INTRODUCTION

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)
DEADLINES
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),
Jerry Hughes (U.S.A.),
Katsumi Ida (Japan),
Sergei Lebedev (Russia),
Rajesh Maingi (U.S.A.),
Gabriella Saibene (Europe),
Gary Staebler (U.S.A.),
Hajime Urano (Japan),
Elisabeth Wolfrum (Europe).

LOCAL ORGANIZING COMMITTEE
Fangchuan Zhong (Chair)
Ying Guo
Chengran Du
Yao Yang
Yuming Wang
Fei Wen
Tingfeng Ming

CONTACTS
For all questions concerning scientific program, visa, registration, hotel accommodation, payments, etc., please contact the organizing committee:
Email: HMWS2019@ipp.ac.cn
Website: http://hmws2019.ipp.ac.cn