

**Session Program**

22–27 Oct 2018

**27th IAEA Fusion Energy Conference - IAEA CN-258**

***FIP/2, FIP/3, MPT/1, SEE/1, MPT/2, FNS/1, SEE/2, SEE/3 P7  
Posters***

Mahatma Mandir Conference Centre  
Gandhinagar (nearest Airport: Ahmedabad), India

## Friday 26 October

08:30

### FIP/2, FIP/3, MPT/1, SEE/1, MPT/2, FNS/1, SEE/2, SEE/3 P7 Posters

Poster Session | Location: Mahatma Mandir Conference Centre, Gandhinagar (nearest Airport: Ahmedabad), India

#### The European approach to the fusion-like neutron source: The IFMIF-DONES Project

Speaker

Dr Angel Ibarra

#### Waste implications from minor impurities in European DEMO materials

Speaker

Dr Mark Gilbert

#### Model validation on EAST and DIII-D experiments towards understanding of high-Z material erosion and migration in a mixed materials environment

Speaker

Dr Rui Ding

#### Economic Performance of Fusion Power Plant on Future Deregulated Electricity Market

Speaker

Prof. Shutaro Takeda

#### Technologies for Plasma-Facing Wall Protection in EU DEMO

Speaker

Dr Thomas Barrett

#### Active conditioning of ASDEX-Upgrade tungsten PFCs through boron particulate injection

Speaker

Dr Robert Lunsford

#### Advances in predictive thermo-mechanical modelling for the JET divertor experimental interpretation, improved protection, and reliable operation

Speaker

Dr Daniel Iglesias

#### Influence of Plasma Impurities on the Fuel Retention in Tungsten

Speaker

Dr Arkadi Kreter

#### Tritiated Dust: their impact on tokamak operation

Speaker

Mr Christian Grisolia

#### Progress in Developing ITER and DEMO First Wall Technologies at SWIP

Speaker

Mr Jiming Chen

#### Impact of High Field & High Confinement on L-mode-Edge Negative Triangularity Tokamak (NTT) Reactor

Speaker

Dr Mitsuru Kikuchi

#### Novel Radio Frequency Current Drive Systems for Fusion Plasma Sustainment on DIII-D

**Speaker**  
Dr Gregory Wallace

### Experiments on FTU with a liquid tin limiter

**Speaker**  
Dr Giuseppe Mazzitelli

### Amelioration of plasma-material interactions and improvement of plasma performance with a flowing liquid Li limiter and Li conditioning on EAST

**Speaker**  
Dr Rajesh Maingi

### Techno-economic analysis of biodiesel and hydrogen production via Fusion-Biomass Hybrid Model

**Speaker**  
Mr Hoseok Nam

### Development of physics and engineering designs for Japan's DEMO concept

**Speaker**  
Dr Yoshiteru Sakamoto

### High-temperature creep properties of NIFS-HEAT-2 high-purity low-activation vanadium alloy

**Speaker**  
Mr Takuya Nagasaka

### Development of a Lithium Vapor Box Divertor for Controlled Plasma Detachment

**Speaker**  
Robert Goldston

### Evaluation of Tungsten as Divertor Plasma-Facing Material: Results from Ion Irradiation Experiments and Computer Simulations

**Speaker**  
Padivattathumana N Maya

### Overview of the DEMO Design-Staged Approach in Europe

**Speaker**  
Dr Gianfranco Federici

### Future Possibility of Carbon Sequestration by Biomass-Fusion Hybrid Systems

**Speaker**  
Prof. satoshi konishi

12:30