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

Programme

This series of CODAC TM‘s

was started in Garching, Germany in 1997 by Prof. Hertweck

- To foster the international exchange on software & hardware development for Plasma Control & Data Acquisition to support specific needs in Nuclear Fusion Research
- Since then it was held every two years and hosted by various big Fusion Research sites in Amerika, Asia and Europe
- Main focus on the programme and conference topics was always about COntrol, Data Acquisition, and Communication

So it‘s called the **CODAC TM**

International Programme Adv. Com.

This years programme is contributed by **YOU** and arranged under the auspicies of a representative international list of experts

- Behler, Karl (Chair) - Germany
- Winter, Axel (Co-Chair) - Germany
- Hahn, Sang-hee - Republic of Korea
- Luchetta, Adriano - Italy
- Mazon, Didier - France
- Nakanishi, Hideya - Japan
- Park, Mikyung - ITER Organization
- Pires, Wanderly - Brazil
- Pujara, Harshad - India
- Ravenel, Nathalie - France
- Schissel, David - United States
- Stillerman, Joshua - United States
- Xiao, Bingjia - China
- Waterhouse, John - United Kingdom

This Year‘s Topics

Plasma Control (PC)

Machine Control, Monitoring, Safety and Remote Manipulation (MCR)

Data Acquisition and Signal Processing (DASP)

Database Techniques for Information Storage and Retrieval (DTI)

Advanced Computing and Massive Data Analysis (MDA)

Remote Participation and Virtual Laboratory (RPVL)

Fast Network Technology and its Application (FNT)

Monday

Chair:	Sang-hee Hahn		
Welcome			
Time	Board	ID	Presenter
09:00	W/1-1		Matteo Barbarino
09:05	W/1-2		Sang-hee Hahn
09:10	W/1-3		Karl Behler
Chair:	**Sang-hee Hahn**		
Plenary Oral: Control Systems			
Time	Board	ID	Presenter
09:20	O/1-1	528	Mikyung Park
09:40	O/1-2	488	Bingjia Xiao
10:00	O/1-3	485	Benjamin SANTRAINE
10:20	O/1-4	531	John Waterhouse

Chair:	Mikyung Park		
Plenary Oral: Plasma Control 1			
Time	Board	ID	Presenter
11:10	O/2-1	511	Sang-hee Hahn
11:30	O/2-2	497	Martin Margo
11:50	O/2-3	466	Qiping Yuan
12:10	O/2-4	482	Gabriele Manduchi

Coffee Break

Chair:	Bingjia XIAO		
Miniorals: Plasma Control Miniorals			
Time	Board	ID	Presenter
14:00	P/1-1	535	Myungkyu Kim
14:05	P/1-2	569	GILLES CAULIER
14:10	P/1-3	580	June-Woo Juhn
14:15	P/1-4	585	Giwook Shin
14:20	P/1-5	589	Graham McArdle
14:25	P/1-6	605	Arlee Tamman
14:30	P/1-7	599	Alessandro Santos
14:35	P/1-8	576	Wanderley Pires de Sá
14:40	P/1-9	537	B LI
14:45	P/1-10	558	Ondrej Kudlacek
14:50	P/1-12	598	Gustavo Canal
14:55	P/1-13	547	Gediminas Stankunas

Coffee service

Poster Session 1

Tuesday

Chair:	Hideya Nakanishi		
Plenary Oral: Neural Network Methods			
Time	Board	ID	Presenter
09:00	O/3-1	513	Ernesto Fabregas Acosta
09:20	O/3-2	484	Jesús Vega
09:40	O/3-3	456	Wei Zheng
Chair:	**Hideya Nakanishi**		
Miniorals: KI related Miniorals			
Time	Board	ID	Presenter
10:00	P/2-1	543	Fan Xia
10:05	P/2-2	582	Rodrigo Castro Rojo
10:10	P/2-3	548	Qiqi Wu
10:15	P/2-4	572	Miguel Astrain
10:20	P/2-5	579	Taegu Lee
10:25	P/2-6	593	Fernando Santoro

Chair:	John Waterhouse		
Plenary Oral: Plasma Control 2			
Time	Board	ID	Presenter
11:00	O/4-1	459	Zhengping Luo
11:20	O/4-2	518	Bernhard Sieglin
11:40	O/4-3	527	Keith Erickson
12:00	O/4-4	530	Muhammad Aqib Javed
12:20	O/4-5	443	JASRAJ DHONGDE

Lunch Break

KSTAR Visit

Wednesday

Chair:	David Schissel		
Plenary Oral: MCR & DTI			
Time	Board	ID	Presenter
09:00	O/5-1	529	Basil Duval
09:20	O/5-2	503	Masahiko Emoto
09:40	O/5-3	523	Hideya Nakanishi
10:00	O/5-4	445	Mykola Dreval
10:15	O/5-5	510	Adriano Luchetta

Chair:	Adriano Luchetta		
Plenary Oral: PC3, MCR & DTI			
Time	Board	ID	Presenter
11:00	O/6-1	441	Pablo Garcia-Martinez
11:20	O/6-2	471	Filip Janky
11:40	O/6-3	524	Joshua Stillerman
12:00	O/6-4	498	Stephen Lane-Walsh

Chair:	Wanderley Pires de Sá		
Plenary Oral: DASP Systems			
Time	Board	ID	Presenter
14:00	O/7-1	457	Yuxing Wang
14:20	O/7-2	451	Axel Winter
Chair:	**Wanderley Pires de Sá**		
Miniorals: FNT, MCR & DTI			
Time	Board	ID	Presenter
14:40	P/3-1	551	giil kwon
14:45	P/3-2	559	Hirofumi Yonekawa
14:50	P/3-3	571	Jörg Schacht
14:55	P/3-4	566	Reinhard Vilbrandt
15:00	P/3-6	587	Riho Yamazaki
15:05	P/3-7	578	Chungsan Lee
15:10	P/3-8	590	Michael Grahl
15:15	P/3-9	556	Feng WANG

Coffee service

Poster Session 2

Thursday

Chair:	Josh Stillerman		
Plenary Oral: DASP			
Time	Board	ID	Presenter
09:00	O/8-1	490	Miguel Astrain
09:20	O/8-2	508	Seung-Ju Lee
09:40	O/8-3	522	Karl Behler
Chair:	**Josh Stillerman**		
Miniorals: DASP			
Time	Board	ID	Presenter
10:00	P/4-1	539	Gamal Elaragi
10:05	P/4-2	541	Hanmin Wi
10:10	P/4-3	546	Sergio Esquembri
10:15	P/4-4	553	Biao Shen
10:20	P/4-5	560	Miguel Astrain
10:25	P/4-6	588	Alexandr Chernakov
10:30	P/4-7	538	Jie Xu

Chair:	Axel Winter		
Plenary Oral: RPVL			
Time	Board	ID	Presenter
11:05	O/9-1	468	Shinsuke Tokunaga
11:25	O/9-2	483	Igor / Oleg Semenov
Chair:	**Axel Winter**		
Miniorals: RPVL			
Time	Board	ID	Presenter
11:45	P/5-1	561	Ernesto Fabregas
11:50	P/5-2	567	Gabriele Manduchi
11:55	P/5-3	592	Thierry Hutter

Poster Session 3

Coffee service

Chair:	Matteo Barbarino		
Plenary Summary and Closing			
Time	Board	ID	Presenter
16:00	S/1-1		
16:30	S/1-2		
17:00	S/1-3		

Friday

MDSplus Workshop

Excursion

Publication in FusEngDes

- We intend to publish a selection of papers from this meeting as a Virtual Special Issue (VSI) in the Elsevier Journal „Fusion, Engineering, and Design“
- Contact with Elsevier is already made but details are not yet settled
- Please expect an announcement at the Summary session of this meeting

A prolific meeting
with lively discussions
and
interesting contacts!