



# 4th IAEA Technical Meeting on Fusion Data Processing, Validation and Analysis

## Friday, 3 December 2021

### Friday 3 Dec: Integrated Data Analysis; (Chaired by R.Fischer) (12:00 - 13:50)

time	[id] title	presenter
12:00	[31] Integrated Data Analysis: Status and Prospects for Future Fusion Devices	FISCHER, Rainer
12:15	[83] DEVELOPMENT OF SYNTHETIC DIAGNOSTICS FOR ITER	SCHNEIDER, Mireille
12:30	[40] ANALYSIS OF ELECTRON CYCLOTRON EMISSION MEASUREMENTS WITH RADIATION TRANSPORT MODELING IN PRESENT AND FUTURE FUSION DEVICES	DENK, Severin
12:55	[10] Implementation and validation of swept density reflektometry to integrated data analysis at ASDEX Upgrade	STIEGLITZ, Dirk
13:10	[68] Synthetic diagnostics tools for identification of the L-H transition in ITER PFPO campaigns	MEDVEDEVA, Anna
13:25	[67] IMAS - INTEGRATED WORKFLOW FOR ENERGETIC PARTICLE STABILITY	Mr POPA, Alin
13:40	[34] WEST DATA PROCESSING WORKFLOW AND STATISTICAL ANALYSIS	MORALES, Jorge

### Friday 3 Dec: Big data; (Chaired by J. Stillerman) (13:50 - 15:45)

time	[id] title	presenter
13:50	[6] Near real-time streaming analysis of big fusiondata	KUBE, Ralph
14:05	[45] FUSION CLOUD – Open Science Platform for Fusion Research in Japan –	Dr NAKANISHI, Hideya
14:20	[55] TOWARDS IMPLEMENTING THE FAIR4FUSION OPEN DATA BLUEPRINT	Mr OWSIAK, Michal KONSTANTOPOULOS, Stasinos
14:35	[57] DEVELOPMENT OF A FAIR BASED APPROACH TO DATA MANAGEMENT AND SHARING WITHIN EUROFUSION	STRAND, Pär
14:50	[81] DATA-DRIVEN DISCOVERY APPROACH TO TACKLE TURBULENCE IN FUSION PLASMA	Mr SALAZAR, Luigui
15:05	[19] Experimental data analysis and Proposal validation of EAST tokamak based on machine learning approach	WAN, Chenguang
15:15	[39] PROVENANCE IN FUSION: APPLYING THE W3C-PROV MODEL TO FUSION DATA	CUMMINGS, Nathan
15:25	[41] Full life-cycle provenance of physical modules repositories for integrated modeling and analysis workflow	Mrs LIU, Xiaojuan
15:35	[48] Making MAST Open Data FAIR Compliant	DE WITT, Shaun