



**Fourth Regular General Assembly (Business year FY2022) Sep 26, 14:30-15:30 (ZoomP)  
To Regular Members (FY2022)**

**AAPPS-DPP Assoc. Inc.  
CEO (Representative director) Mitsuru Kikuchi**

**Fourth Regular General Assembly (Business year FY2022)**

The fourth general assembly of AAPPS-DPP Assoc. Inc. (FY2022 General Assembly (GA)) will be held on 26th, September, 2021 at e-conference Zoom conference room.

General Assembly (GA) is highest decision body of AAPPS-DPP Assoc. Inc. as set by “Articles of Incorporation General incorporated Association, Division of Plasma Physics, Association of Asia-Pacific Physical Societies (<http://aappsdp.org/DPPhoujin/teikan.html>). Regular member who do not participate in the general assembly can exercise voting right through electronic means (Article 17).

Fourth Regular General Assembly

Date and time : September 26, 2021 (Sunday) 14:30-15:30

Place : AAPPS-DPP2021 e-conference room ZoomP

Agenda:

1. Resolution

1.1 Proposal 1: Adoption of balance sheets and profit and loss statements and their detailed documents

[Vice chair for Budget M. Shiratani]

1.2 Proposal 2: Appointment of directors [ Chair : B. Wan ]

2. Report

2.1 FY2021 Business Report [CEO: M. Kikuchi]

2.2 FY2022 Business Plan [CEO: M. Kikuchi]

2.3 FY2022 Budget Plan [CEO: M. Kikuchi]

**Fourth Regular General Assembly (Business year FY2022) Sep 26, 14:30-15:30 (ZoomP)**
**1. Resolution**
**1.1 Proposal 1: Adoption of balance sheets and profit and loss statements and their detailed documents**

## Balance Sheet

AAPPS-DPP Association Inc.

As of August 31, 2021 (Unit: JPY)

Subject	Current year
<b>I Assets section</b>	
1. current assets	
Cash deposit	9,134,123 (+USD1,302)
Accounts receivable	0
Total current assets	9,134,123 (+USD1,302)
2. Fixed assets	
(1) Permanent Property	
Total Permanent Property	0
(2) Specific assets	
Total Specific assets	0
(3) Other Fixed Assets	
Total other fixed assets	0
Total Fixed assets	0
Total Assets	9,134,123 (+USD1,302)
<b>II Liabilities section</b>	
1. Current Liabilities	
Unfaid cooperate taxes	0
Total Current Liabilities	0
2. Fixed Liabilities	
Total Fixed Liabilities	0
Total Liabilities	0
<b>III Net assets</b>	
1. Designated net assets	0
2. General net assets	9,134,123 (+USD1,302)
Total Net assets	9,134,123 (+USD1,302)
Total liabilities and net assets	9,134,123 (+USD1,302)

## Income Statement

AAPPS-DPP Association Inc.

From September 1, 2020 to August 31, 2021 (Unit JPY)

Subject	FY2021 (2020.9.1-2021.8.31)	FY2020 (2019.9.1-2020.8.31)	Increment
<b>1. General net asset</b>			
[Ordinary asset]			
[Ordinary revenue]			
Annual conference registration	8,416,149	0	+8,416,149
Journal RMPP	241,399	286,912	-45,513
Conference Subsidy(APCTP)	0	913,074	-913,074
Sponsorship / Chandra+Web Income(MIP)	1,049,200	537,450	511,750
: U30 (IFE Forum)	USD 4,982	USD 4,800	+USD 182
	350,000	350,000	0
Miscellaneous (Interest)	90+USD 0.23	77	13+USD 0.23
Total ordinary revenue	10,056,838	2,087,513	+7,969,325
	USD 4,982.23	USD 4,800	+USD 182.23
[Ordinary expenses]			
[Operating expenses]			
Officer Remuneration	3,203,260	3,209,520	Δ6,320
Gov. Tax	59,800	54,800	+5,000
Pension and Insurance	682,020	682,980	Δ960
Conference HP(AAPPS-DPP2020)	1,851,135	713,482	+1,137,653
Zoom team expense	553,166	0	+553,166
Traffic expenses	0	37,608	Δ37,608
Publication expenses	0	100,000	Δ100,000
Award expense	1,095,050	818,630	+276,420
: U30 (IFE Forum)	USD 5,000	USD 5,000	
	ΔUSD17.77		ΔUSD17.77
Subsidy for conference	( paid by APCTP) 0	994,236	-
		USD -730	
[Administrative expenses]			
Communication and Transportation expenses (phone use, Biz station, Step server)	106,424	109,465	Δ3,041
Consumable expenses (printer toner, paper, soft)	53,418	95,630	Δ42,212
Handling charge	34,538	27,090	+7,448
Legal expenses(legal document)	20,600	10,000	+10,600
Total ordinary expenses	7,659,411	6,846,141	+260,104
	USD 4,982.23	USD 4,270	+USD 712.23
Current year ordinary income	2,397,427	Δ4,758,628	Δ2,755,683
	USD 0.0	USD 530	
[Non-recurring asset]			
[Non-recurring revenue]			
[Other non-recurring revenue]			
Business succession (from Voluntary AAPPS-DPP)	0	0	0
Total non-recurring revenue	0	0	0
[Non-recurring expenses]			
Total non-recurring expenses	0	0	0
<b>Current year non-recurring income</b>	0	0	0
<b>Current year general net asset before tax</b>	2,397,427	Δ4,758,628	+7,156,055
	USD 0	USD 530	ΔUSD530
<b>Corporate resident tax (State tax, city tax)</b>	0	0	0
<b>Current year general net asset</b>	2,397,427	Δ4,758,628	+7,156,055
	USD 0	USD 530	ΔUSD530
<b>General net assets start of period balance</b>	6,736,696	11,495,324	+2,397,427
	USD1,302	USD772	USD 0
<b>General net assets end of period balance</b>	9,134,123	6,736,696	+2,397,427
	USD1,302	USD1,302	USD 0
<b>2. Net assets end of period balance</b>	9,134,123	6,736,696	+2,397,427
	USD1,302	USD1,302	USD 0

## Income Statement (Breakdown)

AAPPS-DPP Association Inc.

From September 1, 2020 to August 31, 2021 (Unit JPY)

Subject	Current year
<b>1. General net asset</b>	
[Ordinary asset]	
[Ordinary revenue]	
Conference registration	8,416,149
RMPP revenue	241,399
Conference sponsor/Web advertisement (NFRI)	1,049,200
Sponsorship Chandrasekhar (DAWONSYS)	USD 4,982
Sponsorship U30 (IFE Forum)	350,000
Miscellaneous revenue (Interest)	90 +USD 0.23
Total ordinary revenue	10,056,838 USD 4,982.23
[Ordinary expenses]	
[Operating expenses]	
Officer Remuneration (Sept. – Aug)	3,203,260
Gov. Income Tax	59,800
Pension & Insurance	682,020
Conference HP (AAPPS-DPP2020)	1,851,135
Zoom team expenses	553,166
Award expenses	1,095,050+USD 4,982.23
Chandrasekhar cash	USD 5,000 1,890-USD17.77
PIP cash	315,300
Plasma Innovation medal	15,840
U40 & U30 cash	515,280
U40 plate	55,440
U30 plate	61,600
Poster prize(book)	100,000
shipping	29,700
Subsidy for AAPPS-DDPP conference (directly sent by APCTP)	0
[Administrative expenses]	
Communication and Transportation expenses	106,424
Cell phone communication fee (Aug-Aug)	71,144
Biz station light usage fee (Sept-Aug)	21,120
Step-server usage fee (1 year)	14,160
Equipment expenses (phone, PC, etc.)	0
Consumable expenses	53,418
Printer toner	34,067
Other cost	19,351
Handling charge	34,538
Legal expenses(Change registration of directors)	20,600
Total ordinary expenses	7,659,411 USD 4,982.23
Current year ordinary income	2,397,427 USD 0.0
[Non-recurring asset]	
[Non-recurring revenue]	
[Other non-recurring revenue]	
Business succession	0
Total non-recurring revenue	0
[Non-recurring expenses]	
Total non-recurring expenses	0
Current year non-recurring income	0
Current year general net asset before tax	2,397,427 USD 0
Corporate resident tax (State tax, collection hold for city tax)	0
Current year general net asset	2,397,427 USD 0
General net assets start of period balance	6,736,696 USD1,302
General net assets end of period balance	9,134,123 USD1,302
<b>2. Net assets end of period balance</b>	9,134,123 USD1,302

## 2021 budget (plan and result summary)

Item	2020 Result	2021 Plan	2021 Result	Note for 2021
<b>Income (JPY)</b>	<b>13,582,837</b>	<b>15,276,696</b>	<b>16,793,534</b>	
1. Carry over	11,495,324	6,736,696	6,736,696	
2. Ann. conf.	0	7,000,000	8,416,149	Reg. fee 2020
3. RMPP	286,912	280,000	241,399	
4. APCTP sup.	913,074	910,000	0	No transfer to DPP
5. Conf. Sponsor	537,450	-	1,049,200	NFRI
6. U30(IFE)	350,000	350,000	350,000	IFE-forum for 2020 U30
7. Interest	77	0	90	
<b>Income (USD)</b>	<b>USD 5,572</b>	<b>USD 16,302</b>	<b>USD 6,284</b>	
1. Carry over	USD772	USD1,302	USD1,302	
2. APPC-14	USD2,300	-		
3. Chandra sponsor	USD2,500	USD5,000	USD4,982	Dawonsys
4. Sponsor	-	USD10,000	-	See 5. In JPY
<b>Expenditure</b>	<b>6,846,141</b>	<b>8,168,520</b>	<b>7,659,411</b>	
	<b>USD 4,270</b>	<b>USD 13,600</b>	<b>USD 4,982</b>	
1. Admin. Cost				
M. of Justice	10,000	12,000	20,600	2 times(Indian Air delay)
State&City Tax	-7,300	0	0	
Zoom team	0		553,166	Zoom operation(Koga)
MAC/PC soft	70,893	100,000	0	
Printer Toner	19,228	50,000	34,067	
Printer Paper	2,434	4,000	0	
Phone use	74,249	120,000	71,144	
Biz Station	21,056	21,120	21,120	
Step server	14,160	14,160	14,160	
Handling charge	27,090	27,000	34,538	MUFG
Traffic cost	37,608	100,000	0	
Other cost	3,075	100,000	19,351	
TOYO company	713,482	2,000,000	1,851,135	
<b>Sub-total</b>	<b>985,975</b>	<b>2,548,280</b>	<b>2,619,281</b>	
2. Staff cost				
Remuneration	3,209,520	3,200,000	3,203,260	
Gov. Tax	54,800	65,000	59,800	
Pension & Insurance	682,980	685,000	682,020	
<b>Sub-total</b>	<b>3,947,300</b>	<b>3,950,000</b>	<b>3,945,080</b>	
3. Publication cost				
32 papers (2018)	100,000	500,000	0	
4. Financial supp.	994,236	910,000	0	Honorarium paid by APCTP
	-USD730			
5. Prize&Award				
Chandra cash1	537,450	USD5,000	USD5,000	H. Park(US)
Chandra cash2	USD5,000		1,890-17.77USD	Supplement 17.77USD
Innovation Cash	LOC	USD3,000	315,300	M. Hori(JP)
Innovation Medal	20,240	20,240	15,840	PIP Medal
U40 cash(JP)			105,280	U40(Ohira, Ito)
U40 cash	LOC	USD3,500	410,000	To Rakuten account (U40, U30 cash transfer)
U30 cash	200,880	USD2,100		
U40 plates	LOC	70,000	55,440	U40 plates x 6
U30 plates	60,060	70,000	61,600	U30 plates x 7
Poster prize	LOC	100,000	100,000	To Rakuten acc. (books)
Other cost			29,700	Shipping[Chan,PIP,U40,U30]
6. Carry Over	<b>6,736,696</b>	<b>7,108,176</b>	<b>9,134,123</b>	
	<b>USD1,302</b>	<b>USD2,702</b>	<b>USD1,302</b>	

\*: Unit : JPY if not specified. [FY2020: (2019.9.1-2020.08.31), FY2021: (2020.9.1-2021.08.31)]

**Note on Remuneration:** Remuneration for CEO and Executive Director is defined by the March 1, 2019 general assembly and approved the BoD on March 9, 2019 based on the Article 27 of Articles of Incorporation.

# Audit Report for FY 2021

AAPPS-DPP CEO Dr. M. Kikuchi

I have audited the operations and accounting of the Division of Plasma Physics, Association of Asia-Pacific Physical Societies from September 1, 2020 to August 31, 2021. I will report on the audit methods and results as follows.

## 1. Audit method and its contents

I have participated in important meetings such as the Board of Directors to hear the status of deliberation at the Board of Directors, and checked the annual report of the 2021 fiscal year for strict and fair business execution and accounting of AAPPS-DPP in the 2021 fiscal year.

## 2. Audit results

- (1) The business report and financial statements shown in the annual report of 2021 fiscal year are recognized to be accurate and fair in accordance with laws and regulations.
- (2) No serious violations of directors' performance of duties or serious violations of laws or the Articles of Incorporation are recognized.
- (3) I acknowledge that financial statements are appropriate in all important respects of corporate property and profit / loss status.
- (4) As a matter of urgency, continuous support and participation from the BOD member countries for the secretariat of AAPPS-DPP is necessary to be a healthy and sustainable international society.



Yoshihiko Uesugi

Auditor of AAPPS-DPP

2609-1 Tokugawa-cho, Higashi-ku,

Aichi, 461-0023, Japan

September 17, 2021

## Fourth Regular General Assembly (Business year FY2022) Sep 26, 14:30-15:30 (ZoomP)

### 1.2 Proposal 2: Appointment of directors

Both M. Krishnamurthy(TIFR) and Min Xu (SWIP) are end of term and to be re-appointed. We (current BoD) propose 2020-2022(BoD) below.

Name	Continued / Re-appoint	Role (to be decided in BoD)
1. Mitsuru Kikuchi(AAPPS-DPP)	[Continued]	CEO (Representative Director)
2. Baonian Wan (ASIPP)	[Continued]	Chair
3. Zensho Yoshida (NIFS)	[Continued]	Fundamental Plasma Physics
4. M. Krishnamurthy(TIFR)	<b>[Re-appoint]</b>	Laser Plasma Physics
5. Xiao-Hua Deng (Nanchang U)	[Continued]	Space & Geomag Plasma Physics
6. Ryoji Matsumoto (Chiba U)	[Continued]	Solar & Astro Plasma Physics
7. Min Xu (SWIP)	<b>[Re-appoint]</b>	Magnetic Fusion Plasma Physics
8. Ge Zhuang (USTC)	[Continued]	Magnetic Fusion Plasma Physics
9. Masaharu Shiratani (Kyushu U)	[Continued]	Next DPP conf.& Budget
10. Rajdeep S. Rawat (NTU)	[Continued]	Applied Plasma Physics & APCC-15
11. Matthew J. Hole (ANU)	[Continued]	OSEANIA & ASEAN
12. Haruo Nagai (AAPPS-DPP)	[Continued]	Executive Director
13. Abhijit Sen (IPR)	[Continued]	Chair-elect
14. Wonho Choe (KAIST)	[Continued]	Applied Plasma Physics & APCC-15
15. R. Ganesh (IPR)	[Continued]	Basic plasma physics

Name	Continued / New	Role
1. Yoshihiko Uesugi	[Continued]	Auditor

#### Background information:

- CEO is Chief Operating Officer and single “representing director” of AAPPS-DPP set in revised Articles of Incorporation based on proposal by B. Wan, Liu Chen and A. Sen. CEO is responsible for DPP operation and regally representing AAPPS-DPP Assoc. Inc.
- B. Wan is selected as Chair-Elect in 2017 with agreement among founding members and expected to succeed role of DPP chair. But, it is not possible to take authority including the budget like “representing director” of Assoc. Inc. located in other country.
- In order to handle money and share financial responsibility among BoD members, AAPPS-DPP moved from voluntary organization to legally registered Assoc. Inc. as of Nov. 29, 2018.
- General Incorporated Association law defines term of BoD as two years and we have to renew membership.
- Following table gives evolution of ExCo (voluntary organization) to BoD and Auditor (Legal entity) after start of AAPPS-DPP2014.

	2014-2017(ExCo)	2017-2018(ExCo)	2018-2020(BoD)	2020-2022(BoD)
CEO (Representative Director)			Mitsuru Kikuchi(AAPPS-DPP)	Mitsuru Kikuchi(AAPPS-DPP)
Chair	Mitsuru Kikuchi (JAEA)	Mitsuru Kikuchi (QST)	Mitsuru Kikuchi(AAPPS-DPP)	Baonian Wan(ASIPP)
Chair-elect		Baonian Wan(ASIPP)	Baonian Wan(ASIPP)	Abhijit Sen(IPR)
Vice-chair (Fundamental)	Liu Chen(Zhejiang U)	Zensho Yoshida(U Tokyo)	Zensho Yoshida(U Tokyo)	Zensho Yoshida(Univ. Tokyo->NIFS)
Vice-chair (Basic)	Abhijit Sen(IPR)	Shih-Hung Chen(NCU)	Shih-Hung Chen(NCU)	R. Ganesh(IPR)
Vice-chair (applied)	M. Shiratani(Kyushu U)	Jung-Sik Yoon(NFRI)	Jung-Sik Yoon(NFRI)	Wonho Choe & R. S. Rawat (KAIST& NTU)
Vice-chair (Laser)	Zheng-Ming Sheng(SJTU)	Amita Das(IPR)	M. Krishnamurthy(TIFR)	M. Krishnamurthy(TIFR)
Vice-chair (Space&Geomag)	Lin-Ni Hau(NCU)	Xiao-Hua Deng(Nanchang U)	Xiao-Hua Deng(Nanchang U)	Xiao-Hua Deng(Nanchang U)
Vice-chair (Solar&Astro)	Dongsu Ryu(UNIST)	Ryoji Matsumoto(Chiba U)	Ryoji Matsumoto(Chiba U)	Ryoji Matsumoto(Chiba U)
Vice-chair (Magnetic Fusion)		Xuru Duan (SWIP)	Min Xu(SWIP)	Min Xu, Ge Zhuang(SWIP, USTC)
Vice-chair(Next DPP conf.)		Y. Uesugi(Kanazawa U)	Ge Zhuang(USTC)	Masaharu Shiratani(Kyushu U)
Vice-chair(APCC)	Matthew J. Hole(ANU)	Rajdeep S. Rawat(NTU)	Rajdeep S. Rawat(NTU)	Wonho Choe.RS. Rawat(KAIST,NTU)
Vice-chair(ASEAN, Oceania)		Matthew J. Hole(ANU)	Matthew J. Hole(ANU)	M. Hole(ANU)
Vice-chair (Budget)		M. Shiratani(Kyushu U)	M. Shiratani(Kyushu U)	Masaharu Shiratani(Kyushu U)
Executive Director			Haruo Nagai(AAPPS-DPP)	Haruo Nagai (AAPPS-DPP)
Chief Secretary	Tawatchai Onjun (Thammasat Univ.)	-	-	-

	2014-2017(ExCo)	2017-2018(ExCo)	2018-2020(BoD)	2020-2022(BoD)
Auditor			Yoshihiko Uesugi (Kanazawa Univ.)	Yoshihiko Uesugi (Kanazawa Univ.)

#### Non-ExCo, Non-BoD members

DPP secretary (HP)	Haruo Nagai	Haruo Nagai	Haruo Nagai(AAPPS-DPP)	Haruo Nagai(AAPPS-DPP)
DPP secretary	Kenji Imadera(Kyoto Univ.)	Yong Liu(ASIPP)	Yong Liu(ASIPP)	Rui Ding(ASIPP)





**Fourth Regular General Assembly (Business year FY2022) Sep 26, 14:30-15:30 (ZoomP)**

**2.1 FY2021 Business Report**

AAPPS-DPP CEO M. Kikuchi

**0. Introduction**

DPP activities in fiscal year 2021 (Sept. 1, 2020 – Aug 31, 2021) is quite influenced by the COVID-19 pandemic. Major activities are 1) Execution of AAPPS-DPP2020 online remote e-conference, 2) Preparation of AAPPS-DPP2021 online remote e-conference, 3) Continued publication of RMPP articles, 4) Selection of DPP prizes and awards, 5) Information dissemination to DPP members via DPP Web and mailing service, 6) Other activities as appropriate.

**1. Membership**

DPP secretary Dr. Rui Ding reported country/regional distributions as of 2021.08.30 as follows.

Country/Region	'19.6.4	'21.8.30	Country/Region	'19.6.4	'21.8.30	Country/Region	'19.6.4	'21.8.30
1. India	782	1189	13. Malaysia	12	13	25. Lao PDR	2	2
2. Beijing	371	431	14. UK	9	12	26. Austria	-	2
3. Japan	278	282	15. Italy	9	10	27. Canada	1	1
4. Korea	106	121	16. Philippines	8	9	28. Czech	1	1
5. US	51	74	17. Indonesia	8	5	29. Egypt	1	1
6. Australia	45	49	18. Iran	5	5	30. Ireland	1	1
7. Taipei	30	35	19. Vietnam	4	4	31. Israel	1	1
8. Nepal	26	30	20. Singapore	4	5	32. Myanmar	1	1
9. France	17	22	21. Russia	2	5	33. Norway	-	-
10. Thailand	18	18	22. Bangladesh	3	3	34. Spain	-	1
11. Pakistan	13	12	23. Belgium	2	9	35. Switzerland	1	2
12. Germany	10	13	24. Netherland	3	3	Total	1,825	2,375

**2. DPP Homepage**

DPP executive director Dr. H. Nagai continuously developing DPP homepages including annual conference pages.

The image shows three screenshots of the AAPPS-DPP website. The left screenshot is the 'Registration Site for AAPPS-DPP2021' with a yellow background, announcing the 5th Asia Pacific Conference on Plasma Physics on September 28, 2021. The middle screenshot is the 'AAPPS-DPP2020 as e-conference' program page, featuring a green header and a table of sessions including an opening session and several plenary sessions with speakers and topics. The right screenshot shows a list of abstracts for the conference, with columns for session number, date, time, chair, and abstract title.

DPP Homepage

AAPPS-DPP2020 conference Web. pages



### 3. Mailing services

We use commercial mailing service system “Step Server” with annual fee of 14,160 JPY. DPP news such as conference information, job opportunities, Journal status, Announcements of DPP prizes are sent by CEO.

### 4. AAPPS-DPP2020

Division of plasma physics (DPP) annually holding Asia-Pacific conference on Plasma Physics. The fourth annual conference (AAPPS-DPP2020) was held as remote online e-conference using Zoom system from October 26-31, 2020. Figure 1 shows Opening session speakers of AAPPS-DPP2020.



Figure 1 Opening session speakers of AAPPS-DPP2020

S-DPP2020

Table 1 shows distribution of 547 presentations among plenary, topical plenary, invited, oral, and poster for various sub-disciplines. AAPPS-DPP2020 consists of 40 plenary talks, 36 topical plenary talks, 328 invited talks, 96 oral talks, and 47 poster presentations. Cross-disciplinary session focused on magnetic reconnection led by Yasushi Ono having 34 talks. Fundamental session is fundamental discipline common to all plasma physics area and had joint session with magnetic fusion plasma led by Patrick Diamond and Taik Soo Hahn having 64 presentations. Basic session discussed methods (computation and diagnostics) common to all plasma physics as well as small scale plasma research and dusty/quantum plasmas led by R. Ganesh having 64 presentations. Applied session discussed applied plasma physics such as semi-conductor, medicine, agriculture, etc led by Wonho Choe having 50 presentations. Laser plasma session discussed Laser-plasma interaction, Laser fusion, wake-field acceleration led by Yutong Li having 81 presentations. Space / Geomagnetism session discussed mostly space plasma physics and magnetic reconnection on space plasma led by Tohru Hada having 45 presentations. Solar/Astro session discussed solar plasma physics and astro plasma physics led by Peng Fei Chen having 55 presentations. Magnetic Fusion session is the largest session having two parallel sessions (divided into core and edge) led by Min Xu, SiWoo Yoon, Kazunobu Nagasaki, Liang Wang having 148 presentations. Among them, 2020 S. Chandrasekhar lecture is given by Hyeon Park on ECE imaging diagnostics and 2020 plasma innovation lecture is given by Massaru Hori on plasma etching and medicine. We also celebrated 6 U40 winners and 7 U30 winners to give oral talks.

Table 1 Distribution of presentations

	Plenary	Top. Pl	Invited	Oral	Poster	Total
Host	1	-	-	-	-	1
AAPPS(CondM)	1	-	-	-	-	1
Chandra/PIP/Daw	3	-	-	-	-	3
CrossDisciplinary	4	-	23	7	0	34
Fundamental	4	-	47	11	2	64
Basic	4	5	33	12	10	64
Applied	4	4	33	3	6	50
Laser plasma	5	9	48	14	5	81
Space/Geomag	4	4	29	3	5	45
Solar/Astro	4	5	26	19	1	55
Magnetic Fusion	5	9	89	27	18	148
Poster P. select	1	-	-	-	-	1
Total	40	36	328	96	47	547

Table 2 shows distribution of region/countries and gender balance. This conference was 1st e-conference held by AAPPS-DPP due to COVID-19 pandemic. Nonetheless, conference was great success to have 930 participants all over the world. We have regional distribution of Beijing (239), Japan (175), Korea (129), USA (98), India (86), France (41), Germany (36), Australia (31), Italy (16), Taipei (12), England (11), Belgium (11), Swiss (8), Russia (7), etc.

While participation from APS (98) and EPS (149) are significant, we need more efforts to attract participants from ASEAN region.

As for the gender balance, we had 131 female participants among 930 total. Many female researchers joined from China and India, especially. There are number of congratulatory messages from participants on this great success of remote online conference.

Table 2 Regional distribution of participants

Region	No	Female	Speaker	Region	No	Female	Speaker
Beijing	239	49	154	Malaysia	4	2	0
Japan	175	10	98	Sweden	4	0	2
Korea	129	7	51	Netherland	3	1	2
USA	98	9	65	Kazakhstan	2	0	1
India	86	20	63	Spain	2	0	1
France*	41	9	26	Czech	2	0	1
Germany	36	5	24	Philippines	1	0	1
Australia	31	7	14	Singapore	1	0	1
Italy	16	4	9	Thailand	1	0	0
Taipei	12	1	6	Nepal	1	0	0
England	11	1	6	Pakistan	1	0	1
Belgium	11	2	6	Israel	1	0	1
Swiss	8	0	4	Norway	1	0	1
Russia	7	2	4	Ireland	1	0	1
Austria	5	2	4	Total	930	131	547

\* France include ITER organization

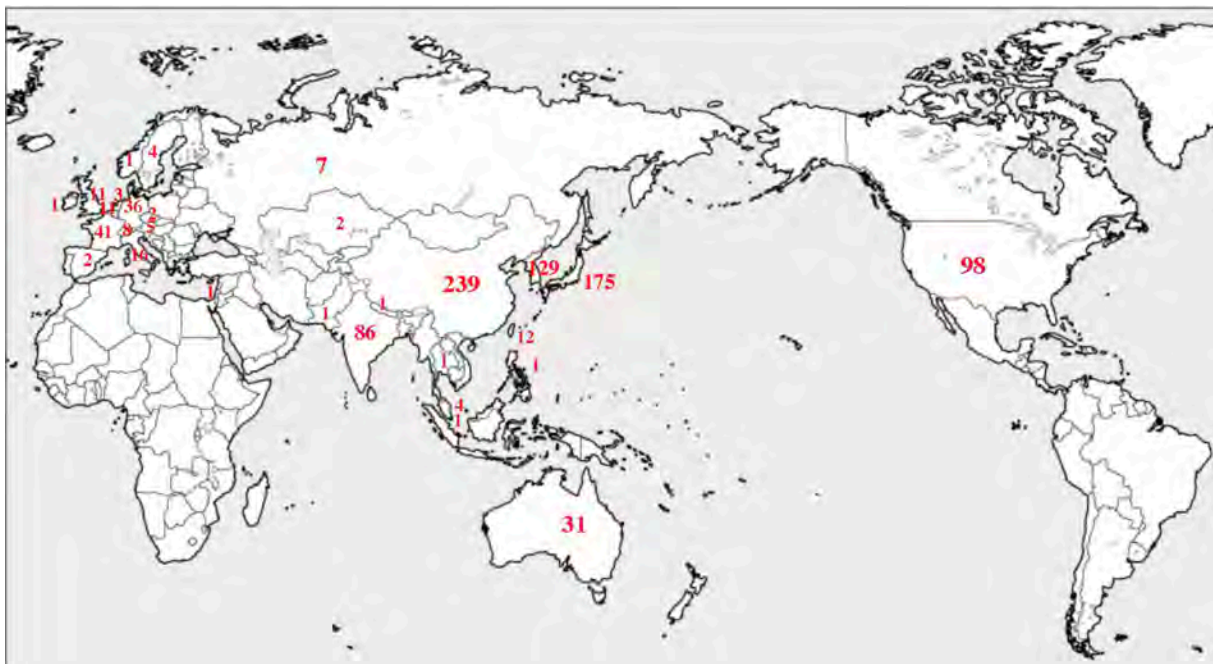


Figure 2 Distribution of participants of AAPPS-DPP 2020

**2020 S. Chandrasekhar Prize:** DPP select S. Chandrasekhar Prize annually to recognize outstanding contributions to plasma physics since 2014. Chandrasekhar prize selection committee chaired by TH Watanabe selected 2020 laureate is Prof. Hyeon K. Park (UNIST). Especially on this development of ECE imaging diagnostics to uncover rich phenomena in Tokamaks. This year's sponsor is Dawonsys Co. Ltd. Medal is sponsored by IPR/PSSI.



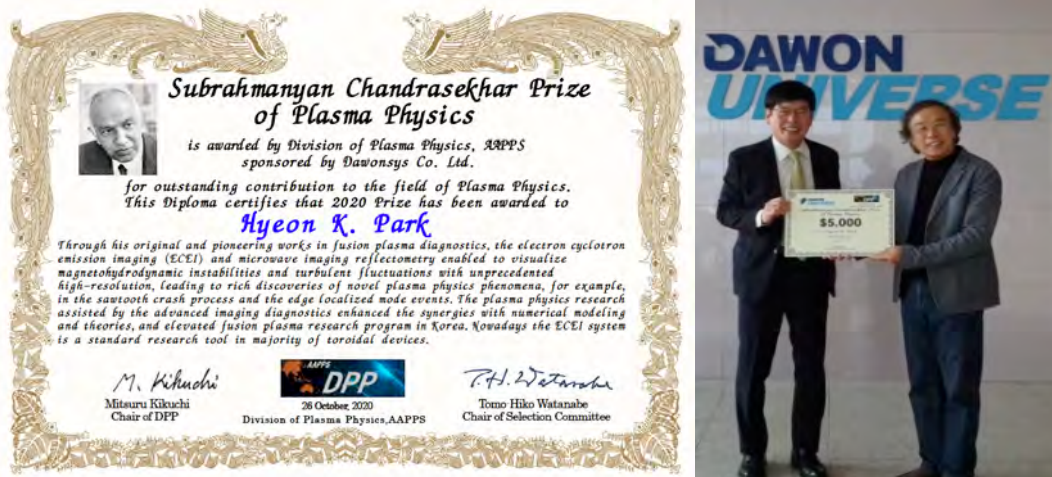


Figure 3 2020 Chandrasekhar prize certificate and cash prize ceremony from Dawonsys president

**2020 Plasma Innovation Prize:** Year 2020 is 2<sup>nd</sup> year of “AAPPS-DPP Plasma Innovation Prize” to recognize outstanding contributions to experimental and / or theoretical research in all fields of plasma applications, focusing on impacts on industry. Plasma Innovation Prize selection committee chaired by R. Rawat selected 2020 laureate is Prof. Masaru Hori (Nagoya Univ.) especially for his inventions such as plasma activated medium in plasma medicine.



Fig.4 2020 Plasma Innovation prize certificate, laureate online photo and Medal

**2020 Young Researcher (U40) Award:** DPP is recognizing annually young talented plasma researchers not more than 40 years old since 2016 as AAPPS-DPP Young Research Award (U40). U40 selection committee chaired by D. Escande selected 6 young talents; Jiansen He (Space, Peking U.), Su-Ming Weng (Laser, Shanghai Jiao Tong U.), Atsushi Ito (Basic, National Institute for Fusion science), Minjun Choi (Fundamental, Korean Institute of Fusion Energy), Liang Wang (Magnetic Fusion, Institute of Plasma Physics, CAS), Yutaka Ohira (Solar/Astro, U. Tokyo) as U40 winners at DPP2020. Winners received cash prize 500USD, plates and certificate.



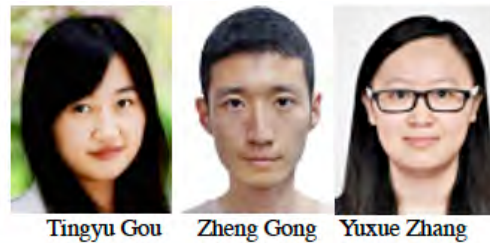
Figure 5 2020 AAPPS-DPP Young Research Awardees

Dr. Minjun Choi is 1<sup>st</sup> winner from Korea. Their citations can be seen at <http://aappsdp.org/AAPPSDPPF/youngawardtable.html>. Photos of winners, a certificate and plate to Jiansen He are shown in Fig.5 and Fig.6.



Figure 6 2020 U40 Certificate and plate (Jiansen He) and a U30 certificate (Tingyu Gou)

**2020 U30 award:** DPP is recognizing young talented doctoral scientists/ students not more than 30 years old since 2018 as AAPPS-DPP U30 Doctoral Scientist / Student Award. This award is sponsored by IFE-Forum. 2020 U30 award selection committee chaired by K. Mima selected 2020 Winners are Tingyu Gou (SA, USTC), Zheng Gong (Laser, Peking U.), Yuxue Zhang (Laser, Peking U.), Xing-Long Zhu (Laser, SJTU), Po-Cheng Liu (Basic, NCU), Prasun Dhang (SA, Tsinghua U.), Guoliang Xiao (Magnetic Fusion, SWIP) (Figure 7). Winners received cash prize 300USD, plate, and certificate. Their citation can be seen at <http://aappsdp.org/AAPPSDPPF/U30awardtable.html>



Xing-Long Zhu Po-Cheng Lin Prasun Dhang Guoliang Xiao

**2020 Poster Prize:** DPP is recognizing significant poster presentation at the annual conference as AAPPS-DPP Poster Prize since 2018 for both students and young/senior researchers. Among 45 poster presentations, 11 posters (N. Imagawa, G. Yu, P. Adulsiriswad, C.W. Domier, M.S. Hussain, J.X. Ji, W. Tan, H. Miura, S. Barman, S.S. Mishra, D. Behmani) were selected by the selection committee chaired by Abhijit Sen. Poster selection and their abstracts are published in AAPPS Bulletin December issue. Winners received certificate and a gift (Springer book on plasma physics) <http://aappsdp.org/AAPPSDPPF/posteraward.html>.

The poster session has been done for full week and large number of participants visited poster Web site during the conference, especially poster prize selection committee members (A. Sen (Chair), ZM Sheng, SSH Chen, S. Sengupta, H. Shiraga, V. Tikhonchuk, T. Murphy, R. Hatakeyam, C. Chang, H. Akatsuka, K. Takahashi, A. Misra, D. Verma, M. Hoshino, G. Lakhina, S. Liu, R. Matsumoto, C. Chrabtree, P. Mantica, H. Jhang, G. Zhuang, T. Hoang, J. Dong, M. Hole, K. Ida). Number of posters are smaller while we encouraging more discussion in poster session.





## 5. Preparation of AAPPS-DPP2021

The fifth annual conference (AAPPS-DPP2021) will be held during Sep 26-Oct 1, 2021 as online e-conference same as AAPPS-DPP2020 due to COVID-19.

**5.1 Speakers and Presenters:** Call for nomination of plenary and invited speakers at [https://www.gakkai-web.net/aappsdp\\_nm/](https://www.gakkai-web.net/aappsdp_nm/) (Feb 7-May 31) showed 516 nominations of which 483 are accepted as invited including plenary and topical plenary speakers. Speakers from South American region are especially new.

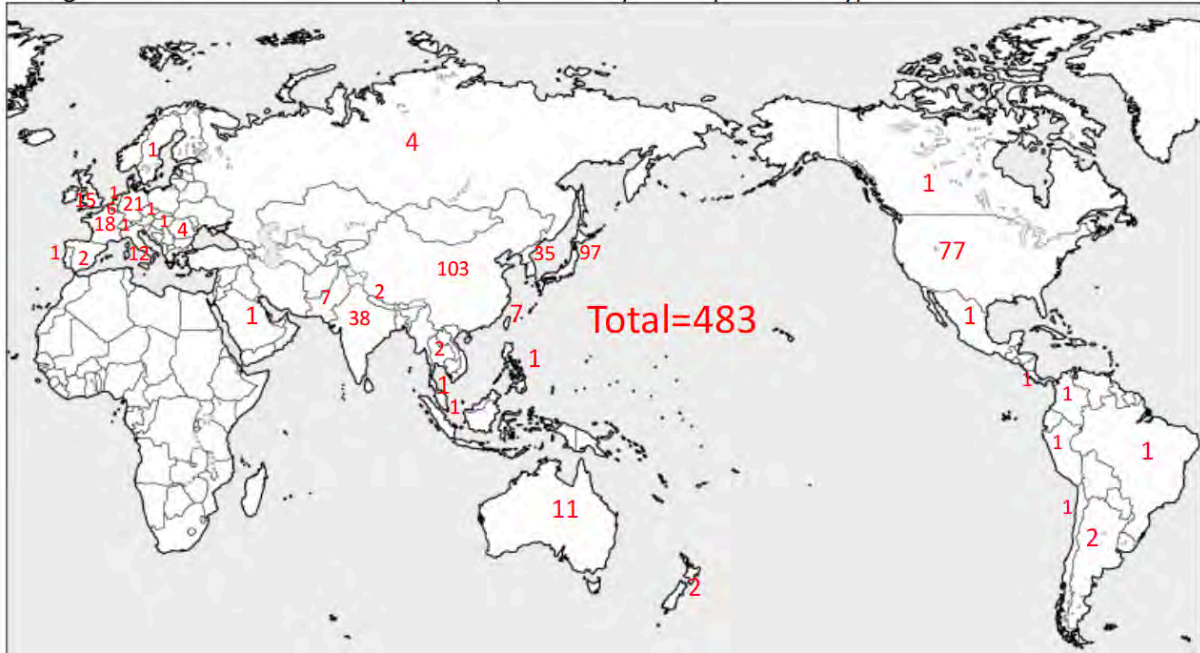


Figure 8 World distribution of invited (inc. plenary and topical plenary) speakers

Call for contributed abstract submission (May 1-July 21) provided additional 124 orals and 73 poster presentations. Total number of presentations are 683 as of end of August.

**5.2 Award selection:** Nomination of 2021 S. Chandrasekhar Prize, Plasma Innovation Prize, U40 and U30 award and establishment of selection committees has been done. Press releases are made.

Press Release  
Aug 19, 2021  
Association of Asia-Pacific Physical Societies (AAPPS)  
Division of Plasma Physics (AAPPS-DPP)

**Subramanyan Chandrasekhar Prize of Plasma Physics**  
— Professor Taik Soo Hahn is selected as 8th (2021) Laureate —

The Division of Plasma Physics (CEO: Mitsuru Kikuchi, Chair: Baomin Wan) under the Association of Asia-Pacific Physical Societies (President: Jun-ichi Yokoyama) has selected Professor Taik Soo Hahn of the SNU (Seoul National University) as the 8<sup>th</sup> (2021) Laureate of S. Chandrasekhar Prize of Plasma Physics, which is awarded to scientist who have made seminal / pioneering contributions in the field of plasma physics.

**Citation:**  
Taik Soo Hahn: For his outstanding contributions to the understanding of turbulence and confinement physics in tokamak plasmas, i.e., notably, flow shearing effects and non-local transport processes, as well as to the pioneering development of modern nonlinear gyrokinetic theories.

Contact points:  
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AAPPS-DPP Executive Officer, Haruo Nagai TEL: +81-80-1096-4575  
AAPPS-DPP Homepage Address: <http://aappsdp.org/AAPPS-DPP/index.html>

Certificates of 2021 S. Chandrasekhar Prize of Plasma Physics  
Certificate and medal will be virtually given at the 5th Asia-Pacific Conference on Plasma Physics (AAPPS-DPP2021 online e-conference) Sept. 26-Oct 1, 2021.

Press Release  
Aug 24, 2021  
Association of Asia-Pacific Physical Societies (AAPPS)  
Division of Plasma Physics (AAPPS-DPP)

**AAPPS-DPP Plasma Innovation Prize**  
— Dr Anthony (Tony) Murphy is selected as Third Laureate —

The Division of Plasma Physics (CEO: Mitsuru Kikuchi, Chair: Baomin Wan) under the Association of Asia-Pacific Physical Societies (President: Jun-ichi Yokoyama) selected Dr Anthony (Tony) Murphy of CSIRO (Commonwealth Scientific and Industrial Research Organisation) in Australia as the third Laureate of AAPPS-DPP Plasma Innovation Prize, which is awarded to scientists who have made seminal / pioneering contributions in the field of plasma applications, focusing on impacts on industry.

**Citation:**  
Anthony (Tony) Bruce Murphy: For his outstanding contributions to research and development in computational modeling of thermal plasmas, in particular, for critical contributions to the world's first commercial plasma waste treatment process - PLASCON, for development of arc-welding robot - arcWeld - that has been transferred to automotive and rail manufacturers, and for calculation of thermophysical properties, including a new treatment of diffusion, of thermal plasmas that have been adopted internationally in computational models of industrial plasma processes.

Certificates, medals and cash prize will be given at the 5<sup>th</sup> Asia-Pacific Conference on Plasma Physics in Sept 27, 2021

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AAPPS-DPP Executive Officer, Haruo Nagai TEL: 090-1096-4575  
AAPPS-DPP Homepage Address: <http://aappsdp.org/AAPPS-DPP/index.html>

Press Release  
Aug 24, 2021  
Association of Asia-Pacific Physical Societies (AAPPS)  
Division of Plasma Physics (AAPPS-DPP)

**AAPPS-DPP Young Researcher (U40) Award and U30 Doctoral Scientist / Student Award**

The Division of Plasma Physics (CEO: Mitsuru Kikuchi, Chair: Baomin Wan) under the Association of Asia-Pacific Physical Societies (President: Jun-ichi Yokoyama) selected 7 scientists under 40 for AAPPS-DPP Young Researcher (U40) Award and 6 scientists under 30 for U30 Doctoral Scientist / Student Award.

Sub-discipline in plasma physics, names, affiliations, home country/region are as follows:

**AAPPS-DPP Young Researcher (U40) Award winners:**

1. Fundamental plasma physics: Dr. Hiroshi Taniike, The University of Tokyo, Japan
2. Basic plasma physics: Dr. Manjiv Vora, Princeton Plasma Physics Laboratory, Korea
3. Applied plasma physics: Dr. Sangho Park, Korean Institute of Plasma Energy, Korea
4. Laser plasma physics: Dr. Teng-Pei Yu, National University of Defense Technology, China
5. Space plasma physics: Dr. Meng Zhou, Nanjing University, China
6. Solar and Astrophysics: Dr. Zhe Cheng, Tsinghua University, China
7. Magnetic Fusion plasma physics: Dr. Suyi Ding, Institute of Plasma Physics, China

**AAPPS-DPP U30 Doctoral Scientist / Student Award winners:**

1. Fundamental plasma physics: Dr. Kokihiro Yamaguchi, Fukuoka University, India
2. Laser plasma physics: Dr. Kenta Katojima, Osaka University, Japan
3. Space plasma physics: Dr. Hongshu Wu, Peking University, China
4. Solar/Space plasma physics: Dr. Masahito Shioh, National Astronomical Observatory of Japan, Japan
5. Magnetic Fusion plasma physics: Dr. Guang Dong, Southwest Institute of Physics, China
6. Magnetron Fusion plasma physics: Dr. Song Ock Kim, Seoul National University, Korea

Certificates, plads and cash prize will be given at the 5<sup>th</sup> Asia-Pacific Conference on Plasma Physics in Sept 27, 2021

Contact points:  
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AAPPS-DPP Executive Officer, Haruo Nagai TEL: 090-1096-4575  
AAPPS-DPP Homepage Address: <http://aappsdp.org/AAPPS-DPP/index.html>



## 6. Reviews of Modern Plasma Physics

RMPP is review journal specialized to plasma physics. The first volume (2017) published 10 articles. The second volume (2018) published 9 articles and third volume (2019) published 15 articles, 4<sup>th</sup> volume (2020) published 12 articles. Springer Tokyo advised that RMPP must increase number of published papers in each volume by at least factor of two to proceed to get impact factor. Stronger invitations from DPP annual conferences are in progress.

Authors	Title	Article number	DOI	Sharable link
G. K. Park, et al	Shocks in collisionless plasmas	Rev. Mod. Plasma Phys. (2017) 1:1	DOI 10.1007/s41614-017-0003-4	<a href="https://rdcu.be/bGrqr">https://rdcu.be/bGrqr</a>
P. Kaw	Nonlinear laser-plasma interactions [ Chandrasekhar Lecture ]	Rev. Mod. Plasma Phys. (2017) 1:2	DOI 10.1007/s41614-017-0005-2	<a href="https://rdcu.be/bGrq0">https://rdcu.be/bGrq0</a>
H. Tanaka, et al.	State of the art in medical applications using non-thermal atmospheric pressure plasma	Rev. Mod. Plasma Phys. (2017) 1:3	DOI 10.1007/s41614-017-0004-3	<a href="https://rdcu.be/bGrRb">https://rdcu.be/bGrRb</a>
P. H. Yoon	Kinetic instabilities in the solar wind driven by temperature anisotropies	Rev. Mod. Plasma Phys. (2017) 1:4	DOI 10.1007/s41614-017-0006-1	<a href="https://rdcu.be/bGrRE">https://rdcu.be/bGrRE</a>
D. B. Melrose	Coherent emission mechanisms in astrophysical plasmas [Chandrasekhar Lecture ]	Rev. Mod. Plasma Phys. (2017) 1:5	DOI 10.1007/s41614-017-0007-0	<a href="https://rdcu.be/bGrYf">https://rdcu.be/bGrYf</a>
S. Ichimaru	Phase transitions, interparticle correlations, and elementary processes in dense plasmas [Chandrasekhar Lecture]	Rev. Mod. Plasma Phys. (2017) 1:6	DOI 10.1007/s41614-017-0008-z	<a href="https://rdcu.be/bGrYf">https://rdcu.be/bGrYf</a>
R. Hatakeyama	Nanocarbon materials fabricated using plasmas	Rev. Mod. Plasma Phys. (2017) 1:7	DOI 10.1007/s41614-017-0009-y	<a href="https://rdcu.be/bGrYf">https://rdcu.be/bGrYf</a>
A. Sen	Obituary: Preshman Krishan Kaw	Rev. Mod. Plasma Phys. (2017) 1:8	DOI 10.1007/s41614-017-0012-3	<a href="https://rdcu.be/bGrYG">https://rdcu.be/bGrYG</a>
H. Sugama	Modern gyrokinetic formulation of collisional and turbulent transport in toroidally rotating plasmas	Rev. Mod. Plasma Phys. (2017) 1:9	DOI 10.1007/s41614-017-0010-5	<a href="https://rdcu.be/bGrYU">https://rdcu.be/bGrYU</a>
Q. Zong et al.	The interaction of ultra-low-frequency pc3-5 waves with charged particles in Earth's magnetosphere	Rev. Mod. Plasma Phys. (2017) 1:10	DOI 10.1007/s41614-017-0011-4	<a href="https://rdcu.be/bGrYv">https://rdcu.be/bGrYv</a>
<b>Reviews of Modern Plasma Physics Volume 2 <a href="https://link.springer.com/journal/41614/2/1">https://link.springer.com/journal/41614/2/1</a></b>				
A. Hillier	The magnetic Rayleigh-Taylor instability in solar prominences	Rev. Mod. Plasma Phys. (2018) 2:1	DOI 10.1007/s41614-017-0013-2	<a href="https://rdcu.be/bYlZi">https://rdcu.be/bYlZi</a>
A.E. Dubinov, et al	Above the weak nonlinearity: super-nonlinear waves in astrophysical and laboratory plasmas	Rev. Mod. Plasma Phys. (2018) 2:2	DOI 10.1007/s41614-018-0014-9	<a href="https://rdcu.be/bYlZd">https://rdcu.be/bYlZd</a>
J. Li, et al	Summary of magnetic fusion plasma physics in 1st AAPS-DPP meeting	Rev. Mod. Plasma Phys. (2018) 2:3	DOI 10.1007/s41614-018-0015-8	<a href="https://rdcu.be/bYlZQ">https://rdcu.be/bYlZQ</a>
O. Baranov, et al	Towards universal plasma-enabled platform for the advanced nanofabrication: plasma physics level approach	Rev. Mod. Plasma Phys. (2018) 2:4	DOI 10.1007/s41614-018-0016-7	<a href="https://rdcu.be/bYlYe">https://rdcu.be/bYlYe</a>
F.F. Chen, et al.	Recent progress in Asia-Pacific solar physics and astrophysics	Rev. Mod. Plasma Phys. (2018) 2:5	DOI 10.1007/s41614-018-0017-6	<a href="https://rdcu.be/bYlYi">https://rdcu.be/bYlYi</a>
A. Sen	Summary of basic plasma physics sessions at the first Asia Pacific Plasma Conference, 2017	Rev. Mod. Plasma Phys. (2018) 2:6	DOI 10.1007/s41614-018-0018-5	<a href="https://rdcu.be/bYlYk">https://rdcu.be/bYlYk</a>
D. Moseev, et al.	Recent progress in fast-ion diagnostics for magnetically confined plasmas	Rev. Mod. Plasma Phys. (2018) 2:7	DOI 10.1007/s41614-018-0019-4	<a href="https://rdcu.be/bYlYv">https://rdcu.be/bYlYv</a>
Z.M. Sheng	Summary of laser plasma physics sessions at the first AAPS-DPP conference	Rev. Mod. Plasma Phys. (2018) 2:8	DOI 10.1007/s41614-018-0020-y	<a href="https://rdcu.be/bYlYX">https://rdcu.be/bYlYX</a>
D.F. Escande et al	Basic microscopic plasma physics from N-body mechanics - A tribute to Pierre-Simon de Laplace	Rev. Mod. Plasma Phys. (2018) 2:9	DOI 10.1007/s41614-018-0021-x	<a href="https://rdcu.be/bYlYX">https://rdcu.be/bYlYX</a>
<b>Reviews of Modern Plasma Physics Volume 3 <a href="https://link.springer.com/journal/41614/3/1">https://link.springer.com/journal/41614/3/1</a></b>				
Y. Todo	Introduction to the interaction between energetic particles and Alfvén eigenmodes in toroidal plasmas	Rev. Mod. Plasma Phys. (2019) 3:1	DOI 10.1007/s41614-018-0022-9	<a href="https://rdcu.be/bYlYq">https://rdcu.be/bYlYq</a>
S. Fujita	Response of the magnetosphere-ionosphere system to sudden changes in solar wind dynamic pressure	Rev. Mod. Plasma Phys. (2019) 3:2	DOI 10.1007/s41614-019-0023-1	<a href="https://rdcu.be/bYlYk">https://rdcu.be/bYlYk</a>
K. Takahashi	Helicon-type radiofrequency plasma thrusters and magnetic plasma nozzles	Rev. Mod. Plasma Phys. (2019) 3:3	DOI 10.1007/s41614-019-0024-2	<a href="https://rdcu.be/bYlYk">https://rdcu.be/bYlYk</a>
M. Xu et al	Summary of the fundamental plasma physics session in the first AAPS-DPP conference	Rev. Mod. Plasma Phys. (2019) 3:4	DOI 10.1007/s41614-019-0028-y	<a href="https://rdcu.be/bYlYk">https://rdcu.be/bYlYk</a>
Z. Zhang et al	A review of the characterization and optimization of ablative pulsed plasma thrusters	Rev. Mod. Plasma Phys. (2019) 3:5	DOI 10.1007/s41614-019-0027-z	<a href="https://rdcu.be/bYlYk">https://rdcu.be/bYlYk</a>
D.R. Lev et al	Recent progress in research and development of hollow cathodes for electric propulsion	Rev. Mod. Plasma Phys. (2019) 3:6	DOI 10.1007/s41614-019-0026-0	<a href="https://rdcu.be/bYlYk">https://rdcu.be/bYlYk</a>
O. Baranov, et al	Direct current arc plasma thrusters for space applications: basic physics, design and perspectives	Rev. Mod. Plasma Phys. (2019) 3:7	DOI 10.1007/s41614-019-0023-3	<a href="https://rdcu.be/bYlYk">https://rdcu.be/bYlYk</a>
J. Weiland et al	A. Drift wave theory for transport in tokamaks	Rev. Mod. Plasma Phys. (2019) 3:8	DOI 10.1007/s41614-019-0029-x	<a href="https://rdcu.be/bYlYk">https://rdcu.be/bYlYk</a>
M.Y. Tanaka	Vortex in plasma	Rev. Mod. Plasma Phys. (2019) 3:9	DOI 10.1007/s41614-019-0031-3	<a href="https://rdcu.be/bYlYk">https://rdcu.be/bYlYk</a>
Y. Feng et al	Dynamics and transport of magnetized two-dimensional Yukawa liquids	Rev. Mod. Plasma Phys. (2019) 3:10	DOI 10.1007/s41614-019-0032-2	<a href="https://rdcu.be/bYlYk">https://rdcu.be/bYlYk</a>
D. Kahnfeld et al	Numerical modeling of high efficiency multistage plasma thrusters for space applications	Rev. Mod. Plasma Phys. (2019) 3:11	DOI 10.1007/s41614-019-0030-4	<a href="https://rdcu.be/bYlYk">https://rdcu.be/bYlYk</a>
F. Taccogna et al	Latest progress in Hall thrusters plasma modelling	Rev. Mod. Plasma Phys. (2019) 3:12	DOI 10.1007/s41614-019-0033-1	<a href="https://rdcu.be/bYlYk">https://rdcu.be/bYlYk</a>
G. Manfredi et al	Phase-space modeling of solid-state plasmas	Rev. Mod. Plasma Phys. (2019) 3:13	DOI 10.1007/s41614-019-0034-0	<a href="https://rdcu.be/bYlYk">https://rdcu.be/bYlYk</a>
R. Keppens et al	Ideal MHD instabilities for coronal mass ejections: interacting current channels and particle acceleration	Rev. Mod. Plasma Phys. (2019) 3:14	DOI 10.1007/s41614-019-0035-z	<a href="https://rdcu.be/bYlYk">https://rdcu.be/bYlYk</a>
Y. Ding et al	Extending service life of hall thrusters: recent progress and future challenges	Rev. Mod. Plasma Phys. (2019) 3:15	DOI 10.1007/s41614-019-0036-y	<a href="https://rdcu.be/bYlYk">https://rdcu.be/bYlYk</a>
<b>Reviews of Modern Plasma Physics Volume 4 <a href="https://link.springer.com/journal/41614/4/1">https://link.springer.com/journal/41614/4/1</a></b>				
J. Hong et al	Plasma-digital nexus: plasma nanotechnology for the digital manufacturing age	Rev. Mod. Plasma Phys. (2020) 4:1	DOI 10.1007/s41614-019-0039-8	<a href="https://rdcu.be/bYlYk">https://rdcu.be/bYlYk</a>
Y. Ebihara et al	Evolution of auroral substorms as viewed from MHD simulations: dynamics, energy transfer and energy conversion	Rev. Mod. Plasma Phys. (2020) 4:2	DOI 10.1007/s41614-019-0037-x	<a href="https://rdcu.be/bYlYk">https://rdcu.be/bYlYk</a>
H. Saleem et al	Theoretical models for unstable IAWs and nonlinear structures in the upper ionosphere	Rev. Mod. Plasma Phys. (2020) 4:3	DOI 10.1007/s41614-019-0038-9	<a href="https://rdcu.be/bYlYk">https://rdcu.be/bYlYk</a>
F. Sahraroui et al.	Magnetohydrodynamic and kinetic scale turbulence in the near-Earth space plasmas: a (short) biased review	Rev. Mod. Plasma Phys. (2020) 4:4	DOI 10.1007/s41614-020-0040-2	<a href="https://rdcu.be/bYlYk">https://rdcu.be/bYlYk</a>
T.G. Blackburn	Radiation reaction in electron-beam interactions with high-intensity lasers	Rev. Mod. Plasma Phys. (2020) 4:5	DOI 10.1007/s41614-020-0042-0	<a href="https://rdcu.be/bYlYk">https://rdcu.be/bYlYk</a>
A.E. Dubinov et al.	Research with plasma foci in countries of Asia, Africa, and Latin America	Rev. Mod. Plasma Phys. (2020) 4:6	DOI 10.1007/s41614-020-0041-1	<a href="https://rdcu.be/bYlYk">https://rdcu.be/bYlYk</a>
T. Tajima et al.	Wakefield acceleration [Chandrasekhar Lecture]	Rev. Mod. Plasma Phys. (2020) 4:7	DOI 10.1007/s41614-020-0043-z	<a href="https://rdcu.be/bYlYk">https://rdcu.be/bYlYk</a>
D.B. Melrose	Quantum kinetic theory for unmagnetized and magnetized plasmas	Rev. Mod. Plasma Phys. (2020) 4:8	DOI 10.1007/s41614-020-0044-8	<a href="https://rdcu.be/bYlYk">https://rdcu.be/bYlYk</a>
L.C. Lee	Fluid and kinetic aspects of magnetic reconnection and some related magnetospheric phenomena [Chandrasekhar Lecture]	Rev. Mod. Plasma Phys. (2020) 4:9	DOI 10.1007/s41614-020-0045-7	<a href="https://rdcu.be/bYlYk">https://rdcu.be/bYlYk</a>
A. Das	Laser plasma session: AAPS-DPP Conference, 12–17 Nov 2018, Kanazawa	Rev. Mod. Plasma Phys. (2020) 4:10	DOI 10.1007/s41614-020-0046-6	<a href="https://rdcu.be/bYlYk">https://rdcu.be/bYlYk</a>
W. Zhong	Recent progress on turbulence and multi-scale interactions in tokamak plasmas [Special Topics]	Rev. Mod. Plasma Phys. (2020) 4:11	DOI 10.1007/s41614-020-0047-5	<a href="https://rdcu.be/bYlYk">https://rdcu.be/bYlYk</a>
G. Ganguli	Behavior of compressed plasmas in magnetic fields	Rev. Mod. Plasma Phys. (2020) 4:12	DOI 10.1007/s41614-020-0048-4	<a href="https://rdcu.be/bYlYk">https://rdcu.be/bYlYk</a>
<b>Reviews of Modern Plasma Physics Volume 5 <a href="https://link.springer.com/journal/41614/5/1">https://link.springer.com/journal/41614/5/1</a></b>				
Lim Chen, et al.	Physics of kinetic Alfvén waves: a gyrokinetic theory approach [Chandrasekhar Lecture]	Rev. Mod. Plasma Phys. (2021) 5:1	DOI 10.1007/s41614-020-0049-3	<a href="https://rdcu.be/bYlYk">https://rdcu.be/bYlYk</a>
Siyao Xu, A. Lazzari	Small-scale turbulent dynamo in astrophysical environments: nonlinear dynamo and dynamo in a partially ionized plasma	Rev. Mod. Plasma Phys. (2021) 5:2	DOI 10.1007/s41614-021-00051-3	<a href="https://rdcu.be/bYlYk">https://rdcu.be/bYlYk</a>
M. Kogoma, K. Tanaka	Low-temperature atmospheric discharge plasma and its Applications for the surface treatment	Rev. Mod. Plasma Phys. (2021) 5:3	DOI 10.1007/s41614-021-00050-4	<a href="https://rdcu.be/bYlYk">https://rdcu.be/bYlYk</a>
Tsuhiko Eisele et al.,	High-resolution X-ray spectroscopy of astrophysical plasmas with X-ray microcalorimeters	Rev. Mod. Plasma Phys. (2021) 5:4	DOI 10.1007/s41614-021-00052-2	<a href="https://rdcu.be/bYlYk">https://rdcu.be/bYlYk</a>



## 7. Legal Activities (<http://aappsdp.org/DPPhoujin/index.html>)

### 7.1 3<sup>rd</sup> General Assembly

The third general assembly of AAPPS-DPP Assoc. Inc. (FY2021 General Assembly (GA)) was held on 31th October, 2020 at e-conference Zoom conference room ([http://aappsdp.org/DPPhoujin/GAdata/2021FY1stGARECORD1207\(1\).pdf](http://aappsdp.org/DPPhoujin/GAdata/2021FY1stGARECORD1207(1).pdf)). GA is highest decision body of AAPPS-DPP Assoc. Inc. as set by “Articles of Incorporation General incorporated Association, Division of Plasma Physics, Association of Asia-Pacific Physical Societies(<http://aappsdp.org/DPPhoujin/teikan.html>). Among regular members (541), 91 regular members (including electronic voting) participated and following 2 resolutions and 2 reports are approved.

**Resolution 1:** Adoption of balance sheets and profit and loss statements and their detailed documents

**Resolution 2:** Appointment of directors and auditor

**Report 1:** FY2020 Business Report

**Report 2:** FY2021 Business Plan and Budget Plan

Name 名前	Continued / New 留任・新任	Role (to be decided in BoD) 役割 (理事会決定事項)
1. Mitsuru Kikuchi(AAPPS-DPP)	[Continued]	CEO (Representative Director)
2. Baonian Wan (ASIPP)	[Continued]	Chair
3. Zensho Yoshida (Univ Tokyo)	[Continued]	Fundamental Plasma Physics
4. M. Krishnamurthy(TIFR)	[Continued]	Laser Plasma Physics
5. Xiao-Hua Deng (Nanchang U.)	[Continued]	Space & Geomag Plasma Physics
6. Ryoji Matsumoto (Chiba Univ.)	[Continued]	Solar & Astro Plasma Physics
7. Min Xu (SWIP)	[Continued]	Magnetic Fusion Plasma Physics
8. Ge Zhuang (USTC)	[Continued]	Magnetic Fusion Plasma Physics
9. Masaharu Shiratani (Kyushu Univ.)	[Continued]	Next DPP conf.& Budget
10. Rajdeep S. Rawat (NTU)	[Continued]	Applied Plasma Physics & APPC-15
11. Matthew J. Hole (ANU)	[Continued]	OSEANIA & ASEAN
12. Haruo Nagai (AAPPS-DPP)	[Continued]	Executive Director
13. Abhijit Sen (IPR)	[New]	Chair-elect
14. Wonho Choe (KAIST)	[New]	Applied Plasma Physics & APPC-15
15. R. Ganesh (IPR)	[New]	Basic plasma physics

Name	Continued / New	Role
1. Yoshihiko Uesugi	[Continued]	Auditor

Here two directors, Min Xu and M. Krishnamurthy, are found to be effective till 2022 GA by comments from Ministry of Justice (Mito branch) and subject to renewal at the 2022 GA.

### 7.2 Board of Directors (BoD) meeting

During FY2021(Sep 1, 2020-Aug 2021), six BoDs including current BoD were held. Details can be found at <http://aappsdp.org/DPPhoujin/recordBOD.html>.





## Fourth Regular General Assembly (Business year FY2022) Sep 26, 14:30-15:30 (ZoomP)

### 2.2 FY2022 Business Plan

AAPS-DPP CEO M. Kikuchi

#### 1. Introduction

DPP activities in fiscal year 2021 (Sept. 1, 2020 – Aug 31, 2021) will be quite influenced by the COVID-19 pandemic as well as latter half of fiscal year 2020. Major activities shall be 1) Execution of AAPS-DPP2020 remote e-conference, 2) Preparation of AAPS-DPP2021 in Fukuoka, Japan, 3) Continued publication of RMPP articles, 4) Selection of DPP prizes and awards, 5) Information dissemination to DPP members via DPP Web and mailing service, 6) Other activities as appropriate.

#### 2. Fifth Asia-Pacific Conference on Plasma Physics (AAPS-DPP2021 e-conference)

AAPS-DPP2021 (<http://aapsdpp.org/DPP2021/index.html>) will be held as remote on-line e-conference during Sep 26-Oct 1, 2021. Preparation of 5<sup>th</sup> annual conference was started in 2020 after AAPS-DPP2020 e-conference with Kyushu University as host. Due to COVID-19 pandemic, we decided again to have fifth annual conference as on-line e-conference. Host (Kyushu Univ.) provides Zoom team led by Prof. Koga. As of August 31, we have **610** oral/invited/topical plenary/plenary speakers and **73** poster presentations. While on-line conference is 2<sup>nd</sup> time for our annual conference, we have to have careful preparation since there is very little reserve Zoom sessions.

#### 3. Sixth Asia-Pacific Conference on Plasma Physics (AAPS-DPP2022)

For AAPS-DPP2022, India (Amita Das, IIT-Delhi) and Malaysia (Kuru Ratnavelu, MIP) wished to host before COVID-19. But both abandoned due to COVID-19. We need to decide how to do. If AAPS-DPP2022 is online Zoom conference again, we need Zoom team like team led by Prof. Koga.

#### 4. Reviews of Modern Plasma Physics (RMPP)

**ISI indexed journal:** Number of RMPP publication is still not large enough for Springer-Nature to re-submit proposal for ESCI evaluation. *RMPP is now facing critical point and need strong efforts.*

From AAPS-DPP2021, we invited large number of authors but currently, only **4** papers were published as of Aug 31. **11** papers are under review process.

Special issues:

1. Dusty plasma (Lin I, A. Sen): **2** under review. **4** under preparation.
2. Quantum plasma (AA Mamun): **1** under review. **8** under preparation.

Invited papers:

1. Chandra: 2 papers (FC, HP) to be submitted.
2. PIP : 2 papers (RB, MH) to be submitted.
3. Others : 12 papers by Sep 30, 15 papers by Dec 31,

**Arxiv.org:** Springer-Nature accepted posting draft manuscript to [arxiv.org](https://arxiv.org) as a preprint since papers are more cited if preprint can be seen in [arxiv.org](https://arxiv.org). We will encourage such submission.



## 5. Prize and Award

### 5.1 S. Chandrasekhar Prize of Plasma Physics

Call for 2022 S. Chandrasekhar prize is planned early 2022.

### 5.2 AAPS-DPP Plasma Innovation Prize

Call for 2022 AAPS-DPP Plasma Innovation Prize is planned early 2022.

### 5.3 AAPS-DPP Young Research Award

Since 2018, winners of U40 award are receiving cash prize 500USD, plates and certificate. All cost will be covered within annual conference budget. Call for U40 Award is planned early 2022.

### 5.4 AAPS-DPP U30 Doctoral Scientist / Student Award

AAPS-DPP U30 Doctoral Scientist / Student Award is sponsored by IFE-Forum. Winners will receive cash prize 300USD, plate, and certificate. All cost will be covered by IFE-Forum. Call for U30 Award is planned early 2022.

### 5.5 AAPS-DPP Poster Award

DPP is recognizing significant poster presentation at the annual conference as AAPS-DPP Poster Prize since 2018 for both students and young/senior researchers. Winner will receive certificate and a gift (Springer Book). 2021 selection will be made during AAPS-DPP2021 on-line e-conference.

### 5.6 APS-DPP & AAPS-DPP joint award

Board of Directors discussed possibility of APS-DPP & AAPS-DPP joint award. But this planning is delayed due to COVID-19 pandemic. DPP will restart discussion with APS-DPP.

## 6. Financial Support Program

**APCTP:** 2021 support from APCTP was reduced from 10,000,000 KRW to 6,660,000KRW. For online conference, it should be honorarium of talk and APCTP will send money directly to awardees.

**Waived Speaker:** For retired and students and others, we waived as requested.

## 7. AAPS-DPP Membership

AAPS has concluded reciprocating agreement with APS. However, there is little merit at present since each member is already member of national physical society that has reciprocating agreement with APS. APS did not “recognize” AAPS-DPP2021 and we can not apply reduced fee for APS colleagues. We need continued discussion.

## 8. AAPS-DPP Homepage

DPP Executive officer Dr. H. Nagai provided long-standing service from its initiation in 2014. From 2014 to 2018, he worked voluntarily without payment. Now DPP pays very small salary from April 2019 for his outstanding contribution. We need successor.

## 9. Committees

### 9.1 General Assembly

General assembly will be held on Sunday (Sept. 26) to approve extension of two directors Min Xu and M. Krishnamurthy and budget statements and 2022 work plan.

### 9.2 Board of Directors

After the general assembly on Sept. 26, we must have BoD to define/resume role of two directors. Other BoD will be held as necessary.

### 9.3 I-HAC (International Honorary Advisory Committee)

DPP continues I-HAC as advisory body for BoD. In new fiscal year, there should be some re-assignment of members.



Fourth Regular General Assembly (Business year FY2022) Sep 26, 14:30-15:30 (ZoomP)

2.3 FY2022 Budget Plan

AAPPS-DPP CEO M. Kikuchi

Item	2021 Result	Note for 2021	2022Plan	Note for 2022 Plan
<b>Income (JPY)</b>	<b>16,793,534</b>		<b>18,024,123</b>	
1. Carry over	6,736,696		9,134,123	
2. Ann. conf.	8,416,149	Reg. fee 2020	8,000,000	
3. RMPP	241,399		240,000	
4. APCTP sup.	0	No transfer to DPP	0	Assuming e-conference
5. Conf. Sponsor	1,049,200	NFRI	100,000 200,000	Yu-Kwai for 2021 U40 ShinkouSeiki, Kenix,SPP
6. U30(IFE)	350,000	IFE-forum for 2020 U30	350,000	IFE Forum
7. Interest	90		0	
<b>Income (USD)</b>	<b>USD 6,284</b>		<b>USD 1,302</b>	
1. Carry over	USD1,302		USD1,302	
2. APPC-14			-	-
3. Chandra sponsor	USD4,982	Dawonsys		
4. Sponsor	-	See 5. In JPY		
<b>Expenditure</b>	<b>7,659,411</b>		<b>8,916,120</b>	
	<b>USD 4,982</b>		<b>USD 0</b>	
1. Admin. Cost				
M. of Justice	20,600	2 times(Indian Air delay)	10,000	
State&City Tax	0		0	
Zoom team	553,166	Zoom operation(Koga)	860,000	
MAC/PC soft	0		100,000	
Printer Toner	34,067		50,000	
Printer Paper	0			
Phone use	71,144		120,000	
Biz Station	21,120		21,120	
Step server	14,160		14,160	
Handling charge	34,538	MUFG	40,000	
Traffic cost	0		100,000	
Other cost	19,351		100,000	
TOYO company	1,851,135		2,000,000	
<b>Sub-total</b>	<b>2,619,281</b>		<b>3,415,280</b>	
2. Staff cost				
Remuneration	3,203,260		3,200,000	
Gov. Tax	59,800		65,000	
Pension & Insurance	682,020		685,000	
<b>Sub-total</b>	<b>3,945,080</b>		<b>3,950,000</b>	
3. Publication cost				
32 papers (2018)	0		0	
4. Financial supp.	0	Honorarium paid by APCTP	0	
5. Prize&Award				
Chandra cash1	USD5,000	H. Park(US)	550,000	TS Hahm (KR) 5000USD
Chandra cash2	1,890-17.77USD	Supplement 17.77USD		
Innovation Cash	315,300	M. Hori(JP)	330,000	T. Murphy(AU) 3000USD
Innovation Medal	15,840	PIP Medal	15,840	
U40 cash(JP)	105,280	U40(Ohira, Ito)		
U40 cash	410,000	To Rakuten account (U40, U30 cash transfer)	385,000	U40 3500USD
U30 cash			231,000	U30 2100USD
U40 plates	55,440	U40 plates x 6	70,000	U40 plates x 7
U30 plates	61,600	U30 plates x 7	60,000	U30 plates x 6
Poster prize	100,000	To Rakuten acc. (books)	100,000	Books
Other cost	29,700	Shipping[Chan,PIP,U40,U30]	40,000	Shipping
6. Carry Over	<b>9,134,123</b>		<b>8,877,003</b>	
	<b>USD1,302</b>		<b>USD1,302</b>	

\*: Unit : JPY if not specified. [FY2021: (2020.9.1-2021.08.31), FY2022: (2021.9.1-2022.08.31)]