

Poster Session 1

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Chen, Y.	Design of Real-time Data Acquisition System for POLarimeter-INTerferometer diagnostic	1,3
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Gerkšič, S.	SVD-based fast online MPC for ITER plasma current and shape control	1
Guo, Y.	Preliminary results of a new MIMO plasma shape controller for EAST	1
Huang, Y.	Improvement of GPU parallel real-time equilibrium reconstruction for plasma control	1
Li, C.C.	Preliminary Implementation of the Real-time Data Sharing System Based on RFM for EAST	1,7
Manduchi, G.	A Portable Control And Data Acquisition Solution	1
Shah, M.	FPGA based Trigger and Timing System for Aditya-U Tokamak Operation and Control	1
Shin, G.W.	Automatic Detection of L-H Transition in KSTAR by Support Vector Machine	1
Signoret, J.	Coupling Plasma Control System and Pulse Schedule Editor for WEST Operation	1
Stepanov, D.	ITER CODAC Operation Request Gatekeeper: First Implementation	1
Varshney, S.	Design maturity of Plant Instrumentation and Control for ITER XRCS-Survey	1
Vega, J.	Real-time implementation with FPGA-based DAQ system of a probabilistic disruption predictor from scratch	1
Wang, Y.	Closed-loop control-oriented system identification for EAST plasma shape response model	1
Wu, K.	Radiative Feedback for Divertor Heat Spread on EAST	1
Xiao, B.J.	Model-based plasma vertical stabilization and position control at EAST	1
Yeole, Y.G.	An Automation of Vacuum System for SMARTEX-C	
Yuan, Q.P.	Upgrade of EAST plasma control system for steady-state advanced operation	1
Zhang, Z.C.	Progress in the development of EAST timing synchronization system upgrade based on precision time protocol	1
Werner, A.	Commissioning and operation of the Wendelstein 7-X steady state data acquisition and control system	S1.S
Hasegawa, M.	Modifications of Plasma Control System and Central Control System for Integrated Control of Long Plasma Sustainment on QUEST	S1.S
Hahn, S.-H.	Achievements and lessons learned from first operation of KSTAR plasma control system upgrade	1
Asenjo, J.	Control and data acquisition system for SCR-1 Stellarator	S1.S
Xiao, B.J.	Integrated Plasma Control for Long Pulse Advanced Plasma Discharges on EAST	S1.S
Lee, W.	New control systems at KSTAR compatible with ITER standard technologies	S1.S
Colnel, J.	Adapting DCS Real Time framework for WEST PCS	S1.S
Cruz, N.	On the Control System Preparation for Experiments on ELM Pacing with Vertical Kicks on TCV	S1

Walker, M.L.	Enabling Co-Simulation of a Tokamak Plant Model and Plasma Control System	S1
Eldon, D.	Divertor control development at DIII-D and implications for ITER	S1
Snipes, J.A.	The Preliminary Design of the ITER Plasma Control System	S1.I
Treutterer, W.	The Preliminary Architectural Design of the ITER Plasma Control System	S1.I
Raupp, G.	Exception Handling in the Preliminary Design of the ITER Plasma Control	S1.I
de Vries, P.C.	Preparing the PCS final design for ITER first plasma	S1.I
Miyata, Y.	Investigation of methods for mitigating influences of magnetic measurement noises on equilibrium control in JT-60SA	S1.A
Hu, F.	Implementation of the On-line Density Limit Disruptions Prediction and Avoidance System Based on Neural Networks	S1.A
Joung, S.	Neural network based real-time reconstruction of KSTAR magnetic equilibrium and imputation with Bayesian scheme	S1.A
Clement, M.	GPU based optimal control techniques for resistive wall mode (RWM) feedback in tokamaks	S1.A
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Santraine, B.	Status of the CODAC system for WEST	S2
Tak, T.	Conceptual design of new data integration and process system for KSTAR pulse and data scheduling	S2
Spring, A.	Plugging Physics into the W7-X CoDaC Framework	S2
Nakanishi, H.	Integrated radiation monitoring and interlock system for the LHD deuterium experiments	S2
Luchetta, A.	Instrumentation and Control for the Neutral Beam Test Facility	S2
Winter, A.	The ITER Real-Time Framework Final Design	S2.I
Fernandez-Hernando,	The ITER Interlock System	S2.I
Barrera, E. (not attend) pres. by Ruiz, M.	Methodology for the Deployment of ITER Fast Plant Interlock System	2
Davis, W.	Integration of Electrical Networks I&C to ITER CODAC	S2.I
Prokopas, M.	ITER Control System Model: A full-scale simulation platform for the CODAC infrastructure	S2.I