

CALL FOR PAPERS

16th International Conference on MHD Energy Conversion

**25 – 28 June 2007
Hyatt Regency Miami
Miami, Florida, USA**

Dear Colleague,

Included with this letter is the Call for Papers for the 16th ICMHD. The conference is organized by the International Liaison Group on MHD Energy Conversion in cooperation with the American Institute of Aeronautics and Astronautics (AIAA).

This 16th ICMHD is to be co-located with the 38th AIAA Plasmadynamics and Lasers Conference. Conference arrangements are being coordinated by the American Institute of Aeronautics and Astronautics (AIAA). The complete Call for Papers is provided through the AIAA website – the attached Call for Papers is tailored to the 16th ICMHD.

Procedures for submission of Abstract and final Manuscript are provided in the attached AIAA announcement and on the AIAA website. For participation in the 16th ICMHD, it is further requested that you also submit an electronic copy of your Abstract directly email to jlberry@lytec-tn.com. This second copy will be used in the production of a bound proceedings.

Contact information for the organizing committee regarding the meeting is provided in the attached conference announcement. Information on the meeting and accommodations can be obtained directly from the AIAA Web site by accessing <http://www.aiaa.org>.

We look forward to your participation in the 16th ICMHD. Please pass this on to other colleagues and organizations.

Sincerely,

*Robert Cook, PhD / Carl Pian, PhD
Co-General Chairmen, 16th ICMHD*

*John T. Lineberry, PhD
Technical Chairman, 16th ICMHD*

CALL FOR PAPERS

38th AIAA PLASMADYNAMICS AND LASERS CONFERENCE

and

16th INTERNATIONAL CONFERENCE ON MHD ENERGY CONVERSION

25-28 June 2007, Hyatt Regency Miami, Miami, FL

The 38th AIAA Plasmadynamics and Lasers Conference will host the 16th International Conference on MHD Energy Conversion (16th ICMHD) through the organization of special technical sessions within the normal conference program. The 16th ICMHD is an international technical forum encompassing all aspects of magnetohydrodynamic energy conversion science and technology.

Papers that describe basic and/or applied research in the areas of plasmadynamics, lasers, electromagnetics, diagnostics, and related topics in nonequilibrium reacting flows are solicited. Contributions on contemporary experimental, analytical, and computational methods with new results are strongly encouraged. Interdisciplinary papers and those that combine theoretical or numerical analysis with experimental validation are sought. Survey papers on the current state of the art and historical perspectives are also encouraged.

Specific topics of interest include, but are not limited to:

- Plasma physics and properties: including plasma generation and novel experimental research or methods, plasma and laser chemistry and kinetics
- Plasma/MHD experimental facilities and experimental programs and experimental results
- Magnetohydrodynamics (MHD): including MHD terrestrial, airborne and pulse power technologies, MHD acceleration and propulsion, combustion plasmas, MHD re-entry assist, and MHD internal and external flow characterization and simulation
- Plasmadynamics, nonequilibrium flow, chemically reacting flows, electromagnetics and flow field interaction, electromagnetic launchers
- Advanced/Novel diagnostics: including laser diagnostics of plasmas, flow field characterizations, and MHD and plasma specific diagnostics
- Weakly ionized plasma physics and Magneto-Plasma-Aerodynamics and aerospace applications

Special Sessions on MHD related science and technology topics are encouraged for inclusion into the 16th ICMHD program.

Comprehensive abstracts of several pages are recommended for accurate evaluation. Abstracts will be reviewed and competitively selected based on technical content, originality, importance to the field, clarity of presentation, completeness, and likelihood of resulting in a quality final paper.

Sessions will be coordinated with Plasmadynamics and Lasers Conference and the International MHD Conference. Authors with multiple submissions at these meetings are advised to alert the relevant Technical Chairs via e-mail to minimize any scheduling conflicts.

Authors should indicate on the first page of their abstract under which of the above listed topics they prefer their paper to be included. Abstracts should be submitted electronically to AIAA as directed in the general instructions for this call. Please note that, unlike previous calls for papers, the abstract submission deadline is firm and will not be extended.

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16TH INTERNATIONAL CONFERENCE ON MHD ENERGY CONVERSION

16TH ICMHD

SPECIAL ABSTRACT/MANUSCRIPT SUBMISSION INSTRUCTIONS

General information on the 16th ICMHD regarding Program Committee, Special Events, Travel & Accommodations, Visa Application Assistance, and Author Submission Processes can be found on the AIAA Website at <http://www.aiaa.org> under Conference & Events. Authors submitting abstracts/papers to the 16th ICMHD are instructed to follow the general submission instructions as provided by the AIAA website.

In addition, authors submitting abstracts specifically for the 16th ICMHD conference are requested to designate this conference by placing the conference title “16th ICMHD” in header or footer of their abstract when submitting it to the AIAA using the AIAA’s electronic submission procedures.

The 16th ICMHD will be an all electronic conference and no hard copies of the full length papers will be available at the conference location. All papers will be accessible to registered attendees for viewing or downloading via the AIAA website approximately two weeks before the conference date. Pre-registration for the conference following AIAA guidelines is recommended.

It is the intention of the International Liaison Group (ILG) Organizing Committee to produce a special bound volume of conference proceedings consisting of extended abstracts of the 16th ICMHD papers with a CD of the full length papers (as downloaded from the AIAA website) for distribution to 16th ICMHD conference registered attendees.

Therefore, authors of papers that are accepted for presentation at the 16th ICMHD conference will be requested in the future by the ILG Organizing Committee to email a copy of their abstract directly to the following:

Email: jlberry@lytec-tn.com
16th ICMHD Technical Chairman
John T. Lineberry, PhD

The general abstract as submitted to the AIAA will be acceptable for the 16th ICMHD proceedings but extended abstracts of not more than four pages are encouraged. It is anticipated that the extended abstracts will be requested approximately one month in advance of the conference to allow time for production of the proceedings.

IMPORTANT DATES TO NOTE:

Abstract Submission: November 3, 2006 (Firm Date)
Notification of Paper Acceptance by the AIAA and ILG: February 2007
Extended Abstract Submission to ILG Organizing Committee: May 14th, 2007 (Tentative Date)
Final Manuscript Submission Deadline: June 11, 2007 (Tentative Date)

Further information on the 16th ICMHD can be obtained from the US ILG Organizing Committee by direct contact with any of the following:

16th ICMHD Co-Program Chairman
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