

17th International Workshop on

"H-mode Physics and Transport Barriers"

October 9-11, 2019, Shanghai, China

<http://hmws2019.ipp.ac.cn>



FIRST ANNOUNCEMENT AND CALL FOR PAPERS

INTRODUCTION

The 17th International Workshop on H-mode Physics and Transport Barriers will take place from 9 to 11 October, 2019 in Shanghai, China. 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, St. Petersburg 2017).

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:

Session 1: "Formation and sustainment of transport barriers relevant to fusion reactor"

Overview speaker: C. Bourdelle (CEA, EU)

Session 2: "Advances of small-ELM and stationary ELM-free regimes"

Overview speaker: G.S. Xu (EAST/ASIPP, CN)

Session 3: "Role of mean and oscillating radial electric field in LH transition"

Overview speaker: T. Kobayashi (NIFS, JA)

Session 4: "Key issues of ELM control and its mechanisms"

Overview speaker: Y.K. In (KSTAR/UNIST, KO)

Session 5: "Isotopic effect on particle and heat transport"

Overview speaker: C. Maggi (JET/CCFE, EU)

Session 6: "Influences of fueling and transport on pedestal structure"

Overview speaker: S. Mordijck (CWM, US)

KEY DATES

Abstract submission - July 1, 2019

Notification of acceptance - July 17, 2019

Visa support request - August 1, 2019

Cancellation of participation - August 20, 2019

Submission of electronic versions of papers - December 1, 2019

DATES AND VENUE

The workshop starts on 9 October and ends on 11 October 2019. The venue of the workshop is Donghua University (1882 West Yan'an Road, 200051 Shanghai). The recommended hotel is Golden Tulip Shanghai Rainbow Hotel. The workshop is hosted by Institute of Plasma Physics Chinese Academy of Science and organized by Donghua University.

INTERNATIONAL ADVISORY COMMITTEE

Xiang Gao (China, Chair),

Taik Soo Hahm (South Korea),

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Elisabeth Wolfrum (Europe).

LOCAL ORGANIZING COMMITTEE

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CONTACTS

For all questions concerning scientific program, visa, registration, hotel accommodation, payments, etc., please contact the organizing committee:

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