Technology, USA

12. **NEW TECHNOLOGY CONCEPTS, REACTING FLOWS AND FUEL TECHNOLOGY including mini- and micro-combustors, mild combustion, plasma-aided combustion, oxy-fuel combustion, cool flame processes, hydrothermal reaction, fuel surrogates other novel combustion processes.** Derek Dunn-Rankin, University of California at Irvine, USA; Dimitrios Kyritsis, University of Illinois at Urbana-Champaign, USA; Kaoru Maruta, Tohoku University, Japan.

SELECTION OF PAPERS FOR PRESENTATION: *Authors must indicate their choice of Colloquium. Colloquium Co-Chairs will solicit and evaluate written reviews in their topic area and recommend papers for presentation. All accepted papers will be arranged into parallel sessions. Papers selected for presentation at the Symposium will be considered for publication in the Proceedings of The Combustion Institute.*

INSTRUCTIONS TO AUTHORS OF CONTRIBUTED PAPERS
Please read the instructions on the submission site carefully before submitting a paper

07 December 2007	Due date is midnight Pacific Standard Time (GMT-5hrs) for receipt of completed paper.
Week of 07 April 2008	Authors notified of acceptance.

For instructions on submission of papers go to: http://www.combustioninstitute.org

It is the authors' responsibility to ensure that the paper is received by midnight Pacific Standard Time of the due date of 07 December 2007. In anticipation that some authors may have unforeseen difficulties in finalizing or transmitting their papers, the electronic submission site will remain open until midnight Pacific Standard Time on 12 December 2007 to receive late papers. These will be reviewed depending on the response to the Call, the availability of reviewers and the discretion of the Program Co-Chairs.

WORK-IN-PROGRESS POSTERS: To provide a forum for presentation and discussion of work in progress, poster sessions will be scheduled to run concurrently with contributed oral sessions. Presentation in Work-in-Progress Poster Sessions will be determined on the basis of a **one-page abstract**. A full-length paper is not required. The materials presented in Work-in-Progress Sessions will not be published in the Proceedings of The Combustion Institute. The abstracts of these posters will be included in a book of abstracts. The sessions will be organized by the Work-in-Progress Poster Chair, Greg J. Smallwood, National Research Council, Canada

DUE DATE FOR SUBMISSION OF WORK-IN-PROGRESS POSTERS

21 April 2008	Due date is midnight Pacific Standard Time (GMT-5hrs) for receipt of abstracts
Week of 12 May 2008	Authors notified of decision for Work-in-Progress Posters

INSTRUCTIONS FOR WORK-IN-PROGRESS POSTERS
Please carefully follow all instructions on the submission site

For submission of a one page abstract go to: http://www.combustioninstitute.org

LOCATION AND TRAVEL: The 32nd International Symposium on Combustion will be held in Montreal, Canada, which is serviced by Trudeau International Airport. Summers are generally beautiful and can be hot and humid. The average day time high in August is 24°C (76°C); the average night time low is 15°C (59°C).

LOCAL ARRANGEMENTS: All technical sessions including the Opening Welcome Ceremony will be held at the downtown campus of McGill University.

Registration will begin on Sunday on campus at Redpath Hall. The Welcome Reception will follow at the Chalet on Mont Royal, a picturesque location that overlooks the entire city of Montreal. Bus transfers will be provided.

On Wednesday afternoon, delegates have the opportunity to discover Montreal's Botannical Gardens, Insectarium, and Biodome. This will be followed by an outdoor barbeque. Thursday's banquet will be held at the Marcé Bonsecours in the heart of the old port of Montreal. Delegates will get a chance to say farewell to colleagues and friends at the Farewell Reception on Friday, which will be held on campus at Redpath Hall.

ACCOMMODATIONS: Special rates have been negotiated with hotels near McGill University. Lower cost university residences will also be available. Please refer to the symposium website for more information:
http://combustion2008.mcgill.ca