

Session Program

13–17 May 2019

**12th IAEA Technical Meeting on Control, Data Acquisition
and Remote Participation for Fusion Research**

Poster

Daejeon, Republic of Korea

Monday 13 May

15:05

Poster: Plasma Control Posters

Poster Session | Location: Daejeon, Republic of Korea

Preparations for the control of HL-2M first plasma campaign

Speaker
Dr B LI

Use of Actuator management in ASDEX Upgrade control

Speaker
Dr Ondrej Ondrej Kudlacek

Low-risk Beginning of the Density Feedback Control in KSTAR

Speaker
Dr June-Woo Juhn

Real-time classification of L-H transition and ELM in KSTAR

Speaker
Giwook Shin

Development of a new CODAS for the TCABR tokamak

Speaker
Dr Wanderley Pires de Sá

Determination of Radiated Power Density Profile Using Bolometer Data for DT Baseline Scenario at JET

Speaker
Gediminas Stankunas

Design and development plan for control and data acquisition system of Thailand Tokamak 1 (TT1)

Speaker
Arlee Tamman

Development of high-current power supplies for the TCABR tokamak

Speaker
Prof. Alessandro Santos

An overview of the upgrade of the TCABR tokamak

Speaker
Prof. Gustavo Canal

The MAST Upgrade Plasma Control System

Speaker
Graham McArdle

WestBox: an object-oriented software component for WEST CODAC

Speaker
GILLES CAULIER

17:05

Wednesday 15 May

15:25

Poster: MCR & DTI

Poster Session | Location: Daejeon, Republic of Korea

A database dedicated to development of machine learning based disruption predictors

Speaker
Mr Qiqi Wu

Implementation of an FPGA-based DAQ and Processing system for Neutron-Diagnostics using Nominal Device Support, OpenCL and MTCA

Speaker
Mr Miguel Astrain

Real-Time Processing the MSE data with GPGPU in KSTAR

Speaker
Taegu Lee

New decimation method for fusion research data

Speaker
Rodrigo Castro Rojo

Exploring MDSplus data-acquisition and analysis software with JupyterLab

Speaker
Fernando Santoro

Real-time ELM recognition system based on deep learning

Speaker
Prof. Fan Xia

EAST MDSplus Log Data Management System

Speaker
Feng WANG

Development of the JT-60SA Experiment Database System

Speaker
Ms Riho Yamazaki

W7-X Logbook REST API for processing metadata and experiment data enrichment at the Wendelstein 7-X stellarator

Speaker
Michael Grahl

The Implementation and operation of the 4th version of KSTAR Fast Interlock System

Speaker
Mr Myungkyu Kim

Evaluation of the Backup Signal-Processing System of the KSTAR Quench Detection System

Speaker
Hirofumi Yonekawa

Realization of the requirements for a safe operation of Wendelstein 7-X

Speaker
Jörg Schacht

Reliable Local Controller for ITER Coil Power Supply

Speaker
Mr Chungsan Lee

First experience with the W7-X Fast Interlock System

Speaker
Reinhard Vilbrandt

Development of real time framework for parallel streaming data processing

Speaker
Dr giil kwon

18:00

Thursday 16 May

13:30

Poster: DASP & RPVL

Poster Session | Location: Daejeon, Republic of Korea

Plasma Diagnostics in the Optical and X-Ray Regions on the IEC Plasma Device

Speaker

Dr Gamal Elaragi

Multi-channel analog lock-in system for real-time motional Stark effect measurements

Speaker

Hanmin Wi

Integration of data acquisition devices in the ITER Real-Time Framework using Nominal Device Support

Speaker

Dr Sergio Esquembri

Standardization of software device driver implementation for data acquisition and timing devices in ITER CODAC Core System: Nominal Device Support

Speaker

Mr Miguel Astrain

Development of Local-Imaging and High-Speed Visible Diagnostics for Real-Time Plasma Boundary Reconstruction of EAST

Speaker

Prof. Biao Shen

The Information Technology tools for remote participation and remote experiment control of WEST

Speaker

Thierry Hutter

Graphic interactive environment for remote data analysis and visualization with a view on ITER

Speaker

Dr Ernesto Fabregas

Framework for development of software for laboratory equipment and experimental setup subsystems integrated into large scale DAQ systems (LabBot)

Speaker

Mr Alexandr Chernakov

Web-based Streamed Waveform Display using MDSplus events and Node.js

Speaker

Gabriele Manduchi

16:00