

Report on AAPPS-DPP 2025

2026.02.22 Mitsuru Kikuchi, AAPPS-DPP CEO

1. 9th DPP Annual Conference

Division of plasma physics (DPP) annually holds Asia-Pacific conference on Plasma Physics. The ninth annual conference (AAPPS-DPP2025) was held at Fukuoka International Congress Center, Fukuoka, Japan during Sep. 21-26, 2025. Figure 1 and figure 2 show the opening session speakers and DPP award winners, and group photo of AAPPS-DPP2025, respectively.



Figure 1 Opening session speakers and DPP award winners of AAPPS-DPP2025



Figure 2 Group photo of AAPPS-DPP2025

Table 1 Distribution of presentations (Female)

	Plenary	Top. Pl	Invited	Oral	Poster	Total
Opening	11(0)	-	-	-	-	11(0)
Chandra&PIP	2(0)	-	-	-	-	2(0)
Cross Discip.	3(1)	8(1)	31(4)	5(1)	7(0)	54(7)
Fundamental	3(1)	0	36(10)	24(4)	27(2)	90(17)
Basic-1	3(0)	0	34(3)	31(6)	50(6)	118(15)
Basic-2	3(1)	0	30(2)	3(3)	15(4)	51(10)
Applied-1	3(1)	0	58(9)	12(4)	32(5)	105(19)
Applied-2	3(2)	0	27(6)	19(2)	20(3)	71(13)
Laser-1	3(1)	0	34(4)	11(3)	15(6)	63(14)
Laser-2	3(0)	0	32(3)	7(0)	8(1)	50(4)
Space/Geo	3(1)	0	36(10)	13(4)	17(8)	69(23)
Solar/Astro	3(1)	0	34(4)	14(3)	14(2)	65(10)
Mag. Fus.1	3(1)	0	50(6)	23(4)	35(3)	111(14)
Mag. Fus. 2	3(0)	0	40(1)	12(0)	21(0)	76(1)
Poster Prize	2(1)	-	-	-	-	2(1)
Closing	1(0)	-	-	-	-	1(0)
Hasegawa M.			11(0)	-	-	11(0)
P-B			6(0)	-	-	6(0)
HEDP			5(1)	-	-	5(1)
WIPP			5(5)	-	-	5(5)
Total	52(11)	8(1)	469(68)	174(34)	261(40)	966(154)

Table 1 shows the distribution of 966 presentations among plenary, topical plenary, invited, oral, poster and satellite meetings for various sub-disciplines. AAPPS-DPP2025 consisted of 11 opening talks, 40 plenary talks, 8 topical plenary talks, 469 invited talks, 174 oral talks, and 261 poster presentations. The Cross-disciplinary session led by P. Diamond, X. Garbet, and

TS Hahm had 54 presentations. The Fundamental session is fundamental discipline common to all plasma physics areas and led by F. Zonca, Amita Das, Zhiyong Qiu, and Yu Lin had 90 presentations. The Basic-1 session covered Plasma Simulation, Diagnostics and Data Science led by Tomo-Hiko Watanabe, Gunsu Yun, and Emi Narita, had 118 presentations. The Basic-2 session covered Quantum/Dusty plasmas, Plasma Source, Basic Experiments, and A&M, and led by Yan Feng, S.K. Tiwari, and Y.H. Song, had 51 presentations. The Applied-1 session covered Plasma Materials and Processing, and led by Se Youn Moon, had 105 presentations. The Applied-2 session covered Plasma Life Science and, led by M. Jinno and N. Puac, had 71 presentations. The Laser-1 session covered ICF, HEDP and Laboratory Astrophysics and, led by Yasuhiko Sentoku, Sudip Sengupta, and Natsumi Iwata, had 63 presentations. The Laser-2 session covered LWFA/PWFA and Proton beam science and, led by Min Chen, M. Krishnamurthy, Hyyong Suk, and Tomonao Hosokai, had 50 presentations. The Space / Geomagnetism session covered space plasma physics and magnetic reconnection and, led by Yoshiharu Omura, Linghua Wang, and Peter Yoon, had 69 presentations. The Solar/Astro session covered solar plasma physics and astro plasma physics and, led by PF Chen, R. Matsumoto, and J. Cho, had 65 presentations. The Magnetic Fusion 1 session (Core plasma), led by Zhenh-Xiong Wang, had 111 presentations. The Magnetic Fusion 2 session (Edge), led by Young-Chul Ghim, Eun-Nam Bang, and Rui-Ding, had 76 presentations. Among them, the 2025 S. Chandrasekhar lecture was given by Qiu-Gang Zong and the 2025 Plasma Innovation Lecture was given by Keishi Sakamoto. We also celebrated 7 U40 winners and 6 U30 winners.

Table 2 shows the distribution of region/countries and gender balance. Participations from the Europe(120) and the USA(61) were significant while there were some administrative problems affecting participation from the US. As for the gender balance, we had 144 female participants (16%). Many female researchers joined from China, India and Pakistan, especially.

We had 6 satellite meetings, 1) Akira Hasegawa Memorial Symposium organized by Z. Yoshida and Liu Chen, 2) the Special Session in honor of the 2024 S. Chandrasekhar Prize Laureate Pisin Chen (included in L2) organized by Pisin Chen, 3) the Kunioki Mima memorial session (included in L1) organized by Y. Kishimoto and Natsumi Iwata, 4) the Mini Symposium : Advancements in Hydrogen-Boron fusion organized by

Report on AAPPS-DPP 2025



Dimitri Batani and Martin Peng, 5) the Mini Symposium: Physics of Matter and Hydro Processes in High-Energy-Density Plasmas organized by S. Abarzhi, and 6) the Mini-symposium on Women in Plasma Physics organized by Anisa Qamar.

chaired by Se Young Moon selected Dr Keishi Sakamoto as the 2025 Laureate for his his innovations in Gyrotron development.

Table 2 Regional distribution of participants

Region	No	Female	Region	No	Female
Japan	306	33	Thailand	3	1
China	218	46	Austria	3	1
Korea	64	5	Chile	3	0
USA	61	8	Canada	2	0
India	41	14	New Zealand	2	0
Germany	27	5	Uzbekistan	2	0
Taiwan	26	3	Lithania	2	2
UK	21	1	Finland	2	0
Pakistan	15	7	Malaysia	2	1
France	15	3	Portugal	2	0
Italy	14	4	Macau	2	0
Singapore	13	1	Poland	1	1
Switzerland	10	0	UAE	1	0
Australia	7	0	Serbia	1	0
Netherland	6	0	Philippines	1	1
Viet Nam	4	1	Hong Kong	1	0
Czech	4	1	Denmark	1	0
Sweden	4	1	Slovenia	1	0
Belgium	4	2	Slovakia	1	0
Nepal	3	0	Egypt	1	1
			Total	897	144

* France include ITER organization

2. AAPPS-DPP S. Chandrasekhar Prize

DPP selects the S. Chandrasekhar Prize annually to recognize outstanding contributions to plasma physics since 2014. The Chandrasekhar Prize Selection Committee chaired by Lou C. Lee, selected Prof. Qiu-Gang Zong as the 2025 laureate. The cash prize is sponsored by Star-Torus Fusion Co. Ltd. The medal is sponsored by IPR/PSSI.



Fig. 3 2025 DPP chair R. Rawat, selection committee chair LC Lee, 2025 Laureate Qiu-Gang Zong with Chandrasekhar prize certificate and Medal, and Star Torus CEO Dr. R. Chen.

3. AAPPS-DPP Plasma Innovation Prize

DPP selects the Plasma Innovation Prize annually since 2019 Year to recognize outstanding contributions to experimental and / or theoretical research in all fields of plasma applications, focusing on impacts on industry. The Plasma Innovation Prize Selection Committee



Fig. 4 2025 Plasma Innovation Prize ceremony, selection committee chair Se Young Moon, 2025 Laureate Keishi Sakamoto with medal and certificate, Chair-elect W. Choe to give cash prize.

4. AAPPS-DPP Young Researcher (U40) Award

DPP selects AAPPS-DPP Young Researcher Award (U40) annually to recognize young talented plasma researchers not more than 40 years old since 2016. The U40 Selection Committee chaired by Hyyong Suk, selected 7 young talents - Gyungjin Choi (KAIST), Yangyang Fu (Tsinghua Univ.), Atsushi Komuro (AIST), Yanfei Li (XJTU), San Lu (USTC), Feng Chen (NJU), and Naoki Kenmochi (NIFS) as the 2025 U40 winners. The winners received a cash prize of 500USD, a plaque and a certificate. Their citations can be found at

<http://aappsdp.org/AAPPSDPPF/youngawardtable.html>



Figure 5 2024 AAPPS-DPP Young Researcher Awardees, from top left, GJ Choi, YY Fu, A. Komuro, San Lu, Feng Chen, and N. Kenmochi with selection committee chair Hyyong Suk and CEO M. Kikuchi for cash prize.

5. Kunioki Mima U30 Scientist and Student Award

DPP selects AAPPS-DPP U30 Doctoral Scientist / Student Award annually since 2018 to recognize

Report on AAPPS-DPP 2025

young talented doctoral scientists/ students not more than 30 years old. This award is sponsored by IFE-Forum. This award was renamed as the Kunioki Mima U30 Scientist and Student Award in his honor. The 2025 Mima U30 award selection committee, chaired by Sudeep Bhattacharjee and Kazuo A Tanaka, selected 6 scientists/students as the 2025 Winners - Xinzhe Zhu (SJTU), Shaoyu Lu (Soochow University), Vikas Rathore (IPR), Jing-Huan Li (PKU), Yeongsun Lee (SNU), and Zihao Yang (PKU) (Figure 6). The winners received a cash prize of 300USD, a plaque, and a certificate. Their citations can be found at <http://aappsdp.org/AAPPSDPPF/U30awardtable.html>



Figure 6 AAPPS-DPP 2025 Kunioki Mima U30 Awardees. From top left, Xinzhe Zhu, S. Lu, V. Rathore, JH Li, YS Lee, Z. Yang with selection committee chair Sudeep Bhattacharjee and Keisuke Shigemori from IFE forum/ILE.

6. RMPP Most Cited Paper Award

RMPP is the official review journal of AAPPS-DPP. RMPP got an impact factor $IF=4.5$ in 2025. At this occasion, we reviewed citations of papers in RMPP and the paper by K. Takahashi is awarded as the most cited paper in RMPP.

#	1 st Author(year)	WoS*	Google
1	K. Takahashi(2019)	158	264
2	QG Zong(2017)	154	195
3	D Melrose(2017)	131	213
4	T Blackburn(2020)	100	165
5	Y Todo(2018)	98	117
6	F Sahrrouli(2020)	96	117
7	D Lev(2019)	95	147
8	P Yoon(2017)	95	120
9	D Moiseev(2018)	71	90
10	F Taccogna(2019)	70	121
11	T Tajima(2020)	68	117
12	H Tanaka(2017)	67	144
13	A Hillier(2017)	54	78
14	Z Zhang(2019)	54	78
15	A Marinoni(2021)	50	81
16	A Dubinov(2018)	47	58
17	S Ratynskaia(2022)	43	69
18	YY Fu(2023)	37	45
19	P Kaw(2017)	37	80
20	M Hori(2022)	32	50

Figure 7 RMPP EIC M. Kikuchi and K. Takahashi

7. AAPPS-DPP2025 and Elsevier Poster Prizes

DPP has been recognizing significant poster presentation at its annual conferences as the AAPPS-DPP Poster Prize since 2018 for both students and young/senior researchers. Among 261 poster presentations, 26 posters were selected by the Selection Committee chaired by Linghua Wang. The winners received a certificate and may get a Springer book on plasma physics. The list of 2025 Poster Prize winners can be found at

<http://aappsdp.org/AAPPSDPPF/posteraward.html>.



Figure 8 AAAPPS-DPP Poster Prize winners with selection committee chair Linghua Wang.

The Elsevier Student and PhD Poster Award Selection Committee chaired by P. Yoon and F. Porcelli selected Jin Wook Kang and Abhijit Misra as the winners for 2025.



Figure 9 Elsevier student and PhD poster award winners Jin Wook Kang and Abhijit Misra with selection committee members.

8. Satellite Meetings

8.1 Akira Hasegawa Memorial Symposium

Prof. Akira Hasegawa was AAPPS-DPP's I-HAC member and outstanding scientist recognized worldwide by Maxwell Prize (APS-DPP) and Alfvén Prize (EPS-PPD) as well as Japan Academy Prize. He passed away on June 22, 2025. The Akira Hasegawa Memorial Symposium was organized by Z. Yoshida and Liu Chen in his honor. Liu Chen, Fulvio Zonca, Troy Carter, Zensho Yoshida, Michael Mauel, Alex Simpson, Zhihong Lin, Michio Yamada, Jan Weiland, Katsunobu Nishihara, and Akihiro Maruta gave talks in his memory.



Figure 10 Akira Hasegawa Memorial Symposium photo

8.2 Special Session in honor of 2024 S. Chandrasekhar Prize Laureate Pisin Chen

Report on AAPPS-DPP 2025

Pisin Chen, B. Hidding, Lance Labun, ZM Sheng, Y. Kuramitsu, and Spencer Gessner gave talks in this special session. Two talks (James Rosenzweig and Gianluca Gregori) were given as plenary.

8.3 Kunioki Mima Memorial Session

Prof. Kunioki Mima was key member of AAPPS-DPP and I-HAC Vice Chair for many years. He passed away on January 5th, 2025. This session was dedicated to his memory. Y. Kishimoto, Sergey Bulanov, Hiroshi Azechi, Natsumi Iwata, Alexey Arefiev, and Kimitaka Itoh gave talks in this special session.

8.4 Min-Symposium: Advancements in P-B fusion

Martin Peng, K. Ogawa, Yangchun Liu, Yongtao Zhao, Dimitri Batani and Dong Wu gave talks on P-B fusion.

8.5 Physics of Matter and Hydro Processes in HEDP

R. Takizawa, C. Matsuoka, P. Diamond, Y. Fukumoto, and T. Sano gave talks in this session.

8.6 WIPP Workshop

Woman in Plasma Physics is now a formal activity in AAPPS-DPP annual conferences. One of newly assigned Board of Director, Prof. Anisa Qamar is in charge of WIPP activities and organized 3rd WIPP Workshop. Speakers were Farah Autor, Anna Tenerani, Giuseppina Nigro, Haruka Suzuki, and Ya Zhang.



Figure 11 3rd WIPP WS participants and Women Participants

9. DPP-LOC joint work for AAPPS-DPP2025

This conference is the largest in-person conference of AAPPS-DPP. Prof. Masaharu Shiratani and his team made efficient on-site conference

management as well as its preparation. Special thanks to A. Professor K. Kamataki for everything.



Figure 12 Opening address of LOC chair M. Shiratani and LOC team group photo.

10. Membership Status

AAPPS-DPP started from 92 founding members in 2014. Figure 8 shows the increase in number of DPP members during last 10 years. As of Aug 15, 2025, the number of DPP members reached 3790.

After the AAPPS-DPP2025 conference, the DPP membership number reached 3970 as of Oct. 2025.

<https://www.aappsdp.org/AAPPSDPPF/memberstatus.html>

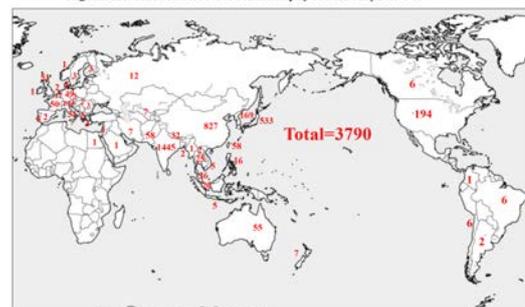
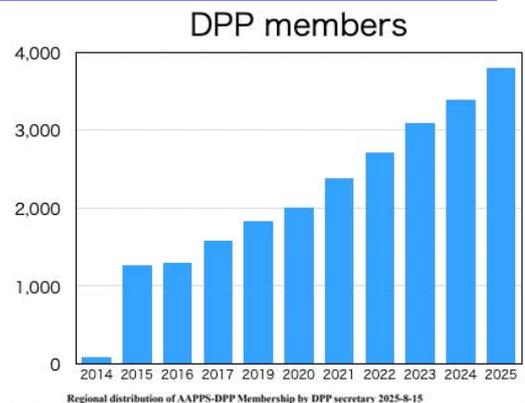


Figure 13 Yearly growth and distribution of DPP membership



11. Overall Program

Whole program we operated is shown below.

9th Asia-Pacific Conference on Plasma Physics (AAPPS-DPP 2025) Fukuoka International Congress Center 21-26, September, 2025 [ver. 9-17]

Sunday (2025.09.21)	Monday (2025.09.22)	Tuesday (2025.09.23)	Wednesday (2025.09.24)	Thursday (2025.09.25)	Friday (2025.09.26)
	Registration: 7:30~ 8:30-10:10: Opening (Chair: Kazunori Koga) O-1 M. Shiraiwa Opening remark 10min O-2 R. Rawat DPP Chair's address 5min O-3 M. Kikuchi DPP CEO remark 5min O-4 S. Bhattacharjee IPEF 130 ceremony 15min O-5 R. Yamamoto IPEF 130 ceremony 15min O-6 S. Yoon Moon PIP ceremony 15min O-7 Lou C. Lee Chandra ceremony 15min O-8 Y. Kikimoto About Kanuki Mima 5min O-9 Liu Chen About Alina Hasegawa 5min O-10 Woo, Yoon AAPPS-DPP2025 10min O-11 Wonda Chee IPEF award 5min 10:10-11:00: Photo & Coffee Break 11:00-13:00: Plenary1 Chairs: LC Lee, SY Moon, ZX Wang, P. Yoon 11:00-11:30: PL-1 Qiu-Gang Zong (Chandra) 11:30-12:00: PL-2 Keishi Sakamoto (PIP) [4] 12:00-16:10 12:00-12:30: PL-3 Felix Warmer(MF1) 12:30-13:00: PL-4 Lingsha Wang(SG)	Registration: 8:00~ 8:30-10:30: Plenary 2 Chairs: R. Matsumoto, P. Diamond, Yu Lin, Y. Kuramitsu 8:30-9:00: PL-5 Hiroya Yamaguchi(SA) 9:00-9:30: PL-6 Vladimir Rosenbusch(CD) 9:30-10:00: PL-7 Anna Tenerani(F) 10:00-10:30: PL-8 Gianluca Gregori(L2)	Registration: 8:00~ 8:30-10:30: Plenary 4 Chairs: CK Huang, TS Hahn, Pim Chen, F. Zonca 8:30-9:00: PL-13 Yan Feng(B2) 9:00-9:30: PL-14 Ting Long(CD) 9:30-10:00: PL-15 James Rosenzweig(L2) 10:00-10:30: PL-16 Mahendra Verma(F)	Registration: 8:00~ 8:30-10:30: Plenary 6 Chairs: T. Johzaki, Feng Chen, Liu Chen, SK Tiwari 8:30-9:00: PL-21 Alexey Artyev(L1) 9:00-9:30: PL-22 Ying Li(SA) 9:30-10:00: PL-23 Colin Roach(F) 10:00-10:30: PL-24 Edward Thomas(B2)	Registration: 8:00~ 8:30-10:30: Plenary 8 Chairs: X Zhang, Y. Yamanishi, X. Garbet, L. Xu 8:30-9:00: PL-29 Wei Chen(MF1) 9:00-9:30: PL-30 K. Sakemura(Sym)(A2) 9:30-10:00: PL-31 Julian Mak(CD) 10:00-10:30: PL-32 Lucin Matthews(B2)
	13:00-14:00: Lunch 13:05-14:05: WIPP WS(1) room 203+204 14:00-16:10: Topical 1 14:00-16:00 Poster session 1 201+202 CD-1(401) F-3(414) B1-1(413) B1-2(404) B2-1(504+505) A1-2(402+403) A2-3(405+406) L1-1(411) L2-1(412) SG-1(503) SA-1(502) MF1-1(409) MF2-1(410)	13:00-14:00: Lunch 13:05-14:05: WIPP WS(2) room 203+204 14:00-16:10: Topical 3 14:00-16:10 Poster session 3 201+202 CD-3(401) F-5(414) B1-5(413) B1-6(404) B2-3(504+505) A1-4(402+403) A2-5(405+406) SG-3(503) SA-3(502) MF1-3(409) MF1-10(412) MF2-3(410)	13:00-14:00: Lunch 13:00-14:00: BoD [404] 14:00-16:10: Topical 5 14:00-16:10 Poster session 5 201+202 CD-5(401) F-7(414) B1-8(413) B2-5(504+505) A1-6(402+403) A2-7(405+406) L1-5(411) L2-5(412) SG-5(503) SA-5(502) MF1-5(409) MF2-5(410)	13:00-14:00: Lunch 13:00-14:00: I-HAC [404] 14:00-16:10: Topical 7 14:00-16:10 Poster session 7 201+202 CD-7(401) B1-10(413) B2-7(504+505) L1-7(411) L2-7(412) SG-7(503) MF1-7(409) MF2-7(410)	13:00-14:00: Lunch 14:00-16:10: Topical 9 14:00-16:10 Poster session 9 201+202 CD-9(401) F-11(414) B1-12(413) B2-9(504+505) A1-11(402+403) A2-10(405+406) L1-9(411) L2-9(412) SG-9(503) SA-9(502) MF1-9(409) MF2-9(410)
	16:10-16:30: Coffee Break 16:30-18:40 Topical 2 16:30-18:40 Poster session 2 201+202 CD-2(401) F-4(414) B1-3(413) B1-4(404) B2-2(504+505) A1-3(402+403) A2-4(405+406) L1-2(411) L2-2(412) SG-2(503) SA-2(502) MF1-2(409) MF2-2(410)	16:10-16:30: Coffee Break 16:30-18:40 Topical 4 16:30-18:40 Poster session 4 201+202 CD-4(401) F-6(414) B1-7(413) B2-4(504+505) A1-5(402+403) A2-6(405+406) L1-4(411) L2-4(412) SG-4(503) SA-4(502) MF1-4(409) MF2-4(410)	16:10-16:30: Coffee Break 16:30-18:40 Topical 6 16:30-18:40 Poster session 6 201+202 CD-6(401) F-8(414) B1-9(413) B2-6(504+505) A1-7(402+403) A2-8(405+406) L1-6(411) L2-6(412) SG-6(503) MF1-6(409) P-B fusion(410) HEDP-1(404)	16:10-16:30: Coffee Break 16:30-18:40 Topical 8 16:30-18:40 Poster session 8 201+202 CD-8(401) F-10(414) A1-9(402+403) A1-10(404) A2-10(405+406) L1-8(411) L2-8(412) SG-8(503) SA-8(502) MF1-8(409) MF2-8(410)	16:10-16:30: Coffee Break 16:30-18:40 Topical 10 16:30-18:40 Poster session 10 201+202 CD-10(401) F-12(414) A1-12(402+403) A2-11(405+406) L1-10(411) L2-10(412) SG-10(503) SA-10(502) MF1-10(409) MF2-10(410)
	19:30 ~ Reception for VIP	18:50-19:50: EV-2 (410) 8th General Assembly		20:00-23:00: Conference Dinner at Izakaya restaurant	

Scientific program of AAPPS-DPP2025 was of great success by hard works of 12 PC chairs who made excellent programs in each sub-discipline.

AAPPS-DPP2025 PC chairs



Prof. Patrick Diamond (CD chair)



Prof. F. Zonca (F chair)



Prof. TH Watanabe (B1 chair)



Prof. Tyan Feng (B2 chair)



Prof. SY Moon (A1 chair)



Prof. M. Jinno (A2 chair)



Prof. Y. Sentoku (L1 chair)



Prof. Min Chen (L2 chair)



Prof. Y. Omura (SG chair)



Prof. Pengfei Chen (SA chair)



Prof. ZX Wang (MF1 chair)



Prof. Ghim (MF2 chair)