

**HOANG Tuong**

PhD. Recherche Direction Qualification.  
CEA International Expert.  
Advisor to the Director of Institute of Magnetic Fusion Research.  
Co-Director of Sino-French Fusion Energy Center (SIFFER)  
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**Research fields**

- Tokamak experiments (conception, realization and analysis)
- Radio Frequency plasma heating and current drive physics (experiments and modeling)
- Transport and confinement physics (experiments and modeling)

**Professional Background**

- Advisor to the Director of the Institute of Magnetic Fusion Research (IRFM), 2012-  
*Management of the Program Strategy*  
*Management of the international collaboration*
- Co-founder and Member of the Board of Directors of the “Sino French Fusion Energy center” (SIFFER), 2017-
- Member of Int. Advisory Committees of Thailand fusion program, 2019-
- Co-Director of Associated Laboratories Institute of Plasma Physics Chinese Academy of Science/CEA-IRFM, 2016-2017
- Advisor to the Head of Plasma heating and Confinement Department, 2005-2011  
*Management of Science and Technology activities in all aspects*  
*(61 professionals, 32 technicians, 12 PhD students and post-docs)*
- Co-founder and Member of the Program Committee of the annual ASEAN School on Plasma and Nuclear Fusion in Thailand (1<sup>st</sup> Edition 2015)
- Member of the ASDEX Upgrade Program International Advisory Committee, 2010-2012
- Co-Chair of the Local Organizing Committee of the 2011 EPS Conference, 2010-2011
- Coordinator of the EFDA Task on the Lower Hybrid Current Drive (LHCD) system for ITER, 2010-2011
- Founder and coordinator the international activity on the conceptual design of LHCD system for ITER, 2009-2011
- Founder and coordinator of the European training program on the Technology of LHCD and Ion Cyclotron Resonance Heating (ICRH), 2008-2010
- Member of ITPA confinement database working groups, 2001-2010
- Member of Editorial Board of Nuclear Fusion, 1998-2005
- Member of ITER confinement database and modeling working groups, 1994-2001

**Publications:** Over 200 articles and conference publications (9 articles in Physical Rev. Letters). H=36

***Relevant achieved results***

- Discovery of experimental turbulent particle transport and its parametric dependence.
- Discovery of experimental critical threshold of electron heat transport and its parametric dependence.
- Discovery high confinement regime in steady-state using LHCD
- A lower hybrid current drive system for ITER