## Preliminary announcement (1st version.2022.01.20)

# 6th Asia-Pacific Conference on Plasma Physics

(AAPPS-DPP2022 on-line E-conference, Oct. 9-14, 2022)

http://aappsdpp.org/DPP2021/index.html

[1] Scope of the AAPPS-DPP2021: AAPPS-DPP2021 is an international plasma physics conference under the auspices of AAPPS-DPP. The conference will be physics oriented and provide interdisciplinary and in-depth scientific discussions among and in various fields of plasma physics and applications.

[2] Organization: AAPPS-DPP (<a href="http://aappsdpp.org/AAPPSDPPF/">http://aappsdpp.org/AAPPSDPPF/</a>) is the organizing body of this conference. The AAPPS-DPP 2022 annual conference will be a remote on-line e-conference using Zoom systems similar to AAPPS-DPP 2020 (930 participants) and 2021(1109 participants).



AAPPS-DPP chair & 2022 IOC Chair Baonian Wan



AAPPS-DPP CEO & General PC chair Mitsuru Kikuchi



AAPPS-DPP vice chair &2022 Zoom team leader Ryoji Matsumoto

## [3] Conference Period:

October 9 (Sun)- October 14(Friday), 2022

#### [4] On-line Remote Conference

The Board of Directors of AAPPS-DPP decided that AAPPS-DPP2022 will be a full e-conference similar to AAPPS-DPP2020 and 2021. Zoom team led by Prof. R. Matsumoto will be formed. On-line conference enables presentations from your home country/region all over the world. Tentative schedule is attached in Table 1.

### [5] Important dates

1. Nomination of plenary and invited speakers : Feb. 7 – April 30

https://www.gakkai-web.net/aappsdpp nm/

2. Nomination of 2022 S. Chandrasekhar Prize : Feb. 7 – April 30 3. Nomination of 2022 Plasma Innovation Prize : Feb. 7 – April 30

4. Notification of plenary and invited speakers : May 30

5. Nomination of AAPPS-DPP Young Researcher (U40) award
6. Nomination of U30 award
7. Financial support request
8. Contributed abstract submission
2. March 1 – May 30
3. June 1- July 10
3. May 1 – June 30

9. Notification of acceptance of contributed presentation

10. Registration start: August 1011. Press release for DPP awards: Late August

12. Conference : Oct 9-14, 2022 13. Recorded video closed : Dec. 14

Sponsored by:

- 1. APCTP (Asia Pacific Center for Theoretical Physics) <a href="https://www.apctp.org/main/">https://www.apctp.org/main/</a>
- 2. IFE Forum (Sponsor from 2018 U30 Award) http://www.ilt.or.jp/forum/



: July 30

#### [6] Registration fee

Registration fee is different for participants with and w/o presentation for DPP members (including endorsed and

recognizing societies) and time zones from which participants join. Registration and payment shall be made before **September 1** to allow access and test of e-conference Zoom. Registration fee will be reimbursed for cancelation due to unexpected situation until two weeks before the e-conference (Sept. 12). All unregistered and cancelled presentations will be deleted from the program. No registration fee reimbursement after Sept. 12.

	DPP member with	DPP student/retired	DPP member w/o	Non-member / non-
	presentation	with presentation	presentation	member student
East Asia-Pacific	200\$	100\$	50\$	300\$ / 150\$
India, Bangladesh, Pakistan	100\$	50\$	50\$	300\$ / 150\$
US, Europe	100\$	50\$	50\$	300\$ / 150\$

Note: DPP member includes those from endorsed/recognized societies.

**Financial support**: Limited funds are available to provide financial support to selected participants. Priority will be given to retired and student presenters and presenters from developing countries to support their registration fee payment. Students with good abstracts may be given higher priority for support.

## [7] Program overview

Program time is based on Japan time for AAPPSDPP2021 e-conference. However, participants are expected to join the conference from various places in the world including Australia, China, ASEAN, India, Bangladesh, Pakistan, Nepal, Russia, EU countries, UK, Brazil, US. The e-conference runs from Sunday (Oct. 9) to Friday (Oct. 14) as shown in Table 1.

Table 1: Sessions in AAPPS-DPP2022 on-line e-conference

Sunday (Oct 9)	Monday (Oct. 10)	Tuesday (Oct. 11)	Wednesday (Oct 12)	Thursday (Oct 13)	Friday (Oct. 14)
	8:00 Zoom open	8:00 Zoom open	8:00 Zoom open	8:00 Zoom open	8:00 Zoom open
		Plenary-4 (ZoomP) 8:30-10:00	Plenary-7(ZoomP) 8:30-10:00	Plenary-10 (ZoomP) 8:30-10:00	Plenary-13(ZoomP) 8:30-10:00
9:00 Zoom open	Opening (ZoomP) 9:00-10:30	[Chair: ]	[Chair:]	[Chair:]	[Chair: ]
•	[Chair: R. Matsumoto]	PL-9:	PL-17:	PL-25:	PL-33:
	B. Wan (IOC&DPP chair)	PL-10:	PL-18:	PL-26:	PL-34:
	R. Matsumoto (host)	PL-11:	PL-19:	PL-27:	PL-35:
	M. Kikuchi (AAPPS-DPP CEO)	1211	12.17	1227.	1233.
10:00-11:30 : RMPP Chief	U30 award(K. Mima)	30 min. Break	30 min. Break	30 min. Break	30 min. Break
/Associate/Guest Editor	U40 award(tbd)				
meeting	Plasma Innovation Prize(tbd)				
-	Chandrasekhar Prize(tbd, Ganesh)	T	T : 1 : (10.00.14.00	T	T : 1 : 1410.0014.00
	Plenary-1(ZoomP)10:30-12:00	Topical session 3 10:30-12:30:	Topical session 6 10:30-12:30:	Topical session 9 10:30-12:30:	Topical session 12 10:30-12:30:
	[Chair:]	CD-3 [Chair:]	CD-6 [Chair: ]	CD-9 [Chair: ]	CD-12 [Chair: ]
	PL-1: Host plenary	F-3[Chair:]	F-6 [Chair: ]	F-9 [Chair: ]	F-12 [Chair: ]
	PL-2: Chandra Lecture (res)	B-3 [Chair:]	B-6 [Chair: ] A-6 [Chair: ]	B-9 [Chair: ] A-9 [Chair: ]	B-12 [Chair: ] A-12 [Chair: ]
	PL-3: PIP Lecture(res)	A-3[Chair,]	L-6 [Chair: ]	A-9 [Chair: ] L-9 [Chair: ]	A-12 [Chair: ] L-12 [Chair: ]
		L-3[Chair:]	SG-3[Chair:]	SG-6[Chair:]	SG-9[Chair:]
		AS-Plenary3 [Chair:]	SA-3 [Chair.]	SA-6 [Chair.]	SA-9 [Chair:]
	12:00-13:00: Break	MF-Plenary3 [Chair:]	MF1-3[Chair.]	MF1-6[Chair:]	MF1-9[Chair:]
	12.00-13.00. DIEAK	,	MF2-3 [Chair.]	MF2-6 [Chair.]	MF2-9 [Chair:]
	1	12:30-13:00: Break	12:30-13:00: Break	12:30-13:00: Break	12:30-13:00; Break
13:00-14:00	Plenary-2(ZoomP):13:00-14:00	Plenary-5(ZoomP):13:00-14:00	Plenary-8(ZoomP):13:00-14:00	Plenary-11(ZoomP):13:00-14:00	Plenary-14(ZoomP):13:00-14:00
I-HAC meeting	[Chair: ]	[Chair: ]	[Chair: ]	[Chair.]	[Chair.]
- Tare meeting	PL-4: Chandra Lecture(spare)	PL-12:	PL-20:	PL-28:	PL-36:
	PL-5: PIP Lecture(spare)	PL-12. PL-13:	PL-20: PL-21:	PL-26. PL-29:	PL-30: PL-37:
	14:00-14:30: Break	14:00-14:30: Break	14:00-14:30: Break	14:00-14:30: Break	14:00-14:30: Break
14:30-15:30	Topical Session-1 14:30-16:30:	Topical session 4 14:30-16:30:	Topical session 7: 14:30-16:30:	Topical session 10 14:30-16:30:	Topical session 13
General Assembly	CD-1[Char.]	CD-4 [Chair: ]	CD-7 [Chair: ]	CD-10 [Chair: ] F-10 [Chair: ]	CD-13 [Chair: ] F-13 [Chair: ]
	F-1 [Char:]	F-4 [Chair: ] B-4[Chair: ]	F-7 [Chair: ] B-7 [Chair: ]	B-10 [Chair: ]	B-13 [Chair: ]
	B-1[Chair:]	A-4 [Chair: ]	A-7 [Chair: ]	A-10 [Chair: ]	A-13 [Chair: ]
	A-1[Char:]	L-4 [Chair: ]	L-7 [Chair.]	L-10 [Chair.]	L-13 [Chair: ]
15:30-16:00	L-1[Char.]	SG-1[Chair.]	SG-4[Chair:]	SG-7[Chair:]	SG-10[Chair:]
Board of Directors meeting	AS-Plenary1[Char:]				
Don't of Directors meeting					SA 10 (Chair-1
	MF-Plenary1[Char:]	SA-1 [Chair:] MF1-1[Chair:]	SA-4 [Chair:] ME1-4[Chair:]	SA-7 [Chair:] MF1-7[Chair:]	SA-10 [Chair:] MF1-10[Chair:]
16:30 19:00 : Iournal	MF-Plenary1[Char:]	MF1-1[Chair.]	MF1-4[Chair:]	MF1-7[Chair:]	MF1-10[Chair:]
16:30-18:00 : Journal (RMPP) and Book	- , , , ,	MF1-1[Chair.] MF2-1 [Chair.]	MF1-4[Chair.] MF2-4 [Chair.]	MF1-7[Chair:] MF2-7 [Chair:]	MF1-10[Chair.] MF2-10 [Chair.]
(RMPP,) and Book	16:30-17:00: Break	MF1-1[Chair.] MF2-1 [Chair.] 16:30-17:00: Break	MF1-4[Chair:] MF2-4 [Chair:] 16:30-17:00: Break	MF1-7[Chair.] MF2-7 [Chair.] 16:30-17:00: Break	MF1-10[Chair.] MF2-10 [Chair.] 16:30-17:00: Break
	16:30-17:00: Break Topical Session 2:17:00-19:00	MF1-1[Chair.] MF2-1 [Chair.] 16:30-17:00: Break Topical Session 5:17:00-19:00	MF1-4[Chair.] MF2-4 [Chair.] 16:30-17:00: Break Topical Session 8:17:00-19:00	MF1-7[Chair:] MF2-7 [Chair:] 16:30-17:00: Break Topical Session 11:17:00-19:00	MF1-10[Chair.] MF2-10 [Chair.] 16:30-17:00: Break Topical Session 14:17:00-19:00
(RMPP,) and Book	16:30-17:00: Break Topical Session 2:17:00-19:00 CD-2[Char:]	MF1-Î(Chair.] MF2-1 (Chair.) 16:30-17:00: Break Topical Session 5:17:00-19:00 CD-5(Chair.)	MF1-4[Chair.] MF2-4 [Chair.] 16:30-17:00: Break Topical Session 8:17:00-19:00 CD-8 [Chair.]	MF1-7[Chair.] MF2-7 [Chair.] 16:30-17:00: Break Topical Session 11:17:00-19:00 CD-11 [Chair.]	MF1-10[Chair.] MF2-10 [Chair.] 16:30-17:00: Break Topical Session 14:17:00-19:00 CD-14 [Chair.]
(RMPP,) and Book	16:30-17:00: Break Topical Session 2:17:00-19:00 CD-2[Char:] F-2[Char:]	MF1-1[Chair:] MF2-1 [Chair:] 16:30-17:00: Break Topical Session 5:17:00-19:00 CD-5[Chair:] F-5[Chair:]	MF1-4[Chair:] MF2-4 [Chair:] 16:30-17:00: Break Topical Session 8:17:00-19:00 CD-8 [Chair:] F-8 [Chair:]	MF1-7(Chair:) MF2-7 (Chair:) 16:30-17:00: Break Topical Session 11:17:00-19:00 CD-11 (Chair:) F-11 (Chair:)	MF1-10[Chair] MF2-10 [Chair] 16:30-17:00: Break Topical Session 14:17:00-19:00 CD-14 [Chair:] F-14 [Chair:]
(RMPP,) and Book	16:30-17:00: Break Topical Session 2:17:00-19:00 CD-2[Char:] F-2[Char:] B-2[Chair:]	MF1-Î(Chair.] MF2-1 (Chair.) 16:30-17:00: Break Topical Session 5:17:00-19:00 CD-5(Chair.]	MF1-4[Chair.] MF2-4 [Chair.] 16:30-17:00: Break Topical Session 8:17:00-19:00 CD-8 [Chair.]	MF1-7[Chair.] MF2-7 [Chair.] 16:30-17:00: Break Topical Session 11:17:00-19:00 CD-11 [Chair.]	MF1-10[Chair.] MF2-10 [Chair.] 16:30-17:00: Break Topical Session 14:17:00-19:00 CD-14 [Chair.]
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(RMPP,) and Book	16:30-17:00: Break Topical Session 2:17:00-19:00 CD-2[Char.] F-2[Char.] A-2[Chair.] A-2[Chair.] A-2[Chair.] AS-Plenary2 [Chair.] MF-Plenary2 [Chair.]	MF1-1[Chair] MF2-1 [Chair] 16:30-17:00: Break Topical Session 5:17:00-19:00 CD-5[Chair:] F-5[Chair:] A-5[Chair:] 1-5[Chair:] 50-2 [Chair:] MF1-2[Chair:] MF1-2[Chair:] MF2-2[Chair:]	MF1-4(Chair.] 16:30-17:00: Break Topical Session 8:17:00-19:00 CD-8 (Chair.] F-8 [Chair.] F-8 [Chair.] A-8 (Chair.] L-8 (Chair.] SG-5 (Chair.] MF1-5 (Chair.] MF1-5 (Chair.] MF2-5 (Chair.)	MF1-7(Cabir] MF2-7 (Cabir] 16:30-17:00: Break Topical Session 11:17:00-19:00 CD-11 (Cabir:] F-11 (Cabir:] F-11 (Cabir:] A-11 (Cabir:] L-11 (Cabir:] SG-8 (Cabir:] MF1-8 (Cabir:] MF1-8 (Cabir:] MF2-8 (Cabir:] MF2-8 (Cabir:]	MF1-10[Chair.] MF2-10 [Chair.] 16:30-17:00: Break Topical Session 14:17:00-19:00 CD-14 [Chair.] F-14 [Chair.] A-14 [Chair.] A-14 [Chair.] SG-11 [Chair.] SG-11 [Chair.] MF1-11[Chair.] MF1-11[Chair.]
(RMPP,) and Book	16:30-17:00: Break Topical Session 2:17:00-19:00 CD-2(Char:] F-2(Char:] B-2(Chair:] A-2[Chair.] L-2 (Chair.] A-5-Plenary2 (Chair.]	MF1-1[Chair] MF2-1 [Chair] 16:30-17-00: Break Topical Session 5:17:00-19:00 CD-5[Chair] F-5[Chair] J-5[Chair] L-5[Chair] L-5[Chair] SA-2 [Chair] SA-2 [Chair] MF1-2[Chair]	MF1-4[Chair] MF2-4 [Chair] 16:30-17:00: Break Topical Session 8:17:00-19:00 CD-8 [Chair:] F-8 [Chair:] B-8 [Chair:] L-8 [Chair:] L-8 [Chair:] SA-5 [Chair:] MF1-5[Chair:]	MFI-T(Chair] MF2-T(Chair] 16:30-17:00: Break Topical Session 11:17:00-19:00 CD-11 (Chair) B-11 (Chair) B-11 (Chair) L-11 (Chair) L-11 (Chair) L-11 (Chair) L-11 (Chair) L-11 (Chair) A-11 (Chair) L-11 (Chair) MFI-8(Chair) SA-8 (Chair) SA-8 (Chair)	MFI-10[Chair.] MF2-10 [Chair.] 16:30-17:00: Break Topical Session 14:17:00-19:00 CD-14 (Chair.) F-14 [Chair.] F-14 [Chair.] A-14 [Chair.] SG-11 [Chair.] SG-11 [Chair.] SA-11 [Chair.] MFI-11[Chair.]
(RMPP,) and Book	16:30-17:00: Break Topical Session 2:17:00-19:00 CD-2(Char.) F-2(Chair.) F-2(Chair.) L-2 (Chair.] A-2-(Chair.] AS-Plenary2 [Chair.] MF-Plenary2 [Chair.] 19:00-19:30: Break	MF1-1[Chair] MF2-1 [Chair] 16:30-17:00: Break Topical Session 5:17:00-19:00 CD-5[Chair:] F-5[Chair:] A-5[Chair:] J-5[Chair:] S-2[Chair:] MF1-2[Chair:] MF1-2[Chair:] 19:00-19:30: Break	MF1-4(Chair.) MF2-4 (Chair.) 16:30-17:00: Break Topical Session 3:17:00-19:00 CD-8 (Chair.) F-8 (Chair.) F-8 (Chair.) A-8 (Chair.) A-5 (Chair.) SG-5 (Chair.) MF1-5 (Chair.) MF1-5 (Chair.) MF2-5 (Chair.) MF2-5 (Chair.) MF2-5 (Chair.)	MF1-7(Cabir] MF2-7 (Cabir] 16:30-17:00: Break Topical Session 11:17:00-19:00 CD-11 (Cabir:] F-11 (Cabir:] F-11 (Cabir:] A-11 (Cabir:] L-11 (Cabir:] SG-8 (Cabir:] MF1-8 (Cabir:] MF1-8 (Cabir:] MF2-8 (Cabir:] MF2-8 (Cabir:]	MFI-10[Chair] MF2-10 [Chair] 16:30-17:00: Break Topical Session 14:17:00-19:00 CD-14 [Chair] F-14 [Chair] F-14 [Chair] A-14 [Chair] A-14 [Chair] SG-11 [Chair] SG-11 [Chair] MFI-11[Chair] MFI-11[Chair] 19:00-19:30: Break
(RMPP,) and Book	16:30-17:00: Break Topical Session 2:17:00-19:00 CD-2[char:] B-2[chair.] B-2[chair.] L-2[chair.] L-3[chair.] MF-Plenary2 [Chair.] MF-Plenary2 [Chair.] 19:00-19:30: Break Plenary-3 (ZoomP):19:30-21:00	MF1-1[Chair] 16:30-17:00: Break Topical Session 5:17:00-19:00 CD-5[Chair:] F-5[Chair:] F-5[Chair:] A-5[Chair:] A-5[Chair:] S-2 [Chair:] MF1-2[Chair:] MF2-2[Chair:]	MF1-4[Chair] 16:30-17:00: Break Topical Session 8:17:00-19:00 CD-8 [Chair] F-8 [Chair] F-8 [Chair] A-8 (Chair] 1-8 [Chair] MF1-5[Chair] MF2-5[Chair]	MF1-T(Chair:] 16:30-17:00: Break Topical Session 11:17:00-19:00 CD-11 (Chair:] F-11 (Chair:] F-11 (Chair:] A-11 (Chair:] A-11 (Chair:] S-6-8 (Chair:] MF1-8 (Chair:] MF2-8 (Chair:] MF2-9 (Chair:]	MFI-10[Chair] MF2-10 [Chair] 16:30-17:00: Break Topical Session 14:17:00-19:00 CD-14 [Chair] F-14 [Chair] F-14 [Chair] A-14 [Chair] A-14 [Chair] SG-11 [Chair] SG-11 [Chair] MF2-11 [Chair]
(RMPP,) and Book	16:30-17:00: Break Topical Session 2:17:00-19:00 CD-2(Char.] B-2(Chair.] B-2(Chair.] L-2(Chair.] A-2(Chair.] A-3(Penary.2 (Chair.) MF-Plenary.2 (Chair.) 19:00-19:30: Break Plenary-3 (ZoomP):19:30-21:00 (Chair.)	MF1-1[Chair] MF2-1[Chair] 16:30-17:00: Break Topical Session 5:17:00-19:00 CD-5[Chair:] F-5[Chair:] A-5[Chair:] A-5[Chair:] 5-6-2[Chair:] MF1-2[Chair:] MF1-2[Chair:] 19:00-19:30: Break Plenary-6 (ZoomP): 19:30-21:00 [Chair:]	MF1-4(Chair.) MF2-4 (Chair.) 16:30-17:00: Break Topical Session 3:17:00-19:00 CD-8 (Chair.) F-8 [Chair.] F-8 [Chair.] A-8 (Chair.) A-5 (Chair.] MF1-5 (Chair.) MF1-5 (Chair.) MF2-5 (Chair.) MF2-5 (Chair.) MF2-5 (Chair.) Plenary-9 (ZoomP): 19:30-21:00 (Chair.)	MF1-7(Caiar] MF2-7 [Chair] 16:30-17:00: Break Topical Session 11:17:00-19:00 CD-11 [Chair.] F-11 [Chair.] F-11 [Chair.] A-11 [Chair.] L-11 [Chair.] S-3-6 [Chair.] MF3-8 [Chair.]	MFI-10[Chair] MF2-10 [Chair] 16:30-17:00: Break Topical Session 14:17:00-19:00 CD-14 [Chair] F-14 [Chair] F-14 [Chair] A-14 [Chair] A-14 [Chair] A-16 [Chair] MF1-11[Chair] MF1-11[Chair] MF2-11 [Chair] J9:00-19:30: Break Plenary-15 (ZoomP): 19:30-21:00 [Chair]
(RMPP,) and Book	16:30-17:00: Break Topical Session 2:17:00-19:00 CD-2[char:] B-2[chair.] B-2[chair.] L-2[chair.] L-3[chair.] MF-Plenary2 [Chair.] MF-Plenary2 [Chair.] 19:00-19:30: Break Plenary-3 (ZoomP):19:30-21:00	MF1-1[Chair] 16:30-17:00: Break Topical Session 5:17:00-19:00 CD-5[Chair:] F-5[Chair:] F-5[Chair:] A-5[Chair:] A-5[Chair:] S-2 [Chair:] MF1-2[Chair:] MF2-2[Chair:]	MF1-4[Chair] 16:30-17:00: Break Topical Session 8:17:00-19:00 CD-8 [Chair] F-8 [Chair] F-8 [Chair] A-8 (Chair] 1-8 [Chair] MF1-5[Chair] MF2-5[Chair]	MF1-T(Chair:] 16:30-17:00: Break Topical Session 11:17:00-19:00 CD-11 (Chair:] F-11 (Chair:] F-11 (Chair:] A-11 (Chair:] A-11 (Chair:] S-6-8 (Chair:] MF1-8 (Chair:] MF2-8 (Chair:] MF2-9 (Chair:]	MFI-10[Chair] MF2-10 [Chair] 16:30-17:00: Break Topical Session 14:17:00-19:00 CD-14 [Chair] F-14 [Chair] F-14 [Chair] A-14 [Chair] A-14 [Chair] SG-11 [Chair] SG-11 [Chair] MF2-11 [Chair]

## **AAPPS-DPP General Assembly (Oct. 9(Sun))**:

AAPPS-DPP general assembly will be held to appoint new Member of Board of Directors, Auditor and approval of budget balance. Activity reports will also be given at the assembly.

#### RMPP Chief/Associate/Guest Editor Meeting (Oct. 9(Sun)):

RMPP Editor meeting will be held to review status and discuss future plan.

**Opening session (Oct. 10 (Mon))**: The Opening session will be of 90 minutes duration and include opening addresses, and introduction of AAPPS-DPP Prize and Award winners such as S. Chandrasekhar Prize, Plasma Innovation Prize, U40 and U30 awards.

**Plenary Talk:** A plenary talk will be of 30 minutes duration including a one-minute introduction by the session chair and 4 minutes of discussion. It is planned to have a total of 39 plenary talks distributed among three time zones so that we can accommodate outstanding talks from all over the world. Plenary talks should be pitched for a general audience of plasma physicists and not towards specialists of a particular sub-field. Therefore, speakers should provide some tutorial content in the beginning and minimize using jargon specific to one's own field of expertise. The scientific contents of the talk should also be limited to a few outstanding works.

**Topical sessions:** Topical sessions are distributed among 9 sub-disciplines; Cross Disciplinary (Self-organization) (CD), Fundamental (F), Basic (B), Applied (A), Laser (L), Space/Geomagnetism (SG), Solar/Astro (SA), Magnetic Fusion 1(core plasma) (MF1), Magnetic Fusion 2 (edge/divertor) (MF2).

#### Here.

Fundamental: All "Fundamental disciplines" common to various plasma application fields, such as plasma turbulence, MHD/Kinetic MHD and reconnection, Dynamo Theory, Gyrokinetic theory, Collisional transport, et al and Mathematical plasma physics. The Fundamental session welcomes papers on simulation and experiment which address fundamental questions in plasma physics

Basic: All common "methods" in plasma physics such as plasma diagnostics, plasma simulation, plasma sources. In this era of exascale computing, application of AI and Machine Learning as well as BigData methods to plasmas are strongly encouraged. This year, we have Quantum plasma (QP) and Dusty plasma (DP) sessions, Simulation and Diagnostics sessions, Basic experiments (BX) and Plasma Source (PS) session.

**Topical Plenary Talk:** Each subdiscipline may have a topical plenary talk of 40 minutes duration including a one-minute introduction by the session chair and 5 minutes of discussion. Topical plenary talks may be either in a single discipline (CD, F, B, A, L) or in joint sessions (SA+SG, MF1+MF2). The speaker can assume that the audience is aware of the key words in the common fields.

**Invited talk**: An invited talk is of 30 minutes duration including a one-minute introduction by the session chair and 4 minutes of discussion. The speakers are advised not to use crowded viewgraphs with so much information that there is no time to effectively describe it all.

**Oral talk**: An oral talk will be of 15 minutes duration including 3 minutes for an introduction by the session chair and some discussions.

**Poster presentation:** A Poster Web site will be available. Poster presenter will upload a pre-recorded brief overview video of the poster within 3 minutes duration (<100Mb) in addition to One-page poster. Participants can access a poster and recorded 3 minutes summary video by clicking on the poster ID. The audience can also input questions and comments on a poster. An email will then be automatically generated and sent to the presenter. The presenter is expected to post a reply by the end of the day.

Plenary and invited speakers can be nominated by any plasma physicists and is not limited to AAPPS-DPP members. Based on competitive nominations, plenary and invited speakers will be selected from nominations of plenary and invited speakers. Oral and poster presentations will be selected from contributed abstract submissions by each sub-disciplinary Program Committee.

### [8] Nomination of Plenary and Invited Speakers

The site for nomination of plenary and invited speakers is <a href="https://www.gakkai-web.net/aappsdpp\_nm/">https://www.gakkai-web.net/aappsdpp\_nm/</a> Both nomination by other or self-nomination are acceptable. Use template at the site.

Conference has one-oral rule. So multiple nominations are snot accepted, while an additional poster presentation is encouraged. Do not forget/delete ID and PW so that you can modify nomination.

This site includes nominations for both AAPPS-DPP2022(Oct 9-14) and APPC-15 (Aug. 21-26). Selection will be done by each PC.

# AAPPS-DPP2022 Annual Conference

Date Date October 9 - 14, 2022

Note: Conference will be held full on-line e-conference APPC-15 Date August 21-26, 2022 Note: Selection among (on-site, on-line, hybrid) on March

## Nomination of plenary and invited papers

New Submission	Register your information and get an Nomination ID and Password.	
Confirm / Modify	Confirm / Modify the registered information.	
File Upload	Upload your PDF file.	
PDF File View	View submitted PDF file.	
Cancellation	Withdraw your submission.	
Resend Password	Resend login information.	

Please download and fill the following form and submit to this site.

Template

If you have any questions, please contact here.

Web site for contributed, plenary and invited abstract: to be announced later.

#### [9] On-line conference

Zoom Meeting will be used for all sessions. Manuals will be prepared for Presenter, Chairs, Chair-support, Audience similar to AAPPS-DPP2020, 2021.

**Network:** Connect to stable network. If not, application may be terminated. If you had network problem last year, please prepare way to improve your network.

**Before conference:** Please download Zoom application. If you use Web browser for Zoom, use Google Chrome. **Conference Web access:** Conference site is accessible through "My Page" created for registered participants.

**During presentation:** Session chair will make all "mute" except host and speakers. After the talk, session chair will unmute to start discussion.

Chat: Audience can input chat during presentation.

Microphone: Use earphone to minimize howling when you turn on the microphone for talk and question.

Session close: After the end of Q&A, session will be closed by host. All participants will be out automatically.

**Termination:** Meeting room may be terminated and changed if we have Zoom Bombing or big noise.

**Copyright and Cloud recording:** All presentation will be automatically recorded and its copyright belongs to organizer and authors. It is not allowed for participants to record and use for other purpose unless it is allowed by organizer and author. Last year, there are number of issues related to editing/deleting unwilling records and took long time to upload to conference Web site. If the author do not want recording, it must be informed to Zoom team and there might be a consideration for program allocation to reduce editing works of recorded file.

## [10] Committees

## **International Organizing committee**

IOC chair: Baonian Wan (CN), IOC Co-chairs: Mitsuru Kikuchi (JP), Abhijit Sen (IN), Wonho Choe (KR) **Plasma societies:** Michael Brown(APS-DPP), Richard Dendy (EPS-DPP), Yasuhiko Sentoku (JPS-plasma), Dongo JEON(KPS-DPP), Prabal K. Chattopadhyay (PSSI), Masayuki Umemura (ASJ), Yipeng Jing (CAS), GC Anupama (ASI), Yasuharu Omura (SGEPSS), Ji Wu (CSSR), Kazuo Kyuma (LSJ), Jie Zhang (CPS-DHEDP), Mineo Hiramatsu (JSAP-DPE), Yuan-Hong Song(DPP-CSTAM), Jing Zhang (DPP-CSTAM), Masahiro Mori(JSPF), Rajdeep S. Rawat(AAAPT), Matthew J. Hole (Australian ITER Forum), Sooseok Choi(PDD-KVS), Narayan P. Chapagain (NPS), Kuru Ratnavelu (MIP),

**DPP Prize Laureates:** Don Melrose (AU), Lou-Chuang Lee (TW), Chio Zong Cheng (TW), Toshiki Tajima (JP/US), Liu Chen (CN), Kazunari Shibata (JP), Roderick Boswell (AU), Hyeon Park (KR), Masaru Hori (JP), TS Hahm(KR), **CD:** K.R. Sreenivasan (US/IN), Rahul Pandit(IN), Gregory Falkovich (IL), Michio Yamada (JP), Roald Sagdeev(US), Uriel Frisch(FR), Patrick Diamond (CN/US), Amita Das (IN), Y. Kosuga(JP),

**Fundamental:** Akira Hasegawa (JP), R.L. Dewar (AU), Chuan Sheng Liu (US), Zensho Yoshida (JP), Hideo Sugama (JP), Akihide Fujisawa (JP), Yasushi Ono (JP), Guoyang Fu (CN), Shaojie Wang (CN), F.

Zonca (IT), Dominique Escande (FR), Xavier Garbet (FR), George Tynan(US), James Drake (US), Ding Li (CN), Phillip Morrison (US), Yasushi Todo (JP), Hui Li(US), Tomohiko Watanabe (JP), JM Kwon(KR),

Basic: Lin I (TW), Chiow-San Wong (MY), Rajaraman Ganesh (IN), Michel Bonitz (DE), Giovanni Manfredi (FR), Amar Misra (IN), Osamu Ishihara (JP), Guru Ganguli (US), Troy Carter (US), Mike Mauel (US), Cary Forrest (US), Shunjiro Shinohara (JP), Hiroshi Akatsuka (JP), Yaming Zou (CN), Kwo Ray Chu (TW), Yoshiharu Uesugi (JP), Igor Levchenko (SG), Katia Bazaka (AU), Shin-Hung Chen (TW), Avinash Khare (IN), Yasuhiro Idomura (JP), Frank Jenko (US), Zhihong Lin (US), Fredrick Skiff (US), Cormac Corr (AU), Heremba Bailung (IN), Sudeep Bhattacharjee(IN), A A Mamun (BG), Yan Feng (CN), Kenji Tanaka (JP), Choong-Seock Chang (US), Kazunori Takahashi (JP), Gunsu Yun (KR),

Applied: Rikizo Hatakeyama (JP), Francis F. Chen (US), S.J. Yoo (KR), Yi-Kang Pu (CN), Masaharu Shiratani (JP), Giichiro Uchida (JP), Paul Kim Ho Chu (HK), Eun Ha Choi (KR), Michael Keidar (US), Felipe Iza (UK), Eric Johnson (FR), Heping Li (CN), Jinxiu Ma (CN), Jung-Sik Yoon (KR), Deepak Prasad Subedi (NP), Ashish Gangul (IN), Bong Geun Hong (KR), Sudhir Kumar Nema (IN), Jing Zhang (CN), Uwe Czarnetzki (DE), JJ Shi (CN), Tony Murphy(AU), SY Moon (KR), Subroto Mukherjee (IN), Xin Tu(UK), Takayuki Watanabe (JP), Tao Shao (CN)

Laser: Kunioki Mima (JP), Xian Tu He (CN), Chang Hee Nam (KR), Heinrich Hora (AU), Ryosuke Kodama (JP), G. Ravindra Kumar (IN), Yutong Li (CN), M. Krishnamurthy (IN), Zheng Ming Sheng (CN), Yoshiaki Kato (JP), Tetsuya Kawachi (JP), Chan Joshi (US), E. Michael Campbell (US), Sylvie Jacquemot (EU), Robert Bingham (UK), Sergei Bulanov (EU), Vladimir Tikhonchuk (FR), Michel Koenig(FR), Kazuo Tanaka (RO), Hideaki Takabe (TW), Youichi Sakawa (JP), Masakatsu Murakami (JP), Hiroyuki Shiraga (JP), Hitoki Yoneda (JP), Jian Zheng (CN), Wei Lu (CN), Ke Lan(CN), Baifei Shen (CN), Sudip Sengupta (IN), Hyyong Suk (KR), James Sadler (US), Mark Herrmann (US), S. Fujioka (JP), Min Chen (CN), Kitae Lee (KR), Ram Gopal (IN)

**Space/Geomag:** Bimla Buti (IN), Zuyin Pu (CN), Ryouichi Fujii (JP), Dong-Hun Lee (KR), Chuanyi Tu (CN), Xiaohua Deng (CN), Xiaogang Wang (CN), Lin Ni Hau (TW), Gurbax Lakhina (IN), Iver Cairns (AU), Dae-Young Lee (KR), Daniel Baker (US), Peter Yoon (US), Yu Lin (US), Fouad Sahraoul (FR), Akira Kageyama (JP), Chi Wang (CN),

Yusuke Ebihara (JP), Xuening Bai (CN), Chris Crabtree (US), Jiansen He (CN), Quanming Lu (CN), Toru Hada (JP), Abraham Chian(AU)

Solar/Astro: Arnab Rai Chaudhuri (IN), Jingxiu Wang (CN), Masahiro Hoshino (JP), Jongchul Chae (KR), De-Jin Wu (CN), Kanya Kusano (JP), Rony Keppens (DE), Joerg Buechner (DE), Geoffrey Bicknell (AU), Dongsu Ryu (KR), Jinlin Han (CN), Feng Yuan (CN), Vinod Krishan (IN), Dipankar Banerjee (IN), Shu-ichiro Inutsuka (JP), Hantao Ji (US), Shuang-Nan Zhang (CN), Wing-Huen Ip (TW), Takaaki Yokoyama (JP), Jungyeon Cho (KR), Peng-Fei Chen (CN), Ryoji Matsumoto (JP),

Magnetic Fusion: Won Namkung (KR), Akio Komori (JP), Xuru Duan (CN), Jiangang Li (CN), Yongseok Hwang(KR), Hiroshi Yamada (JP), Siwoo Yoon (KR), Lu Wang (CN), Tomohiro Morisaki (JP), Guosheng Xu(CN), Xianzu Gong (CN), Jiaqi Dong (CN), Zhe Gao (CN), Yutaka Kamada (JP), Yasuaki Kishimoto (JP), Shashank Chaturvedi (IN), Anthony Donne (EU), Sibylle Guenter (DE), Per Helander (DE), Ulrich Stroth (DE), Alain Becoulet (ITER), Alberto Loarte (ITER), Tim Luce (ITER), Andrea Grosman(CEA), Tuong Hoang(CEA), Ian Chapman (UK), Joaquin Sanchez (ES), Francesco Romanelli (IT), Piero Martin (IT), Paola Mantica (IT), Ambrogio Fasoli (CH), Tony Taylor (US), Francois Waelbloeck (US), Dennis Whyte (US), John Menard (US), Yuanxi Wan (CN), Kazunobu Nagasaki (JP), Kazuaki Hanada (JP), Mizuki Sakamoto (JP), Richard Buttery (US), Yunfeng Liang (DE), Takaaki Fujita (JP), Howard Wilson (UK), Stan Kaye (US), P. Snyder (US), J. Rice (US), S. Brezinsek (DE), R. Wolf (DE), Kerchung Shaing(TW), Mike Zarnstorff(US), Boris Kuteev(RU), Min Xu (CN), Katsumi Ida (JP), Yong-Su Na (KR), W. Zhong (CN), Yongkyoon In (KR), K. Hanada(JP), Ge Zhuang(CN), YoungMu Jeon(KR),

#### Scientific Program committee

General PC chair: M. Kikuchi(JP), co-chairs: A. Sen(IN), B.Wan(CN), Wonho Choe(KR)

**CD** (Self-organization of complex systems): Patrick Diamond (US/CN, chair), Amita Das, IIT-Delhi (IN, vice-chair), Yusuke Kosuga (JP, vice-chair), Guilhem Dif-Pradalier(FR), Rahul Pandit(IN), Yoshiyuki Hayashi(JP), V. Ravishankar (IN), David Hughes(UK), MJ Choi(KR), Zhibin Guo (CN)

**F** (**Fundamental**); Hui Li(US, chair), T.H. Watanabe(JP, vice-chair), Jae-Min Kwon(KR, vice-chair), Xavie Garbet (FR), tbd.

**B** (Basic); Sudeep Bhattacharjee(IN, Chair), A.A. Mamun(BG, vice-chair), Amar P. Misra(IN), Yan Feng (CN, Vice chair), Hanno Kahlert(DE), Kenji Tanaka(JP, vice-chair), Malay Bikas Chowdhuri(IN), Choong-Seock Chang(US/KR, vice-chair), Hong Qin(US), Gunsu Yun(KR, Vice Chair), Takuma Yamada(JP), Kazunori Takahashi(JP, vice-chair), Hae June Lee(KR)

**A** (**Applied**); Tony Murphy(AU, chair), Se Youn Moon(KR, vice chair), Subroto Mukherjee(IN, vice chair), Xin Tu(UK, vice chair), Takayuki Watanabe(JP, vice chair), Tao Shao(CN, vice chair), Giichiro Uchida(JP), Hai-Xing Wang(CN), Peter Bruggeman(US), et al.

L (Laser); Shinsuke Fujioka(JP, Chair), Min Chen (CN, vice chair), Ram Gopal(IN, vice chair), Kitae Lee(KR, vice chair), ZM. Sheng(CN), Jian Zheng(CN), Yongtao Zhao(CN), Ke Lan(CN), Bing Qiao(CN), Weiming Zhou(CN), Sudip Sengupta(IN), Bhuvanesh Ramakrishna(IN), B. S. Rao(IN), Yoshitaka Mori(JP), Takuo Okuchi(JP), Mamiko Nishiuchi(JP), Hyyong Suk(KR), Byoung-Ick Cho(KR), Jae Hoon Kim(KR), Stefan Weber(EU), Johan Frenje(US)

SG (Space/ Geomagnetism); QuanMing Lu (CN, Chair), Tohru Hada(JP, vice chair), Abraham Chian(AU, Vice chair), Lin-Ni Hau(TW), Masahiro Hoshino(JP), Gurbax Lakhina(IN), Dong-hun Lee(KR), Bertrand Lembege(FR), Narita Yasuhito(AT), Yoshiharu Omura(JP), David Ruffolo(TH), Nazish Rubab(PK), Kanako Seki(JP), Peter H. Yoon(US), Meng Zhou(CN)

SA (Solar/Astro); Jungyeon Cho(KR, Chair), Peng-Fei Chen(CN, Vice Chair), Ryoji Matsumoto(JP, Chair), Patrick Antolin (UK), Jinlin Han(CN), Shu-ichiro Inutsuka(JP), Lou Lee(TW), Hantao Ji(US), Rony Keppens(DE), Hui Li(US), Brigitte Schmieder(FR), Takaaki Yokoyama(JP), Fu-Lai Guo(CN), Durgesh Tripathi(IN), Takeru Suzuki(JP), Kyungsuk Cho(KR)

**MF1** (Core); Min Xu(CN, Chair), Katsumi Ida(JP, vice chair), Yong-Su Na(KR, vice chair), Wulyu Zhong(CN, Vice chair), members tbd.

MF2 (Edge/Div); Yongkyoon In(KR, chair), Kazuaki Hanada (JP, vice-chair), Ge Zhuang(CN, Chair), YoungMu Jeon(KR, vice-chair), Masahiro Kobayashi(JP), Mizuki Sakamoto(JP), Liang Wang(CN), Laizhong Cai(CN), Gunyoung Park(KR), Hyungho Lee(KR), Rajesh Maingi(US), EU(tbd)

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