

Newsletter

Newsletter No 21,
June 2006

Editor: James Mehaffey
jim.mehaffey@ott.forintek.ca

The proceedings for the 8th IAFSS symposium were available in January 2006 and already we are well into the planning process for the 9th IAFSS symposium to be held in Karlsruhe Germany in September 2008. We have an excellent core team in place: Dieter Brein (local arrangements), Anthony Hammins (program chair), and Bjorn Karlsson (volume editor). We had our first meeting this past March when Dieter was passing through the Washington DC area on his way to an ISO meeting. We got a great deal accomplished and we were all very excited about some new innovations for the next symposium. As ever, we are building upon our past successes and seeking to further improve the symposium. Of course, the symposium ultimately depends upon the efforts of hundreds of individuals and we will be looking to the membership to support the symposium in a wide range of roles.

To better focus our IAFSS committee work, we are organizing the committee into the various working groups chaired by officers of IAFSS. The working groups cover areas of importance to IAFSS operations and growth. These working groups include Member Communications/Services (Jim Mehaffey), Awards (Mario Fontana), Program (Yuji Hasemi), Outreach (Dougal Drysdale), Operations/ Finance (Bob Bill), and Strategic Planning (Bodzio Dlugogorski). Each IAFSS committee member is assigned to at least one of the working groups. The executive committee will be meeting shortly via telephone conference to work out specific action items for the respective working groups. I will report the plans developed by the executive committee and the progress made in the next newsletter.

This spring the Fourth International Workshop Structures in Fire, SiF'06, was held at the University of Aveiro, Portugal. I remember attending the first workshop in Copenhagen, just after the SFPE Performance Based Design Symposium in Lund. It was a small group (~30 as I recall), but a very useful gathering of people interested in the response of structures to fire. The meeting this spring had 150 participants! The workshops, originally organized by Jean-Marc Franssen, have now transitioned to a steering committee to plan future activities. The next meeting will be the Fifth International Conference on Structures in Fire, SiF'08. This is a wonderful example of the emergence of an active specialist meeting that has clearly served the fire science community. I want to congratulate all those who have made this ongoing series of meetings an important contribution to the development of the science of predicting the response of structures to fire, especially Prof. Jean-Marc Franssen. They are an inspiring example to us all.

Similarly, the human behavior community has organized a series of conferences, Human Behaviour in Fires, (three so far) which have been extremely important catalysts for research in this area. While human behavior has always been an important focus of IAFSS symposia, it has been wonderful to see this area developing more rapidly over the past decade. The first symposium was organized by a committee chaired by Prof. Jim Shields.

The 1st to 4th International Seminars on Fire and Explosion Hazards were originally organized by the All-Russian Research Institute for Fire Protection and later transitioned to the UK. While a broad based fire science meeting, it has a unique industrial fire hazards and protection focus.

In the US, there has been an ongoing symposia sponsored by the NFPA Research Foundation on Fire Suppression & Detection and on Fire Risk & Hazard Assessment. SFPE regularly organizes an international meeting on International Conference on Performance-Based Codes and Fire Safety Design Methods.

Of course there are many other fire science specialist meetings that you will regularly find announced in the newsletter. IAFSS seeks to encourage and support the development of specialist meetings that can enhance the development of fire science. If you are considering developing a specialist meeting, IAFSS would like to encourage and facilitate your activities. Whether the activities are formally an IAFSS activity or simply an independent activity of researchers in fire science, IAFSS is committed to improving communications between researchers in all fields of fire science.

In this issue

IAFSS NEWS

- Letter from the Chairman
- Proceedings of the 8th Symposium

ORGANIZATION NEWS

- WPI
- University of Ghent
- Fire and Building Educational Resource Collection
- NIST Conference Report
- 4th International Workshop on Structures in Fire, SiF'06
- The 2006 Rashbash Lecture
- 2005 AAES National Engineering Award
- Fire Protection Research Foundation

PUBLICATIONS

Fire Safety & Technology Bulletin
NEW BOOKS:
Apte: Flammability testing
Schneider: Fire Safety in Tunnel Fires

- Obituaries

POSITIONS

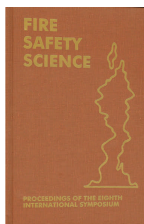
- Physical Scientist at Building and Fire Research Laboratory of NIST
- Faculty Position at Oklahoma State University
- University of Central Lancashire
- Research Associate in Hydrogen Safety at the University of Ulster

MEETINGS

- 6th International Symposium on Hazards, Prevention, and Mitigation of Industrial Explosions
- Fire Safety in Tall Buildings
- 3rd International Fire Ecology and Management Congress
- Fire and Materials 2007 Conference
- SAE Fire Safety Sessions
- 5th International Seminar on Fire and Explosion Hazards
- 1st Announcement: Interflam 2007
- 3rd International Symposium of Tunnel Safety and Security

Craig Beyler

Proceedings of the 8th Symposium



This is a reminder to IAFSS members that Fire Safety Science: Proceedings of the 8th International Symposium held 18-23 September, 2005 in Beijing, China, (Editors: D Gottuk, B Lattimer) is available for purchase. The price of \$100/£62 (\$120/£75 non-members) includes a CD ROM of the papers in pdf

For a full table of contents follow this link:

<http://iafss.org/html/books.htm>

ORGANIZATION NEWS

Worcester Polytechnic Institute

A new professor of Fire Protection Engineering has been hired at WPI. His name is Ali Rangwala and he will join the faculty in July, 2006. Prof. Rangwala has a Ph.D. in Mechanical and Aerospace Engineering from the University of California, San Diego. He also holds an M.S. in Fire Protection Engineering and a B.S. in Electrical Engineering. Prof. Rangwala's areas of research are flame spread on solid fuels and compartment fire modeling. Prof. Rangwala will teach a new class in Combustion during the fall of 2006. The course will be offered on Fridays from 1:00 - 3:50 in Higgins 114 and registration is now open. Please direct any questions regarding the course to Prof. Kathy Notarianni, Head, Department of Fire Protection Engineering at kanfpe@wpi.edu.

Ghent University

Ghent University, Belgium, has decided to organise a new program leading to a Master of Fire Safety Engineering. Access is preserved to persons who already have a master's degree in engineering and/or experience in fire safety engineering. The one academic year program will be spread over two years. The first edition starts in September 2007 and is thus completed by July 2009. The courses will be taught in English. The content is based on the model curriculum "A Proposal for a Model Curriculum in Fire Safety Engineering", Fire Safety Journal (1995). The initiative has been taken by Prof. P. Vandeveldel and Prof. B. Merci.

Fire and Building Educational Resource Collection

The National Science Foundation (NSF), the National Institute of Standards and Technology, Building and Fire Research Laboratory (NIST/BFRL), and Worcester Polytechnic Institute (WPI) have formed a partnership with the purpose of creating a digital library for the building and fire science communities. This digital library, known as FABERC (pronounced "Fabric"), consists of an online collection of resources - and a calendar of events - accessible through a central portal at www.faberc.org <<http://www.faberc.org>>.

Search engines deliver a glut of links to results with little assessment or evaluation of applicability to a specific field; online portals enhance search capabilities, provide evaluation of content quality, aggregate results, and enable browsing by categories. FABERC serves as a clearinghouse or collection of collections that are pertinent to the fire science and related building fields, with many and varied partners developing, contributing, and maintaining their own collections; thus, no single entity "owns" FABERC. Some information and multimedia is freely available and some organizations may charge a fee to download specified reports, statistics, journal articles, etc. Current collections include publications and multimedia from NIST/BFRL; fire and sprinkler imagery from WPI; and a collection of materials for use in the classroom, funded by the Society of Fire Protection Engineers.

It is hoped that FABERC will extend access to existing resources, encourage collection development, and enable content owners to control access to their materials. Eventually, FABERC will contain collections and items on such varied topics as:

- * Building material properties
- * Fire phenomenological data for simulations
- * Egress data
- * Fire Investigation reports
- * Economic models and data
- * Reliability of fire systems
- * Educational packets

Partnership is being sought with other organizations to enhance the FABERC effort by participating in collection development, accession of existing resources, and event scheduling activities (for the Calendar). FABERC is intended for, among others, architects, engineers, manufacturers, authorities having jurisdiction, contractors, owners, fire investigators, and educators. For more information, please contact John Woycheese (jpw@faberc.org) or visit www.faberc.org <<http://www.faberc.org>> .

NIST Conference Report

On April 3rd and 4th, 2006, the Fire Research Division of the Building and Fire Research Laboratory (BFRL) held its conference on fire research at the NIST campus in Gaithersburg. Approximately 100 participants from universities, government agencies, and the private sector heard more than 30 talks spanning a wide range of fire related topics given by the staff of BFRL and its grantees (A description of the Fire Grants Program and information on submitting proposals can be found at <http://www.bfrl.nist.gov/866/extramuralprogram.htm>).

This event revived a tradition that began in 1977 under the auspices of the NBS Center for Fire Research. For its first six years, the Conference on Fire Research was held on an annual basis. After 1982, however, the event was sometimes held in conjunction with other fire and combustion meetings. Prior to April 3rd, the last conference on fire research was convened in 1999 as the International Conference on Fire Research and Engineering (ICFRE). ICFRE was cosponsored by both NIST and the Society for Fire Protection Engineers.

In his opening speech at the first conference, Dr. John Lyons, then Director of the Center for Fire Research (and later, NIST Director from 1990-1993), remarked that "We at NBS regard this work of our grantees as an integral part of our program, in fact an indispensable part." In this spirit, the primary objectives we hoped to achieve by reviving the fire conference was to reinforce existing relationships between our internal research and our external fire research grants program and to establish new connections with prospective grantees and sponsors. In this respect, the conference was a big success. The discussions invoked by the presentations were plentiful and lively. Many continued well into Monday night as the participants enjoyed dinner at a local restaurant.

The theme of this year's conference was "Roles of First Responders in Homeland Security." After BFRL Director, Dr. James Hill, welcomed the conference attendees on Monday morning, an official from the Science and Technology Directorate of the Department of Homeland Security (DHS), Mr. Randall Griffin, gave the first keynote talk. Mr. Griffin summarized the DHS strategy for improving the preparedness of first responders. During the remainder of the day, the participants heard talks on performance standards for firefighting technologies, occupant egress from buildings, interactions between fire and structures, and developments in building codes and standards.

The keynote speaker for Tuesday's sessions was Professor Fan from the State Key Laboratory of Fire Science, University of Science and Technology (China). Professor Fan gave an overview of the status of fire research in China

After that, BFRL staff and grantees gave talks on fire metrology and modeling, fires in the wildland-urban interface, materials flammability, and toxicity. During the break periods, the conference participants had the opportunity to view more than twenty posters that were on display in the hallway outside of the lecture room for both days of the conference. These posters reviewed progress made in our four programmatic thrust areas: Fundamental Fire Science, Reduced Risk of Firespread, Advance Fire Service Technologies, and Research for Safety of Threatened Buildings. The conference program and some of the presentations can be viewed on the BFRL web site <http://www.bfrl.nist.gov/info/fireconf>.

Dr. William Grosshandler, Chief of BFRL's Fire Research Division has already made the decision to hold another Conference on Fire Research in 2007. The Conference Chairs will be Dr. Jiann Yang and Dr. Anthony Hamins.

Marc Nyden, Group Leader, Materials and Products Group, BFRL, NIST

4th International Workshop on Structures in Fire, SiF'06

The 4th International Workshop Structures in Fire – SiF'06 was held from 10th to 12th May 2006 in the University of Aveiro and was organized by its Department of Civil Engineering under the auspice of the SiF - International Movement Structures in Fire. A total of 134 delegates from 24 countries attended the Workshop distributed as follows: Australia (3), Austria (2), Belgium (3), Brazil (5), Canada (3), China (3), Czech Republic (2), Finland (2), France (8), Germany (6), Iceland (1), Italy (4), Japan (4), Lithuania (1), Luxembourg (2), New Zealand (3), Portugal (19), Singapore (1), Spain (3), Sweden (6), Switzerland (2), The Netherlands (2), United States of America (13) and United Kingdom (36). Papers had been accepted on the basis of their quality and originality. In response to the call-for-papers, 133 abstracts were received, from which 111 were selected by the Scientific Committee for possible presentation at the Workshop. These abstracts led to 91 technical papers published in the proceedings and were grouped into the following topics:

- Steel, Stainless Steel and Aluminium Structural Members (25 papers)
- Steel Connections (6 papers)
- Composite Structures (8 papers)
- Structural Behaviour (13 papers)
- Concrete Structures (21 papers)
- Timber Structures (9 papers)
- Fire Safety Engineering (5 papers)
- Other topics (4 papers)
-

The Proceedings of the Workshop was edited by Paulo Vila Real (University of Aveiro), Jean-Marc Franssen (University of Liege) and Nuno Lopes (University of Aveiro), ISBN 972-789-190-X, and copies may be obtained by request from Professor Paulo Vila Real (email: pvreal@civil.ua.pt) or downloaded <http://www.civil.ua.pt/Downloads/Downloads.asp>

During the 4th Workshop it was decided that the responsibility to lead the SiF Movement in the future will be shared by four members of the steering committee that has been formed, namely Prof. Jean-Marc Franssen, Prof. Andy Buchanan, Prof. Venkatesh Kodur and Prof. Paulo Vila Real.

Prof. Paulo Vila Real, Universidade de Aveiro

The 2006 Rashbash Lecture

Professor David Lucht, Past Director of the Centre for Fire Safety Studies at Worcester Polytechnic Institute, delivered the 2006 *Rashbash Lecture* at an event hosted by the Institution of Fire Engineers in London, UK on June 15, 2006.

The title of Prof. Lucht's lecture was "Issues and Opportunities for the Future of Fire Engineering". Professor David Rashbash was a pioneer in the field of fire engineering and was the first Professor of Fire Engineering at the University of Edinburgh

2005 AAES National Engineering Award

The American Association of Engineering Societies (AAES) recognized Harold E. (Bud) Nelson, with its 2005 National Engineering Award. This award recognizes inspirational leadership and tireless devotion to the improvement of engineering education and to the advancement of the engineering profession, as well as to the development of sound public policies as an engineer-statesman. AAES presented the award to Bud Nelson at its Annual Award Banquet on Monday, May 8, 2006.

Throughout his career, Mr. Nelson applied the advances in fundamental fire research to practical engineering problems and building fire investigations, and in the process developed and disseminated new engineering methodologies for broader use by practicing professionals. As the Director of the Accident and Fire Prevention Division (1958-1975) at the General Services Administration (GSA), Nelson's leadership was integral in establishing GSA's international reputation as a leader in fire safety for high-rise buildings. After GSA, Nelson served as a Senior Research Engineer and group manager from (1975-1992) at the National Institute for Standards and Technology (NIST). At NIST, Nelson conducted groundbreaking research in the areas of fire risk appraisal, human behavior in fires, and fire safety for persons with disabilities. Nelson also developed a fire hazard grading system that is now utilized in the national fire codes. After retiring from Federal government service, Bud Nelson joined Hughes Associates, Inc., a global fire science and engineering consulting firm, where he continued to contribute for 10 years (1992-2002) by advancing computer based engineering tools used in modeling fire growth and fire hazards development, and in fire investigation.

Fire Protection Research Foundation

The Fire Protection Research Foundation has a number of projects underway that are of interest to IAFSS members. One project, undertaken jointly with the National Research Council of Canada, involves small and large scale laboratory and field studies of detector performance in roadway tunnels. A grant from the U.S. Fire Administration is funding projects on the waking effectiveness of smoke alarms for the elderly, on vehicular fire safety research and education, and on methods to incorporate risk and security concepts into NFPA standards. The foundation has also convened a number of meetings. In February and early March, the Foundation facilitated two meetings to scope research programs designed to study the effectiveness of dust explosion protection systems. On March 3, 2006, twenty-five representatives from academia, construction product manufacturers, insurance, and trade associations, and SFPE met under the auspices of the Foundation to discuss possible research projects aimed at addressing certain aspects of the recommendations developed by the NIST's Building and Fire Research Laboratory as a result of their investigation of the World Trade Center Collapse. On April 18, the Foundation facilitated a meeting between the NIST's Building and Fire Research Laboratory and potential industry and government sponsors to discuss collaboration with NIST in this project which will correlate the results from four candidate bench scale tests with full scale test data.

PUBLICATIONS

Fire Safety & Technology Bulletin

Fire Safety & Technology Bulletin, a monthly publication, is available by electronic subscription only. Enquiries concerning subscriptions and advertising should be addressed to Marcelo M. Hirschler (gbhint@alo.com) or Stephen J. Grayson (s.grayson@dial.pipex.com).

New Book edited by Vivek B Apte

A book titled "Flammability testing of materials used in construction, transport and mining" and edited by Dr Vivek B. Apte has been recently published by Woodhead Publishing and Maney Publishing, UK. The book contains 16 chapters written by leading fire scientists and engineers from Australia, USA, UK, New Zealand, and Sweden. It presents current trends in the following areas: fundamentals of flammability; tests for materials used in buildings and their contents - wood, external cladding, sandwich panels, walls and ceiling; tests for furniture fabrics, cables and electrical appliances; tests for railway passenger cars, aircraft, ships and submarines; large scale tests in road tunnels; tests for underground mining sector. Dr Vivek Apte, a Senior Fire Safety Consultant with Warrington Fire Research, Australia, can be contacted at vivek.apte@wfra.com.au. Dr Apte was formerly a Senior Research Scientist with CSIRO and, before that, a Senior Specialist with TestSafe Australia.

New Book by Ulrich Schneider

For IAFSS members who read German, we would like to draw your attention to the recently published edition of Professor Ulrich Schneider's book on "Fire Safety Practice in Tunnel Construction". More information is available at <http://www.bauwerk-verlag.de/cgi-bin/katalog.pl?ac=si&g=001002&i=3-89932-037-9>

OBITUARY

Margaret Harkleroad, *Physicist, Golfer*

adapted from the Washington Post, Wednesday May 3, 2006

A publication in *Fire Technology* (4, 1981) produced a formula for estimating the temperature of the out-flowing gases in a compartment fire. That formula, gained in popularity for its generality and accuracy, became commonly known for its NIST's authors by the acronym: MQH. The H stood for Harkleroad, Margaret F. who passed away on April 26, 2006. Margaret worked as a fire scientist for NIST during the period of 1974 to 1989. She began her career in fire research as a computer programmer, but later moved to the laboratory.

She began working for the government in 1948, doing underwater sound research at the David Taylor Model Basin, where she held a joint patent for gas concentration measurement. In 1974, she returned to physics after raising a family, joining the fire research program at NIST. She was an author of more than 20 scientific articles.

In the laboratory, she teamed with Alex Robertson to develop a test for flame spread that was later adopted by ASTM, ISO and IMO. Margaret chaired the committee that led to the ASTM E 1321: Standard Test for Determining Material Ignition and Flame Spread Properties. That test was adopted in record time in just over one year – a credit to Margaret's technical development and her diplomacy.

Margaret played out her retirement years as a "fanatical golfer" according to her family. She was a former women's club champion at Lakewood Country Club in Rockville, and was also a competitive member and local representative of the Women's District of Columbia Golf Association, and in her later years she ran tournaments for the association.

She was born in the family farmhouse in Ernul, N.C. She

graduated from the former Women's College of North Carolina with a degree in physics in 1948. That year, she also obtained a pilot's license, becoming one of the first women in the state to do so.

She was a gentlewoman of quiet competence and steady work. She made significant contributions to fire research without receiving much recognition or demanding any. She will be remembered.

Survivors include her husband of 55 years, Ed Harkleroad of Rockville; three children, David Harkleroad of Trumbull, Conn., Teresa Cox of Highland, and Brian Harkleroad of Centreville; two sisters; and two grandchildren.

J. G. Quintiere

POSITIONS

Physical Scientist at Building and Fire Research Laboratory of NIST

The Building and Fire Research Laboratory (<http://www.bfrl.nist.gov/>) at the National Institute of Standards and Technology (NIST) in Gaithersburg, Maryland (USA) seeks outstanding applicants for the position of Research Physical Scientist. Among other research activities, the Building and Fire Research Laboratory uses experiments, analysis, metrology, and advanced computer simulations to improve predictions associated with fire phenomena.

Theoretical or computational training and experience is required in at least one of the following areas: applied mathematics, structural engineering, solid mechanics, or heat transfer. Experience in analysis of thermal processes, particularly fire or combustion phenomena, and two years past a Ph.D. in an academic, corporate, government, or similar environment are desirable. Letters of interest should include a resume, writing sample, and list of references addressed by Email to: Anthony.Hamins@nist.gov. **U.S. citizenship is required.** Further information is available at: http://www.bfrl.nist.gov/866/APG_vacancy.htm

Faculty Position at Oklahoma State University

The College of Engineering, Architecture and Technology within Oklahoma State University invites applications for a full-time, Professor/Associate Professor and Department Head, Fire Protection and Safety Technology. The successful applicant will have an earned MS in engineering, or science in a closely related technical area, along with advanced study and/or experience in fire dynamics, fire systems, industrial safety or industrial hygiene. An earned doctorate in a related technical field and professional registration/certification are highly desirable attributes. Relevant industrial experience in fire protection, industrial safety or occupational health is expected. Applicants should have a strong commitment to excellence in undergraduate teaching and academic service. The overall responsibility is to provide outstanding leadership for the only TAC/ABET accredited program in the United States. The Fire Protection & Safety Technology Department is part of the Division of Engineering Technology and is an actively engaged part of the University and recognized for fostering strong student-faculty and faculty-employer relationships. In addition to administrative duties, teaching of undergraduate students is required. The department also has a new laboratory facility which is just coming on line, and research is a growth area. To ensure full consideration, applications must be received by **July 31st**. Applications will be accepted until the position is filled. Qualified applicants should submit curriculum vitae, a letter of application including a statement of teaching philosophy, and the names addresses and telephone numbers of three references to: Dr. James E. Bose, P.E., Head, Division of Engineering Technology, Oklahoma State University, 294 Cordell South, Stillwater OK 74078. Submission may be made electronically to jim.bose@okstate.edu.

University of Central Lancashire

The Department of Built Environment is seeking a Lecturer/Senior Lecturer in Fire Engineering. The Centre for Research in Fire Explosion Studies was established in 1994. The Centre's research has resulted in the development of the well-established under and postgraduate Fire Safety Engineering Programme, which since its launch in 1993 has been an integral part of the Centre activity. It is into this successful and growing environment that you will be joining us, with specific input into teaching modules in fire engineering design and undertaking experimental research projects. Your background should incorporate experience in either engineering design, experimental laboratorial/fields works or within industry and include teaching/lecturing in relevant engineering areas. The closing date is 30th June 2006 at 4pm. **Informal enquiries** may be made to Professor Georgy Makhviladze: tel 01772 893222, fax 01772 892916, email: GMakhviladze@uclan.ac.uk. Apply on line and obtain further details at <http://www.uclan.ac.uk/other/hr/jobs/external.htm#176> or call (0)1772 892324 quoting reference number Ref: 176C-16-06.

Research Associate in Hydrogen Safety at the University of Ulster

A fixed term (3 years) position as a Research Associate in Hydrogen Safety is available at the University of Ulster, see http://www.ulster.ac.uk/jobs/display_job.phtml?id=1999. The successful candidate will undertake doctoral studies in the emerging field of hydrogen safety, build long-term collaborations, make a contribution to overcoming fragmentation of European research in the field and close knowledge gaps. The thrust will be on computational fluid dynamics for hydrogen releases, distribution, ignition, jet fires, deflagrations, detonations, and mitigation technologies, etc. Salary is above Euro 32,000 p. This is a good starting salary for researcher in his/her first 4 years of research activity (full-time equivalent). Under the rules of this EU Marie Curie fellowship researchers with a doctoral degree are not eligible. Researchers for employment at UK cannot be a UK national, nor can they have resided in the UK for more than 12 months in the 3 years immediately prior to their appointment (1 September 2006). The deadline for applications is **7 of July**, and the interview dates are **14 & 15 August 2006**.

CONFERENCE NOTICE BOARD

6th International Symposium on Hazards, Prevention, and Mitigation of Industrial Explosions

The 6th International Symposium on Hazards, Prevention, and Mitigation of Industrial Explosions will be held August 27 - September 1, 2006 at Dalhousie University in Halifax, Nova Scotia, Canada. Details of the symposium can be found at <http://che.chemicalengineering.dal.ca>.

Fire Safety in Tall Buildings

The International Congress on Fire in Tall Buildings will take place at the University of Cantabria (Spain) on October 19, 2006. Recent fires in tall buildings have shown serious problems for life safety and structural integrity. This Congress is aimed to professional and technical personnel and also for senior students. To receive more detailed information contact the Organising Committee at espinap@unican.es

3rd International Fire Ecology and Management Congress

The 3rd International Fire Ecology and Management Congress will be held at the Town and Country Resort, San Diego, November 13-17, 2006 (<http://emmmps.wsu.edu/firecongress/>). The Congress provides a week long focus on the science and technology that are the basis for the management of wildland fire.

Fire and Materials 2007 Conference

The FIRE AND MATERIALS Conference will be held in San Francisco January 29-31, 2007. FIRE AND MATERIALS is a major international forum for those interested in the fire performance of materials, composites and the products into which they are made. The conference is targeted at the needs of researchers, regulators, designers and those in industry with a specific interest in how materials resist and react to fire. Up-to-date information on new materials, applications, assessment techniques and regulatory issues will be presented. Each conference focuses on specific issues as well as those of general and of on-going interest in the fire safety field. Due to the amount of papers submitted for the last conference the Programme Committee has decided to extend the 2007 event over 3 days.

The Programme Committee has targeted specific areas for presentation and invites papers on the following:

- Fires in Building
- Cables and other Electro-technical Applications
- Furniture and Furnishings
- Flame Retardants and new FR Applications
- Fire Investigation
- Wildland fires and the Built Environment Interface
- Fire Dynamics
- Transportation

A one-page abstract should be submitted for review by July 31, 2006. Authors will be advised of acceptance by September 1, 2006. A final version of the paper is required by December 15, 2006, this will be published in the bound set of conference proceedings. For details on how to submit an abstract please see:

<http://www.intercomm.dial.pipex.com/html/events/fm07a.htm>

SAE Fire Safety Sessions

Since 2005, the World Congress of the society of Automotive Engineers (SAE) has included sessions on fire safety. The Call for Papers for April 16-19, 2007 World Congress in Detroit, Michigan is posted at: <http://www.sae.org/congress/techprogram/cfp.htm>. Six sessions on Fire Safety have been planned:

- B11. Electrical Fires
- B12. Fire Statistics and Analysis
- B13. Hydrogen Vehicle Fire Safety
- B14. Material Flammability and Fire Experiments
- B15. Underhood Fires
- B16. Vehicle Fire Propagation
-

The abstract submission deadline for these sessions has been extended to June 30, 2006. The Abstract should be 200-300 words and should be submitted on line. The full papers are due in September.

5th International Seminar on Fire and Explosion Hazards

A Call for Papers has been released for the 5th International Seminar on Fire and Explosion Hazards which will be convened April 23-27, 2007 in Edinburgh, UK. Advances in combustion, fire and explosion sciences have a significant impact on the solutions to problems facing fire and explosion safety engineering. The 5th ISFEH will focus upon the application of these advances and will encourage further research to understand hazards, and prevent and mitigate the adverse effects of fires and accidental explosions. Authors are invited to submit a manuscript or poster for presentation at the seminar. Manuscripts and posters will be reviewed on the basis of an extended abstract of not more than two pages. The abstract submission deadline for papers is September 1, 2006 and for posters February 1, 2007. Further information and the Call for Papers may be found at: <http://www.sec.ed.ac.uk/feh5/feh5.pdf>

1ST Announcement: Interflam 2007

Interflam is well known for its friendly, welcoming atmosphere and for nurturing high levels of inter-disciplinary networking between fire professionals. It especially brings together established researchers and students. This unique combination encourages the exchange of ideas, which in turn stimulates the level and quality of debate both inside and outside the technical sessions. The conference format, that includes plenary, parallel and poster sessions, traditionally accommodates a programme of over a 100 presentations. The residential setting and extensive evening social programme maximises delegate networking and allows all participants plenty of time for relaxed interaction during out-of-session activities.

The venue for the 11th conference will be at London University's Royal Holloway College which is in a parkland campus close to Windsor and conveniently situated off the M25 motorway (Junc13) and just 15 minutes from Heathrow airport and on the direct train line from London Waterloo connecting with Eurostar services (35 minutes).

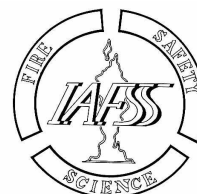
Abstracts will be due on **31st December 2006**. One author per technical paper will be entitled to register for the conference at a highly subsidised rate.

Details from: Interflam Secretariat, Interscience Communications Ltd West Yard House, Guildford Grove, Greenwich, London SE10 8JT, UK. Tel: +44 (0)20 8692 5050; Fax: +44 (0)20 8692 5155; E-mail: intercomm@dial.pipex.com Web: www.intercomm.dial.pipex.com/html/events/interflam07a.htm

3rd International Symposium of Tunnel Safety and Security

Global concern for improving tunnel safety and security has prompted the planning for the 3rd International Symposium of Tunnel Safety and Security in Göteborg, Sweden March 12-14, 2008. Authors are invited to submit an extended abstract (not more than 2 pages) of a manuscript or poster for consideration for presentation at the seminar. Manuscript abstracts should be submitted to the secretariat by June 1, 2007 and poster abstracts by October 1, 2007. More information concerning the seminar will be posted on the website (www.sp.se/fire/ISTSS2008) as it becomes available.

IAFSS OFFICERS AND COMMITTEE 2005-2008



- Chairman:** Dr Craig Beyler
- Vice-Chairmen:** Prof Mario Fontana, Switzerland
Prof Yuji Hasemi, Japan
Dr James Mehaffey, Canada
- Secretary:** Prof Bogdan Dlugogorski, Australia
- Treasurer:** Dr Robert Bill, USA
- Immediate Past Chairman:** Prof Dougal Drysdale
- Executive Members:** Prof Geoff Cox, UK
Prof Fan Weicheng, China
- Members:** Dr Vytenis Babrauskas, USA
Mr Dieter Brein, Germany
Prof W-K Chow, Hong Kong, China
Dr David Evans, USA
Dr Charles Fleischmann, New Zealand
Dr Anthony Hamins, USA
Dr Yaping He, Australia
Prof Pierre Joulain, France
Dr Björn Karlsson, Iceland
Dr Suresh Kumar, UK
Prof Patrick Pagni, USA
Dr Guylène Proulx, Canada
Dr Ai Sekizawa, Japan
Dr Osami Sugawa, Japan
Prof Jose Torero, UK

Secretariat

Carole Franks
C/o Interscience Communications
West Yard House
Guildford Grove, Greenwich
London SE10 8JT, UK
Tel: +44 (0)20 8692 5050
Fax: +44 (0)20 8692 5155
Email: iafssmembers@dial.pipex.com