Session Program

22–27 Oct 2018

27th IAEA Fusion Energy Conference - IAEA CN-258

P8 Posters

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

Friday 26 October

14:00

P8 Posters

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

From RFX-mod to RFX-mod2: perspectives of the Reversed Field Pinch configuration

Speaker
Dr Lionello Marrelli

Development and Validation of Cryostat Finite Element Model with Unique FE Method

Speaker
Mr TARUN KUMAR SHARMA

Implementation of Synchronous Reference Frame Theory based Shunt Active Power Filter using DSP Controller.

Speaker
Mr Chandra Kishor Gupta

IST contributions to the ASDEX Upgrade edge and divertor physics using microwave reflectometry

Speaker
Dr Carlos Silva

Operation and Control of 42 GHz Gyrotron system in ECRH

Speaker
Mr JATINKUMAR PATEL

Non-linear interaction of runaway electrons with resistive MHD modes in an ITER VDE

Speaker
Dr Vinodh Kumar Bandaru

Plasma dynamics and transport studies in Wendelstein 7-X

Speaker
Dr Olaf Grulke

A versatile multi-cusp plasma device for confining contact ionized alkali ions: source for the experimental studies

Speaker
Mr ZUBIN SHAIKH

Manufacturing Technologies for UHV Compatible 10 MW/m2 High Heat Flux Components for Application in Fusion Devices

Speaker
Mr Hiteshkumar Kantilal Patel

Evolution and Implementation of Loss-Less Data Acquisition for Steady State Tokamak

Speaker
Mrs Manika Sharma

Highly collisional two-fluid and gyrokinetic simulations of tokamak edge turbulence and the transition between kinetic and fluid regime

Speaker
Dr Klaus Hallatschek

Preparing the ICRH system for the Wendelstein 7-X stellarator

Speaker
Dr Jozef ONGENA

Impact of an edge resonant transport layer on fast-ion confinement in the ASDEX Upgrade tokamak

Speaker
Mr Joaquin Galdon-Quiroga

Characterization of advanced concepts for first wall materials by plasma exposure in the linear plasma device PSI-2

Speaker
Prof. Bernhard Unterberg

High density and high performance operation with pellet injection in W7-X

Speaker
Mr Sergey Bozhenkov

Energy Confinement and Performance of Pure Helium Plasmas and Helium Seeded Deuterium Plasmas

Speaker
Dr Athina Kappatou

Quantification of Neutral Beam Driven Current and the effect of radial fast ion transport in ASDEX Upgrade

Speaker
Mr David Rittich

Runaway electron modelling in the ETS self-consistent core transport simulator

Speaker
Dr Gergo Pokol

Multi-Scale Interaction between Ballooning Mode and Electron-Scale Turbulence and the Mesoscale Structure Formation in the Edge Pedestal

Speaker
Dr Raghvendra Singh

Predictive Simulations of Core-Edge Plasma for Tokamak Plasma using BALDUR Code

Speaker
Dr Apiwat Wisitsorasak

The effects of magnetic topology on the SOL island structure and turbulence transport in the first divertor plasma operation of W7-X

Speaker
Dr Shaocheng Liu

Heat transport driven by the ITG and TEM instabilities in the ASDEX Upgrade tokamak

Speaker
Dr Francois Ryter

Plasma termination by excess fuel and impurities in TJ-II, LHD and W7-X

Speaker
Dr Andreas Dinklage

High Power Helicon Antenna Design for DIII-D

Speaker
Mr Raymond O'Neill

Interactions of runaway electrons with Alfvén and whistler waves

Speaker
Dr Donald Spong

Non-linear interplay between edge localized infernal mode and plasma flow

Speaker
Dr Guanqi Dong

Nonlinear 3D simulations of Vertical Displacement Events in tokamaks

Speaker
Dr Nathaniel M. Ferraro

Simulation studies for Optimization of 60 MHz Rod Type Radio Frequency Quadrupole Accelerator Design at IPR

Speaker
Ms Renu Bahl

Installation and Commissioning of 80K Liquid Nitrogen Booster System

Speaker
Mr Rakeshkumar Patel

Technology developments for ECRH system

Speaker
Dr Braj Kishore Shukla

Design and Simulation of Circular Waveguide Elbows Applicable in High Power Microwave (HPM) Coupling to Plasma

Speaker
Dr Jitendra Kumar

Characterization of the W7-X Scrape-Off Layer using the Multi-Purpose Manipulator

Speaker
Dr Carsten Killer

Strategy and optimisation of wall conditioning at the Wendelstein 7-X stellarator

Speaker
Dr Rudolf Brakel

Development of Solid State Power Amplifier for ICH & CD RF Source

Speaker
Mr MANOJKUMAR PATEL

Measurement and modelling of magnetic configurations to mimic overload scenarios in the W7-X stellarator

Speaker
Dr Jeremy Lore

Development of Various diagnostics for NNBI program in IPR

Speaker
Dr BANDYOPADHYAY MAINAK

Seeding of tearing modes by internal crash events in ASDEX Upgrade and DIII-D tokamaks

Speaker
Dr Valentin Igochine

Effect of poloidal density asymmetries on shear flows and radial electric field at the plasma edge

Speaker
Dr Ahmet Y. Aydemir

Development of Indigenous Electrical Insulation Breaks for Superconducting Magnets of Fusion Devices

Speaker
Mr Rajiv Sharma

ELM-induced energy and momentum transport in ASDEX Upgrade

Speaker
Dr Eleonora Viezzer

Helical plasma-wall interaction in the RFX-mod: effects of high-n mode locking

Speaker
Dr paolo zanca

Studies of the gas puff effect on edge plasma of Aditya tokamak using coupled DEGAS2-UEDGE code

Speaker
Dr Ritu Dey

Studies of Ultrasonic and Phased array inspection NDT techniques on high thick SS316L welded joint mock-ups of fusion reactor components fabrication applications

Speakers
Mr Kedar S BHOPE, Mr Ramesh Kumar B Buddu

Role of the pressure position on the pedestal stability in AUG, JET-ILW and TCV in deuterium and hydrogen plasmas and implications for ITER

Speaker
Lorenzo Frassinetti

RT Amplitude Control loop: Testing of R&D ICRF source at High Power

Speaker
Mr RAJNISH KUMAR

3D heat and particle fluxes in Wendelstein 7-X

Speaker
Dr Marcin Jakubowski

Time-Dependent Runaway Simulations: Ampere-Faraday Equations Implemented in CQL3D

Speaker
Dr R.W. (Bob) Harvey

Gyrokinetic Neoclassical Study of the effect of the X-point height on ExB Flow Structure in an H-mode edge plasma

Speaker
Dr Jugal Chowdhury

Concept of a new approach in thermographic measurements for plasma-wall interaction studies on KTM tokamak

Speaker
Mr Baurzhan Chektybayev

Nuclear design issues of a stellarator fusion power plant with breeder blanket in comparison to tokamaks

Speaker
Dr Ulrich Fischer

Ion Cyclotron Range of Frequency Power: Progress in Operation and Understanding for Experiments with Metallic Walls

Speaker
Prof. Jean-Marie Noterdaeme

Correlation analysis based magnetic Kubo number estimation during pedestal collapse in BOUT++ simulation

Speaker
Mr Jaewook Kim

Challenges and Solutions in the Design of RFX-Mod2, a Multi Configuration Magnetic Confinement Experimental Device

Speaker
Dr Roberto Cavazzana

Energy loss and pitch angle scattering of runaway electrons due to kinetic instabilities

Speaker
Chang Liu

Characterization of Argon Plasma in a Multi line Cusp Magnetic Field: Towards a Favorable Source for NBI System

Speaker
Mr amitkumar patel

SOL transport and filamentary dynamics in high density tokamak regimes

Speaker
Dr Nicola Vianello

Impact of the 3D geometry from non-axisymmetric magnetic perturbations on the local edge stability in ASDEX Upgrade

Speaker
Dr Matthias Willensdorfer

Design and Development of Control Grid Power Supply for RF Amplifier

Speaker
Mr Kartik Mohan

TCV heating and divertor upgrades

Speaker
Prof. Ambrogio Fasoli

Numerical investigations towards manufacturing of high current carrying superconducting CICC

Speaker
Mr Mahesh Ghate

Mechanical Engineering Aspects for Overhauling of Helium Compressor and heavy duty Electrical Motors of 1.3 kW Helium Refrigerator/Liquefier system

Speaker
Mr Jayant Patel

Impact of impurity seeding on pedestal structure in ASDEX Upgrade and Alcator C-Mod

Speaker
Dr Mike Dunne

Nonlinear turbulent parallel momentum transport due to blobs

Speaker
Dr Yang Li

Simulations of Plasma Disruptions in ITER due to Material Ingress

Speaker
Dr Indranil Bandyopadhyay

The ITER baseline scenario investigated at ASDEX Upgrade

Speaker
Dr Thomas Pütterich

The LTX-beta Research Program and First Results

Speaker
Richard Majeski

A Travelling Wave Array System as Solution for the ICRF Heating of DEMO

Speaker
Mr Riccardo Ragona

Recent Progress of ITER Magnet Supports Package in SWIP

Speaker
Dr pengyuan li

Development of wideband amplifier in ITER ICRF range

Speaker
Mr AKHIL JHA

Modeling runaway electrons dynamics in tokamak plasmas: progresses and challenges

Speaker
Dr Yves Peysson

Integrated simulation of runaway electrons: a backward Monte-Carlo approach for a fluid-kinetic self-consistent coupling

Speaker
Diego del-Castillo-Negrete

Investigations of the role of neoclassical transport on W7-X

Speaker
Dr Novimir Pablant

First results of infrared thermography on WEST

Speaker
Mr Michael Houry

Mutual Interactions between Zonal Flows and Turbulence Driven Magnetic Islands

Speaker
Olivier Agullo

First results of LH coupling and current drive in WEST full metallic environment and commissioning of the new ELM resilient ICRF antenna

Speaker
Dr Annika Ekedahl

Overview of the Divertor Tokamak Test Facility Project

Speaker
Piero MARTIN

Magnetic configuration and plasma start-up in the WEST tokamak

Speaker
Dr Eric Nardon

Graphene-based Hall Sensors for DEMO Magnetic Diagnostics

Speaker
Inessa Bolshakova

18:45