

**Agenda for the 22nd IOS-TG Meeting,
QST, Naka, Japan
9-12 April 2019
(Version 9: 7 April 2019)**



Day 1: Tuesday 9 April 2019

Opening of the meeting

09:10	Welcome	S. Ide
09:15	IOS logistics	N. Hayashi
09:20	Agenda for the meeting, actions from previous meeting, summary from ITPA-CC meeting	Y.-S. Na

09:50 *Coffee break*

Machine reports related with IOS activities I

10:20	The latest developments at ITER	J. Snipes
10:40	Update on machine experiment schedules	J. Hobirk
10:45	JT-60SA	S. Ide
11:15	ASDEX Upgrade	J. Hobirk
11:30	DIII-D	F. Turco
12:00	EAST	X. Gong

**12:30-
13:30 *Lunch break***

Machine reports related with IOS activities II

13:30	KSTAR	H.-S. Kim
13:50	Real-time control of ECH operation in LHD	T. Tsujimura
14:20	Discussion on JE/JA linked with machine reports	J. Hobirk

14:40 *Coffee break*

***Focus Session: Priorities of IOS and near-term
deliverables to ITER***

15:00	Near-term high priority ITER research needs	J. Snipes
15:30	Priority and status of JE/JRA within IOS	J. Hobirk/ Y.-S. Na
16:00	Discussion	All

18:00 *Adjourn*

Day 2: Wednesday 10 April 2019

ITER baseline scenario

- 9:10 ITER baseline: Priorities for Joint Experiment and Joint Activities (IOS-1) G. Sips
10:10 Modelling of ITER demonstration discharges (JA1) J.M. Park (remote)

11:10 Coffee break

ITER start-up I

- 11:40 Plan for contribution of plasma start-up from Japanese STs K. Hanada
12:10 Plasma burn-through code benchmark (JA15) H.-T. Kim

12:40 Lunch break

ITER start-up II

- 14:00 Development of fast electron discharges at plasma initiation (JA14) P. de Vries
14:30 Discussion on ITER start-up P. de Vries

15:00-16:00 JT-60SA Tour

16:00 Coffee Break

ITER PFPO phase

- 16:20 Brief report of PED&ELM TG J.M. Park (remote)
16:40 Isotope effect (PEP-IOS-1) J. Mailloux
17:30 Discussion on ITER PFPO including modelling J. Snipes

18:00 Adjourn

Day 3: Thursday 11 April 2019

Focus Session: Control for ITER I

09:10 Joint coordination of IOS and MHD for ITER control topics D. Humphreys (remote)

10:00 ***Coffee break***

Focus Session: Control for ITER II

10:30 Ion temperature profile control system using reinforcement learning technique T. Wakatsuki

11:00 Integrated control E. Schuster

11:30 Discussion on joint session with MHD TG J. Snipes

12:30 ***Lunch break***

Possible Topic of Joint Research Activity

13:50 Long-pulse operation H.-S. Kim

General session: JA and modelling I

14:30 Pedestal modelling F. Poli

14:50 Termination simulation F. Poli

15:20 Status of IMAS and the scenario database M. Schneider

15:50 ***Coffee Break***

General session: JA and modelling II

16:20 Pellet modelling F. Koechl (remote)

Brief report of other TG activities related with IOS

16:50 Scrape-Off-Layer & Divertor F. Koechl (remote)

17:10 Transport & Confinement J. Garcia (remote)

17:40 JA with T&C M. Schneider

18:00 ***Adjourn***

19:30 ***Group Dinner***

Day 4: Friday 12 April 2019

Machine report related with IOS activities III

9:10 IOS-related activities in MST1 H. Meyer

Summary and preparation for next meeting I

9:40 Review of IOS priorities Y.-S. Na

10:10 Coffee break

Summary sessions & final discussions on actions

10:40 Review and actions of IBS and JE J. Hobirk

11:00 Review and actions of control and PFPO J. Snipes

11:20 Review and actions of start-up and JA Y.-S. Na

11:40 Preparation for agenda of the next meeting Y.-S. Na

12:10 Shuttle Bus (I) to hotel

***12:10-
14:00 Lunch break***

14:00 Shuttle Bus (II) to hotel