

## Session Program

4-8 Jun 2017



# **27th IEEE Symposium on Fusion Engineering**

## ***T.OP2: Fueling, Exhaust, and Vacuum Systems***

Marriott Shanghai City Center  
555 Xi Zang Road (Middle), Huangpu District Shanghai 200003 China

# Tuesday 6 June

16:00

**T.OP2: Fueling, Exhaust, and Vacuum Systems**  
 Session | Location: Salon 2

16:00-16:20

**Brief History and Status of Cryogenic Pellets in Fusion Energy Research**

**Speaker**

Mr Stephen K. Combs

16:20-16:40

**DESIGN OF CRYOGENIC TWIN SCREW HYDROGEN EXTRUDER SYSTEM**

**Speaker**

Mr Samiran Shanti Mukherjee

16:40-17:00

**Core fueling of DEMO by direct line injection of high-speed pellets from the HFS**

**Speaker**

Dr Antonio Frattolillo

17:00-17:20

**Refined Multiphysics Analysis of W7-X Cryopumps**

**Speaker**

Dr Jiawu Zhu

17:20-17:40

**SUB-DIVERTOR NEUTRAL GAS DYNAMICS: INTEGRATION BETWEEN THE VACUUM SYSTEM AND THE DIVERTOR OPERATION**

**Speaker**

Dr Stylianos Varoutis

17:40-18:00

**Hydrogen Isotope Separation by Cryogenic Chromatography in Processing Tokamak Exhaust Gas**

**Speaker**

Dr Chengjian Xiao

18:00