

16th International Workshop on

"H-mode Physics and Transport Barriers"

September 13-15, 2017, St. Petersburg, Russian Federation

<http://onlinereg.ru/site.php?go=278&page=6364&lang=ENG>



FIRST ANNOUNCEMENT AND CALL FOR PAPERS

INTRODUCTION

The 16th International Workshop on H-mode Physics and Transport Barriers will take place from 13 to 15 September, 2017 in St. Petersburg, Russian Federation. This workshop is the continuation of a series of previous biennial meetings (San Diego 1987, Gut Ising 1989, Abingdon 1991, Naka 1993, Princeton 1995, Kloster Seeon 1997, Oxford 1999, Toki 2001, San Diego 2003, St. Petersburg 2005, Tsukuba 2007, Princeton 2009, Oxford 2011, Fukuoka 2013, Garching 2015).

OBJECTIVES

The purpose of the workshop is to present and discuss the status of H-mode and internal transport barrier experiments, theory and modeling in magnetic fusion research and to discuss scientific solutions of H-mode control for the purpose of exploring possibilities of advanced operating scenarios in next step large fusion devices.

MEETING FORMAT

The workshop will be organized around six broad topics of current interest. An overview talk, accompanied by discussion, will be presented for each topic. Each talk will be followed by a poster session of contributed papers, related to the topic.

To achieve the purpose of the workshop, the International Advisory Committee solicits contributed papers that present and discuss recent experimental, theoretical or modeling studies of transport barriers, both internal and edge, as observed in numerous magnetic confinement machines and in a variety of magnetic topologies.

TOPICS SELECTED BY THE INTERNATIONAL ADVISORY COMMITTEE:

1. "Transport barriers in reactor. Accessibility of long-sustained scenarios with edge and internal transport barriers"
G. Staebler (GA, USA)
2. "Access and sustainment of naturally ELM-free and small-ELM regimes"
E. Viezzer (U. Sevilla, Spain)
3. "Interplay of GAMs, ZFs and ExB flow and micro-turbulence and its role in LH transition"
TBD
4. "Development of ELM mitigation techniques and scenarios"
Y. Liang (Forschungszentrum Jülich, Germany)
5. "Particle and impurity transport in enhanced confinement modes"
N. Tamura (NIFS, Japan)
6. "Turbulence and transport barrier structure"
TBD

DATES AND VENUE

The workshop starts at 9:00, 13 September and ends at 17:30, 15 September 2017. The venue of the workshop is hotel "Moscow", St. Petersburg. The workshop is organized by Ioffe Institute. Website containing this announcement and updates of the Meeting preparations is open at <http://onlinereg.ru/site.php?go=278&page=6364&lang=ENG>

KEY DATES

Abstract submission - June 1, 2017

Notification of acceptance - June 12, 2017

Visa support request - July 1, 2017

Cancellation of participation - August 1, 2017

Submission of electronic versions of papers - December 1, 20

INTERNATIONAL ADVISORY COMMITTEE

Xiang Gao (China),

Taik Soo Hahm (South Korea),

Jerry Hughes (U.S.A.),

Katsumi Ida (Japan),

Sergei Lebedev (Russia, chair),

Rajesh Maingi (U.S.A.),

Gabriella Saibene (Europe),

Gary Staebler (U.S.A.),

Hajime Urano (Japan)

Elisabeth Wolfrum (Europe)

CONTACTS

For all questions concerning scientific programme, please contact the Organizing committee:

Sergei Lebedev

Leonid Askinazi

Email: hmws2017@mail.ioffe.ru

For all questions concerning registration, hotel accommodation, payments, etc. please contact the conference Service Agency:

Rustour LLC, Monomax Group - member of the International Congress & Convention Association (ICCA).

Conference manager:

Elizaveta Shur

Phone: +7 812 335 2055, ext. 205

Email: hmws2017@onlinereg.ru