

Brookhaven National Laboratory
2004 National Oilheat Research Alliance Technology Symposium
Call for Papers

Brookhaven National Laboratory (BNL) is currently working with the U.S. Department of Energy, the National Oilheat Research Alliance, the New England Fuel Institute and the Petroleum Marketers Association of America to bring together the latest in oilheat technology research and development for the 2004 National Oilheat Research Alliance Technology Symposium. This symposium will be presented on August 24-25, 2004 in Providence, Rhode Island and will be part of the 2nd Oilheat Visions Conference. BNL is inviting potential authors who wish to be considered, to submit abstracts for technical papers related to oilheat technology and the *Clearburn Science* of oilheat.

The technology symposium will be designed to bring together oil heat marketers, individuals responsible for engineering design, research and development, the manufacturers of residential oil heating equipment, organizations active in the field of comfort technology, and representatives of the oilheat service technician and service manager community. Papers for presentation are sought in any of the following areas as applicable to residential and light commercial oil-fueled appliances.

- new oil burner technology developments including staged & modulating input
- innovative oil fired residential heat exchanger designs
- new appliance or space heating system technology designs
- oil fired absorption cooling technology
- oil fired distributed power generation technology
- combined function oil fueled energy systems
- new controls technologies for oil-fired residential heating appliances
- oil nozzles, fuel oil atomization, fuel pre-heaters, stop drip mechanisms
- environmental emissions reduction, evaluation, or characterization
- low nitric oxides (NO_x) technology, resulting from burner design, system optimization, or fuel changes
- low sulfur fuel experience, either in laboratory and/or in the field
- bio-fuel technology, fuel specifications, fuel storage, or market experience
- oil appliance venting, alternative methods, design approaches, field problems, codes
- fuel performance research, corrosion deposition or fouling issues
- oilheat technology and its relationship to industry education.

Abstracts of about 500-750 words describing the proposed papers and planned content should be submitted to Brookhaven National Laboratory by March 15, 2004 for consideration. Please submit abstracts that are specific with regard to the intended content of the final paper. Papers must be oriented towards technology advancements or research in the field of residential or commercial oilheat technology. Papers should present a topic related to research or development that has or will advance the state of the art in oilheat technology related to gains in efficiency, improved reliability, reduced maintenance requirements, environmental benefits, improved safety, consumer satisfaction, or improved economics related to the technology.

The purpose of this symposium is to inform and transfer knowledge of new advancements in the field of oilheat technology and to promote interactions and discussions that will lead to further improvements. Papers should be informative; presenting well documented technical advancements in the art of oilheat technology. The symposium is not intended to be a forum to advertise specific products. Abstracts selected for the symposium will be reviewed and approved by a panel of oilheat industry representatives. Guidance as to the appropriate content and nature of a specific paper topic will be provided upon request. Abstracts and papers that are deemed to have strong commercial advertising content will not be accepted.

Authors will be notified of abstract approval by March 31st, 2004. Complete papers must be submitted by May 31st, 2004 to allow time for paper review, author revision (only if required) and publication. The symposium report will be edited, prepared and published by the staff at BNL. We request that papers be presented in Microsoft Word format for ease of report assembly and up to ten pages in length as a general guideline. Submission by e-mail file attachment is preferred. Papers must be submitted on time (May 31st, 2004) or the presentation will likely be eliminated from the agenda. The technology symposium will be scheduled at some point in the two-day conference agenda planned for August 24-25, 2004 and announcements will be published in the trade press as well as the conference agenda. Please submit abstracts, papers, and direct inquiries to:

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