



# 1<sup>st</sup> Announcement on 7<sup>th</sup> Asia-Pacific Conference on Plasma Physics (AAPPS-DPP 2023) November 12-17, 2023

<http://aappsdp.org/DPP2023/index.html>

Port Messe Nagoya, Japan

Organized by AAPPS-DPP

Issued on June 1, Rev2 June 12, 2023

The Division of Plasma Physics of the Association of Asia Pacific Physics Societies (AAPPS-DPP) has been successfully organizing annual conferences on plasma physics in the Asia Pacific region for the past 6 years. The 1<sup>st</sup> Asia-Pacific Conference on Plasma Physics (AAPPS-DPP2017) was held during September 18-23, 2017 in Chengdu, China (<http://aappsdp.org/DPP2017rogramlatest/index.html>) followed by AAPPS-DPP2018 (<http://aappsdp.org/DPP2018/index.html>) during November 12-17, 2018 in Kanazawa, Japan and AAPPS-DPP2019 (<http://aappsdp.org/DPP2019/index.html>) during November 4-8, 2019 in Hefei, China.

The subsequent three conferences AAPPS-DPP2020 (<http://aappsdp.org/DPP2020/index.html>), AAPPS-DPP2021 (<http://aappsdp.org/DPP2021/index.html>) and AAPPS-DPP2022 (<http://aappsdp.org/DPP2022/index.html>) were held as online conferences using the Zoom platform. We now plan to return to an in-person format this year to hold the 7<sup>th</sup> Asia-Pacific Conference on Plasma Physics (AAPPS-DPP2023) during Nov. 12-17, 2023 in Port Messe Nagoya, Japan.

**[1] Scope of the AAPPS-DPP2023:** AAPPS-DPP2023 is a plasma physics conference under the authority of AAPPS-DPP for scientific discussions on plasma physics. This conference should be physics oriented and provide interdisciplinary and in-depth discussions among and in various fields of plasma physics and application.

## [2] Organization:

AAPPS-DPP (<http://aappsdp.org/AAPPSDPPF/>) is organizing body of this conference. NIFS (DG: Z. Yoshida, <https://www.nifs.ac.jp/en/about/director.html>) co-organize this conference and act as LOC.



AAPPS-DPP chair  
& 2023 IOC chair  
Abhijit Sen



AAPPS-DPP CEO  
& 2023 General PC chair  
Mitsuru Kikuchi



LOC chair  
NIFS  
Kenichi Nagaoka

## Disclaimer

The attendance of AAPPS-DPP2023 conference is at own risk. While the organizers will make every effort to conduct this conference according to the announced schedule, unlikely, unforeseen circumstances may result in change of the schedule or cancelation of the conference. These changes will be posted at the conference website. No liability is assumed for inaccuracy, misdescription, delay, damage, and loss.

**[3] Date:** November 12(Sunday) -17(Friday), 2023

## [4] Sponsors

AAPPS-DPP2023 is financially supported by:

1. International Center for Theoretical Physics (ICTP, <https://www.ictp.it>)
2. Asia Pacific Center for Theoretical Physics (APCTP, <https://www.apctp.org/main/>)
3. Larsen & Toubro Ltd (Sponsor for 2023 S. Chandrasekhar Prize) <https://www.larsentoubro.com>



4. INOX CVA(Sponsor for 2023 Plasma Innovation Prize) <https://inoxcva.com>
5. Nagoya convention & visitors bureau <https://www.nagoya-info.jp/ncvb/>
6. IFE Forum (Sponsor for 2023 U30 Award) <https://www.ilt.or.jp/ife-forum/>
7. YUKWAI (Partial sponsor for 2023 Young Researcher Award) <https://yu-kwai.jp/>
8. Hamamatsu photonics KK(Sponsor, program advertise) <https://www.hamamatsu.com/jp/ja/>
9. EX-Fusion(Exhibition, poster advertisement) <https://www.ex-fusion.com/>
10. Helical Fusion(Sponsor, poster advertisement) <https://www.helicalfusion.com>
11. Springer (Poster advertisement, Poster Prize gift books, exhibition), <https://www.springer.com/jp>
12. Future Energy Research Association(Sponsor) <http://www.mirai-energy-association.com/mirai/mirai.html>
13. ENN Science and Technology Development Co., Ltd.(Program advertisement)
14. Plasma Science Society of India (Chandrasekhar Medal) <http://www.pssi.in/>



**[5] Conference Venue:**

Conference will be held in-person at Main Hall, Event Hall and Convention Hall in Port Messe Nagoya in Japan (<https://portmesse.com/en>).



Main Hall,

Event Hall,

Convention Hall

**5.1 Plenary Talks**

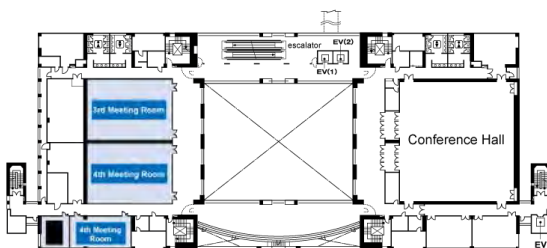
All plenary talks will be given at the Conference Hall in Main Hall building.



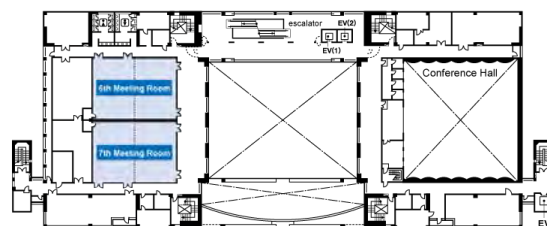
**5.2 Parallel Sessions, Poster/Exhibition Sessions**

There will be 9 parallel sessions in Main Hall, Event Hall, and Convention Hall.

**1) Parallel session rooms in Main Hall**



Room 3,4 (108seats each), Room5(30seats)



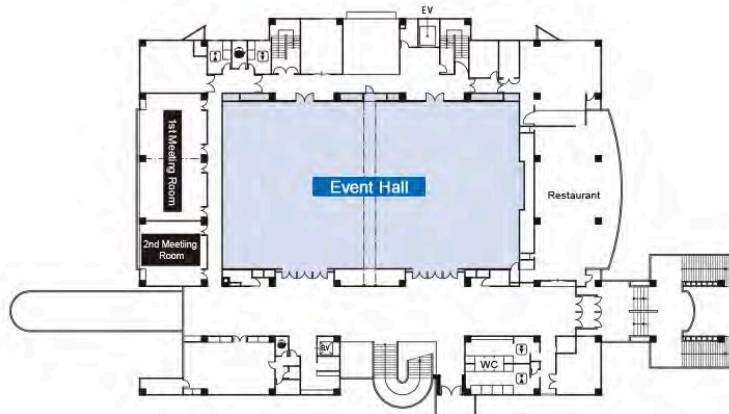
Room6-1,6-2,7-1,7-2 (54seats each)

2) Parallel session rooms in Convention Hall



Room B1,2 B3,4

3) Parallel session rooms in Event Hall



Room 1, Room 2 and Event Hall (Exhibition and Poster)



Poster and Exhibition session (Event Hall)

5.3 Room Arrangement

	Seats	11.12 Sunday	11.13 Monday	11.14 Tuesday	11.15 Wednesday	11.16 Thursday	11.17 Friday
Main Hall	300/500		Plenary&MF1	Plenary&MF1	Plenary&MF1	Plenary&MF1	Plenary&MF1
Room1	60		Solar/Astro	Solar/Astro	Solar/Astro	Solar/Astro	Solar/Astro
Room2	30		Reserve	Reserve	Reserve	Reserve	Reserve
Room3	108	NIFS-WS	Laser/WIPP(EV)	Laser	Laser	Laser	Laser
Room4	108		Applied	Applied	Applied	Applied	Applied
Room5	30		Reserve	Reserve	Reserve	Reserve	Reserve
Room6-1	54		CD	CD	CD	CD	
Room6-2	54		MF1(2)/A(2)	MF1(2)/A(2)	MF1(2)/A(2)	MF1(2)/A(2)	
Room 7-1	54		SG	SG	SG	SG	SG
Room7-2	54		MF2(OS)	MF2(OS)	MF2(OS)	MF2(OS)	MF2(OS)
Room B1,2	60		Fundamental	Fundamental	Fundamental	Fundamental	Fundamental
Room B3,4	60		Basic	Basic	Basic	Basic	Basic
Event Hall	725m <sup>2</sup>		Poster&Exhibition	Poster&Exhibition	Poster&Exhibition	Poster&Exhibition	

[6] Basic Structure of Scientific Program:

Conference will run from Sunday (12 Nov.) to Friday (17 Nov.). Sunday program is satellite WS, LHD tour and reception. From Monday, morning sessions will be plenary sessions (no parallel session) at the main conference hall. There will be 2023 S. Chandrasekhar Prize, Plasma Innovation Prize, Young researcher award, U30 award selection before the conference. Afternoon session will be dedicated for parallel sessions except Friday.

Conference covers following sub-disciplines of plasma physics.  
 CD. Cross-disciplinary, F. Fundamental plasma, B. Basic plasma, A. Applied plasma,  
 L. Laser plasma, SG. Space / Geomagnetism plasma, SA. Solar / Astro plasma,  
 MF1. Magnetic Fusion plasma (Core&Edge), MF2. Organized session



Version 2023.06.10

## 7<sup>th</sup> Asia-Pacific Conference on Plasma Physics (AAPPS-DPP 2023) Port Messe Nagoya

1. 41 Plenary (30minutes), 316Invited (25minutes), 158Oral (15 minutes), 400 posters, 6 EV, Total: 921 presentations

Sunday (2023.11.12)	Monday (2023.11.13)	Tuesday (11.14)	Wednesday (11.15)	Thursday (11.16)	Friday (11.17)
	Registration: 8:00~	Registration: 8:00~	Registration: 8:00~	Registration: 8:00~	Registration: 8:00~
	8:30-10:00: Opening (Main Hall)				
	1. LOK president (10min)	8:30-10:30: Plenary 2 (Main Hall)	8:30-10:30: Plenary 4 (Main Hall)	8:30-10:30: Plenary 6 (Main Hall)	8:30-10:30: Plenary 8 (Main Hall)
	2. VPP talk (10min)	8:30-9:00: P6	8:30-9:00: P14	8:30-9:00: P22	8:30-9:00: P30
	3. Abhijit Sen (DPP chair) (5min)	9:00-9:30: P7	9:00-9:30: P15	9:00-9:30: P23	9:00-9:30: P31
	4. K. Mima USO (15min)	9:30-10:00: P8	9:30-10:00: P16	9:30-10:00: P24	9:30-10:00: P32
	5. IAD ceremony (15min)	10:00-10:30: P9	10:00-10:30: P17	10:00-10:30: P25	10:00-10:30: P33
	6. PIP Ceremony (15min)				
	7. Chandrasekhar Ceremony (15min)				
	10:00-10:30: Photo Break	10:30-11:00: Coffee break	10:30-11:00: Coffee break	10:30-11:00: Coffee break	10:30-11:00: Coffee break
	10:30-13:00: Plenary 1 (Main Hall)				
	10:30-11:00: P1 ChandraTalk	11:00-13:00: Plenary 3 (Main Hall)	11:00-13:00: Plenary 5 (Main Hall)	11:00-13:00: Plenary 7 (Main Hall)	11:00-13:00: Plenary 9 (Main Hall)
	11:00-11:30: P2 PIP Talk	11:00-11:30: P10	11:00-11:30: P18	11:00-11:30: P26	11:00-11:30: P34
	11:30-12:00: P3	11:30-12:00: P11	11:30-12:00: P19	11:30-12:00: P27	11:30-12:00: P35
	12:00-12:30: P4	12:00-12:30: P12	12:00-12:30: P20	12:00-12:30: P28	12:00-12:30: P36
	12:30-13:00: P5	12:30-13:00: P13	12:30-13:00: P21	12:30-13:00: P29	12:30-13:00: P37
	13:00-14:00: Lunch	13:00-14:00: Lunch	13:00-14:00: Lunch	13:00-14:00: Lunch	13:00-14:00: Lunch
	14:00-16:10: Topical 1	14:00-16:10: Topical 3	14:00-16:10: Topical 5	14:00-16:10: Topical 7	14:00-16:10: Topical 9
	CD-1 (Room6-1)	CD-3 (Room6-1)	CD-5 (Room6-1)	CD-7 (Room6-1)	CD-9 : no session (tbd)
	F-1 (Room B1,2)	F-3 (Room B1,2)	F-5 (Room B1,2)	F-7 (Room B1,2)	F-9 (Room B1,2)
	B-1 (Room B3,4)	B-3 (Room B3,4)	B-5 (Room B3,4)	B-7 (Room B3,4)	B-9 (Room B3,4)
	A-1 (Room 4)	A-3 (Room 4)	A-5 (Room 4)	A-7 (Room 4)	A-9 (Room 4)
	L-1 (Room 3)	L-3 (Room 3)	L-5 (Event Hall-1)	L-7 (Room 3)	L-9 (Room 3)
	SG-1 (Room7-1)	SG-3 (Room7-1)	SG-5 (Room7-1)	SG-7 (Room7-1)	SG-9 (Room7-1)
	SA-1 (Room1)	SA-3 (Room1)	SA-5 (Room1)	SA-7 (Room1)	SA-9 (Room1)
	MF1-1 (Main Hall)	MF1-3 (Main Hall)	MF1-5 (Main Hall)	MF1-7 (Main Hall)	MF1-9 (Main Hall)
	MF2-1 (Room7-2)	MF2-3 (Room7-2)	MF2-5 (Room7-2)	MF2-7 (Room7-2)	MF2-9 (Room7-2)
	16:10-16:30: Coffee Break	16:10-16:30: Coffee Break	16:10-16:30: Coffee Break	16:10-16:30: Coffee Break	16:10-16:30: Coffee Break
	16:30-18:40: Topical 2	16:30-18:40: Topical 4	16:30-18:40: Topical 6	16:30-18:40: Topical 8	16:30-18:40: Plenary 10 (Main Hall)
	CD-2 (Room6-1)	CD-4 (Room6-1)	CD-6 (Room6-1)	CD-8 (Room6-1)	16:30-17:00: P38
	F-2 (Room B1,2)	F-4 (Room B1,2)	F-6 (Room B1,2)	F-8 (Room B1,2)	17:00-17:30: P39
	B-2 (Room B3,4)	B-4 (Room B3,4)	B-6 (Room B3,4)	B-8 (Room B3,4)	17:30-18:00: P40 Poster prize
	A-2 (Room 4)	A-4 (Room 4)	A-6 (Room 4)	A-8 (Room 4)	18:00-18:30: P41 Closing
	L-2 (Room 3)	L-4 (Room 3)	L-6 (Room 3)	L-8 (Room 3)	
	SG-2 (Room7-1)	SG-4 (Room7-1)	SG-6 (Room7-1)	SG-8 (Room7-1)	
	SA-2 (Room1)	SA-4 (Room1)	SA-6 (Room1)	SA-8 (Room1)	
	MF1-2 (Main Hall)	MF1-4 (Main Hall)	MF1-6 (Main Hall)	MF1-8 (Main Hall)	
	MF2-2 (Room7-2)	MF2-4 (Room7-2)	MF2-6 (Room7-2)	MF2-8 (Room7-2)	
	19:00-21:00: EV-1 (Room 3)	19:00-20:00: EV-2 (Main Hall)	19:00-20:00: EV-3 (Main Hall)	19:45-22:00: Conference Dinner Hilton Nagoya	
	Woman in Plasma Physics Mini workshop	EV2-1	EV3-1		
		EV2-2	EV3-2		

MF1 (5 extra) and Applied(4 extra) will have extra sessions using Room 6-2 and Room2, General Assembly: tbd, I-HAC: tbd, BoD: tbd, RMPP Editor: tbd

1. “Fundamental” covers 1. Mathematical plasma physics, 2. MHD and Reconnection, 3. Kinetic MHD, 4. Plasma turbulence, 5. Gyro kinetic, 6. NC transport, 7. Turbulent transport, 8. Current Drive, 9. Relativistic plasma physics, etc. Fundamental will have some focused sessions on EP physics in AAPPS-DPP 2018.
2. “Basic” covers 1. Plasma Simulation, 2. Strongly-coupled& Dusty& Quantum plasmas, 3. Atomic& Molecular in plasma for astro/solar/space, laser, low temp and fusion applications, 4. Plasma Diagnostics, 5. Non-neutral plasma, 7. Plasma propulsion, 8. Plasma source and plasma heating system, etc. Basic will have focused sessions on 1. Massive computational plasma physics, 2. Strongly-coupled, and 3. Atomic& Molecular in plasma
3. “Organized Session” is Session proposals adopted by MF2 PC.

### [7] Registration Fee and Conference Dinner Fee

Registration fee should be paid on-line before the conference. Conference registration site is open on June 1 at [https://www.gakkai-web.net/p/aappsdpd\\_reg/new1.php](https://www.gakkai-web.net/p/aappsdpd_reg/new1.php)

In case participant can't come, paid fee will be reimbursed with some cost. At the conference site, there will be minimum peoples in charge. We will not accept payment in cash and ask on-line payment in case you have not paid on-line before so that you have to bring your valid credit card.

Member fee is applied to AAPPS-DPP members and participants join DPP (no membership fee). Registration fee includes 1) Admission to all conference sessions and 2) Conference Materials.

Coffee break and welcome reception are free of charge.

	Before Sept. 30, 2023	After Sept. 30, 2023
Member/Join DPP	60,000 JPY (~450USD)	70,000 JPY (~500USD)
Member(Retired)/Join DPP	26,000 JPY (~200USD)	35,000 JPY (~250USD)
Member(Student)/Join DPP	20,000 JPY (~150USD)	26,000 JPY (~200USD)
Non-member	80,000 JPY (~600USD)	90,000 JPY (~650USD)

### 7.1 On-site Registration

Conference bag including conference program, name tag, lunch ticket, dinner ticket, receipt, etc. will be given at the on-site registration desk. From Monday(Nov.13) to Friday(Nov.17), on-site



registration will be done at the service center A of 1<sup>st</sup> floor of Main Hall Building. On Sunday (Nov.12), registration desk at the service counter A is open during 13:00-15:00. Registration desk is open during 17:30-20:00 also at reception at welcome reception.



## 7.2 Conference dinner

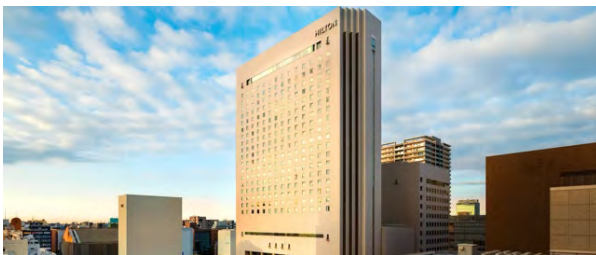
1) Date and Time: Thursday, November 16th, from 19:45 to 22:00

2) Location: Hilton Nagoya, Ohgi-no-ma(扇の間), 5th Floor

<https://www.hilton.com/en/hotels/naghitw-hilton-nagoya/hotel-location/>

3) Conference dinner fee: 8,000 JPY for a participant and 16,000JPY for a participant with spouse who paid during registration. Please bring banquet ticket in your conference bag to join the banquet.

4) Transportation: A chartered bus will be provided from Port Messe Nagoya to Hilton Nagoya, with a scheduled departure from the first floor of the Convention Hall at 18:30.



## [8] VISA requirement

Participants who need VISA should contact DPP 2023 secretary([aappsdp.2023@gmail.com](mailto:aappsdp.2023@gmail.com)).

Registration fee should be paid in advance before you apply VISA. Please visit [http://www.mofa.go.jp/j\\_info/visit/visa/](http://www.mofa.go.jp/j_info/visit/visa/) as well. Deadline for VISA registration is July 1. VISA support after July 1 will end on 1 September.

1. Register yourself at Registration homepage([https://www.gakkai-web.net/p/aappsdp\\_reg/new1.php](https://www.gakkai-web.net/p/aappsdp_reg/new1.php))
2. Click Visa "Required" and select Country to apply Visa.



## [9] How to Reach Port Messe Nagoya

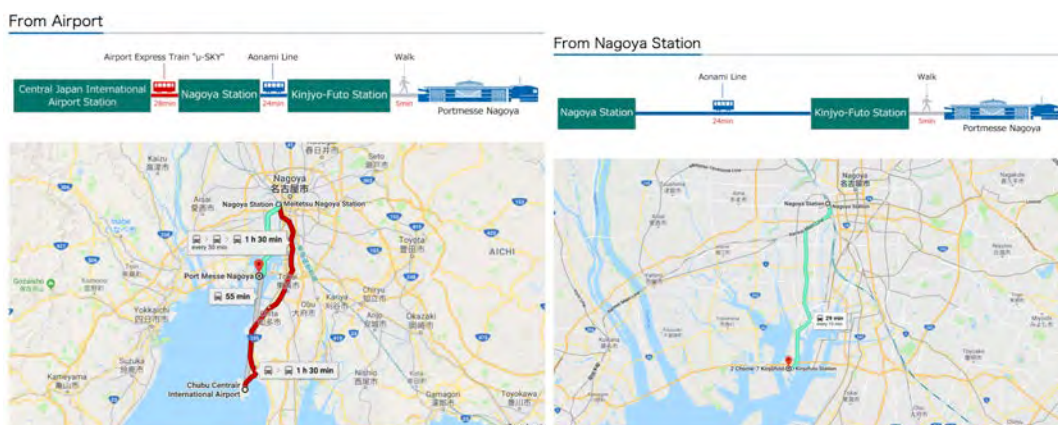
If you arrive at Chubu Centrair International Airport, take Airport Express Train "μ-SKY" to Nagoya Station. <https://portmesse.com/en/access-en>

If you arrive at other Airport in Japan and no good connection to Chubu Centrair International Airport, take Shinkansen to Nagoya station.

**Access to Port Messe Nagoya from Nagoya Station:** Take Aonami Line to reach Kinjyo-Futo Station. Port Messe Nagoya is 5 minutes by walk.



See also <http://aapspdpp.org/DPP2023/html/about/venue.html>



**[10] Financial assistance** : DPP will support limited number of presenters using the resource given by APCTP, ICTP. Application is closed on May 31. <http://aapspdpp.org/DPP2023/html/2join/financial.html> Notification of support will be made before June10. Reimbursement will be made directly by the funding agency (APCTP, ICTP) for awarded participants after the conference and not on site.

### **[11] Contributed and Post-deadline**

Abstract submission is extended to June 15 at <https://www.gakkai-web.net/gakkai/aapspdpp/> Abstract submission after June 15 is regarded as Post-deadline. All accepted post deadline submissions will be poster presentation. Submission site will be closed on August 10. We have “one-oral rule” so that plenary or invited or oral speakers can’t give another oral talk but can give additional poster presentation either same or different contents. All poster presentations can be candidates of poster prize.

**[12] Box Lunch:** Box Lunch of 1,200JPY can be reserved for Nov. 13-17 through registration homepage. Box Lunch (Yaohiko, 1,200JPY): contents changes every day (circulate 3 types).



### **[13] Welcome Reception (inc. Registration):**

**Date:** Sunday, November 12<sup>th</sup>, 2023

**Time (Welcome Reception):** 18:00-20:00, Registration Desk open during 17:30-20:00

**Venue:** Asahi Super Dry Nagoya (Web page: <https://asahisupernagoya.owst.jp/en/>)

The restaurant "Asahi Super Dry Nagoya" is located on the B1F floor of the Nitta Building. The registration desk will be opened at the entrance area of the restaurant. In the welcome reception, a standing buffet-style dinner and beverage service will be provided.

#### **Food Menu**

Juicy cold beef, Smoked salmon & tuna prosciutto carpaccio style, Assorted sandwiches, Shrimp with chili sauce, Sauteed pork tongue with salt and green onion flavor, Fried chicken thigh, Assorted sausages, Combination Pizza, Assorted fruits

※The menu is subject to change.

**Access:** 8 min. walk from Nagoya Station

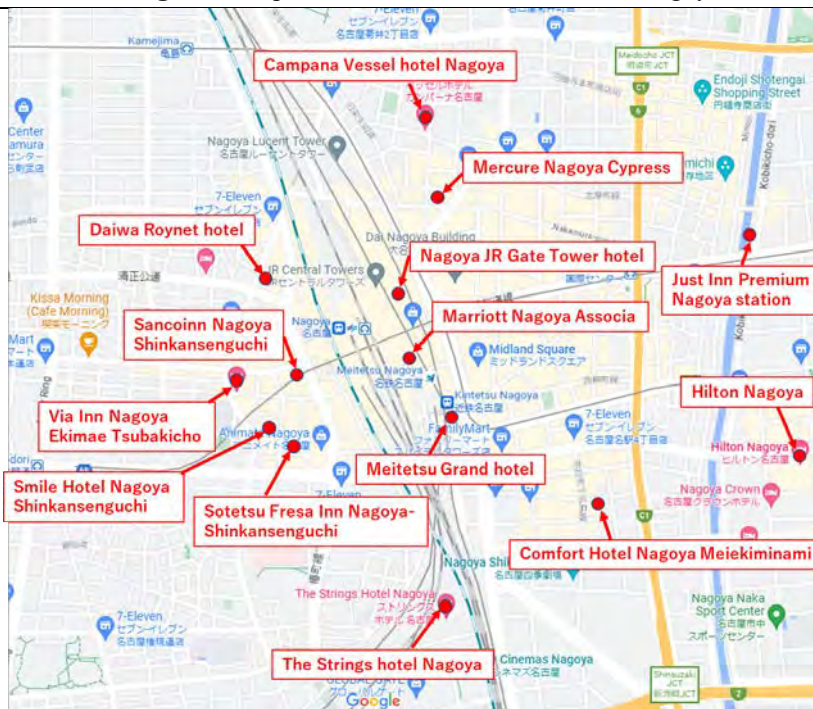


※All images are for illustrative purposes only.

### [14] Hotel List near Nagoya station (within ~1km)


















For reservation, please go directly to the hotel's online reservation page or agent site. If you have any trouble of reserving your hotel, please contact LOC.

<b>Marriott Nagoya Associa</b>	<a href="https://www.associa.com/nma/multi-lingual/?wovn=en">https://www.associa.com/nma/multi-lingual/?wovn=en</a>
<b>Nagoya JR Gate Tower hotel</b>	<a href="https://www.associa.com/ngh/multi-lingual/?wovn=en">https://www.associa.com/ngh/multi-lingual/?wovn=en</a>
<b>The Strings hotel Nagoya</b>	<a href="https://www.strings-hotel.jp/nagoya/en/">https://www.strings-hotel.jp/nagoya/en/</a>
<b>Hilton Nagoya</b>	<a href="https://www.hilton.com/en/hotels/naghitw-hilton-nagoya/">https://www.hilton.com/en/hotels/naghitw-hilton-nagoya/</a>
<b>Meitetsu Grand hotel</b>	<a href="https://www.meitetsu-gh.co.jp/en/">https://www.meitetsu-gh.co.jp/en/</a>
<b>Campana Vessel hotel Nagoya</b>	<a href="https://www.vessel-hotel.jp/campana/nagoya/">https://www.vessel-hotel.jp/campana/nagoya/</a>
<b>Comfort Hotel Nagoya Meiekiminami</b>	<a href="https://www.choicehotels.com/japan/nagoya-city/comfort-inn-hotels/jp103">https://www.choicehotels.com/japan/nagoya-city/comfort-inn-hotels/jp103</a>
<b>Via Inn Nagoya Ekimae Tsubakicho</b>	<a href="https://www.viainn.com/en/nagoya-t/">https://www.viainn.com/en/nagoya-t/</a>
<b>Sotetsu Fresa Inn Nagoya-Shinkansenguchi</b>	<a href="https://sotetsu-hotels.com/en/fresa-inn/nagoya-shinkansenguchi/">https://sotetsu-hotels.com/en/fresa-inn/nagoya-shinkansenguchi/</a>
<b>Sancoinn Nagoya Shinkansenguchi</b>	<a href="https://www.sanco-inn.co.jp/nagoya/en/">https://www.sanco-inn.co.jp/nagoya/en/</a>
<b>Daiwa Roynet hotel</b>	<a href="https://www.daiwaroynet.jp/en/nagoya-shinkansenguchi/">https://www.daiwaroynet.jp/en/nagoya-shinkansenguchi/</a>
<b>Mercure Nagoya Cypress</b>	<a href="https://all.accor.com/hotel/5300/index.en.shtml">https://all.accor.com/hotel/5300/index.en.shtml</a>
<b>Just Inn Premium Nagoya station</b>	<a href="https://www.just-inn.jp/nagoyaeki/en/">https://www.just-inn.jp/nagoyaeki/en/</a>
<b>Smile Hotel Nagoya Shinkansenguchi</b>	<a href="https://smile-hotels.com/hotels/show/nagoyashinkansenguchi">https://smile-hotels.com/hotels/show/nagoyashinkansenguchi</a>
























## [15] Plenary Speakers

Photo	Name	Affiliation	Talk Title
	tbd		2023 S. Chandrasekhar Prize Lecture
	tbd		2023 Plasma Innovation Prize Lecture
	<b>[Cross-Disciplinary]</b> Nobu Yokoi	The University of Tokyo	Non-equilibrium Turbulence Effects on Plumes
	<b>[Cross-Disciplinary]</b> Shin-ichi Takehiro	Kyoto University	Band Structure Formation in Rotating Systems
	<b>[Cross-Disciplinary]</b> Yasmin Andrew	Imperial College in London	Information Geometry Analysis of H-mode transitions
	<b>[Cross-Disciplinary]</b> Rahul Pandit	IIS, Bagalore	Elastic and Binary-fluid Turbulence: An overview
	<b>[Fundamental plasma]</b> Philip Morrison	U. Texas at Austin	New results on metriplectic dynamics and geometry
	<b>[Fundamental plasma]</b> Fatima Ebrahimi	PPPL	Magnetic reconnection: From compact fusion to plasma propulsion
	<b>[Fundamental plasma]</b> Hideaki Miura	NIFS	Statistical and structural properties of Hall MHD turbulence
	<b>[Fundamental plasma]</b> Adelle Wright	PPPL	Innovations in high-fidelity magnetohydrodynamic modelling for advanced stellarators
	<b>[Basic plasma]</b> Lin I	National Central University	Multi-scale cooperative micro-motion, structural rearrangement, and defect dynamics in cold dusty plasma liquids
	<b>[Basic plasma]</b> Yuri Ralchenko	NIST	Collisional-radiative modeling for plasma population kinetics and spectroscopy
	<b>[Basic plasma]</b> Kohji Yoshikawa	University of Tsukuba	Vlasov simulation on 6-dimensional phase space for cosmological neutrinos and its application to astrophysical magnetized plasma
	<b>[Basic plasma]</b> Avinash Khare	Sikkim University	Dynamics of dusty plasma with variable charge: Charge reduction, Coulomb screening; Coulomb plasma
	<b>[Applied plasma]</b> Xiaolei Fan	University of Manchester	A reflection on rational design of catalysts for non-thermal plasma (NTP) catalysis
	<b>[Applied plasma]</b> Masaru Hori	Nagoya University	Booming Low-temperature Plasma Sciences for a Creation of New Value
	<b>[Applied plasma]</b> Yi Wu	Xi'an Jiaotong University	Electrical arc behavior, controlling and their applications in switchgear
	<b>[Applied plasma]</b> Sudeep Bhattacharjee	IIT- Kanpur	Plasma potential fluctuations in cold micro-plasma jets : interactive surface feedback effects on reactive species generation
	<b>[Laser plasma]</b> Mike Campbell	University of Rochester	40 years of science on ICF: Conception to Scientific Breakeven on the NIF





	<b>[Laser plasma]</b> Yutong Li	Institute of Physics-CAS	Femtosecond time-resolved dynamics of fast electrons in relativistic laser-foil interactions
	<b>[Laser plasma]</b> Jerome Faure	Ecole Polytechnique	Observation of Carrier Envelope Phase effects in a high-repetition rate Laser Wakefield accelerator
	<b>[Laser plasma]</b> Chang Hee Nam	IBS&GIST	Nonlinear Compton scattering between a laser-accelerated GeV electron beam and a PW laser pulse
	<b>[Space/Geomag plasma]</b> Quanqi Shi	Shandong University	The lunar tide observed in Earth's magnetosphere
	<b>[Space/Geomag plasma]</b> Shuichi Matsukiyo	Kyushu University	Effects of heliospheric boundary in the behaviors of galactic and anomalous cosmic rays
	<b>[Space/Geomag plasma]</b> Satyavir Singh	IIG-Navi Mumba	Generation of Kinetic Alfvén Waves in the magnetosphere
	<b>[Space/Geomag plasma]</b> Iver Cairns	University of Sydney	A New Ion beam Instability and Radio Emission Driven by Shocks
	<b>[Solar/Astro plasma]</b> Shin Toriumi	ISAS	Understanding the universal heating mechanism of solar and stellar atmospheres
	<b>[Solar/Astro plasma]</b> Huirong Yan	Universität Potsdam	Compressible MHD Turbulence and Cosmic Ray Transport
	<b>[Solar/Astro plasma]</b> Dongsu Ryu	UNIST	Shock Waves in the Hot Plasma of Galaxy Clusters
	<b>[Solar/Astro plasma]</b> Feng Yuan	Shanghai Astronomical Observatory	Outflows from black hole accretion flows
	<b>[Magnetic Fusion]</b> Bin Zhang	ASIPP	Long-Pulse High Performance Plasmas towards ITER and CFETR Steady-State Operation in EAST
	<b>[Magnetic Fusion]</b> Akinobu Matsuyama	QST	Mixed hydrogen-neon pellet injection in toroidal plasmas – theory and observation
	<b>[Magnetic Fusion]</b> Jeronimo Garcia	CEA	JT-60SA Status and advances towards the initial operational phases
	<b>[Magnetic Fusion]</b> Filippo Scotti	LLNL	Detachment and scrape-off layer radial transport characterization in Negative Triangularity discharges in DIII-D
	<b>[MF Organized Session]</b> Alexander Knieps	Forschungszentrum Jülich GmbH	Stochastization effects in magnetized 3D plasmas
	<b>[MF Organized Session]</b> Gerardo Giruzzi	CEA, IRFM	Non-Maxwellian electron distribution functions in magnetized fusion plasmas
	<b>[MF Organized Session]</b> Troy Carter	UCLA	Fusion Science and Technology Studies on the Basic Plasma Science Facility
	<b>[MF Organized Session]</b> Dmitri Orlov	UCSD	Crossover of Space Exploration and Fusion Research: Spacecraft Heat Shields and Meteoroids in the DIII-D tokamak



## [16] Invited Speakers

### Cross Disciplinary:

1. Surabhi	Jaiswal	Eastern Michigan University
2. Taik Soo	Hahm	Seoul National University
3. Gyungjin	Choi	Seoul National University
4. Yi	Zhang	Southwestern Institute of Physics
5. Johan	Anderson	Chalmers University of Technology
6. Wenjing	Tian	Tsinghua University
7. Cong	Meng	Southwestern Institute of Physics
8. Di	Hu	Beihang University
9. Xiaobo	Li	Peking University
10. Tong	Liu	Dalian University of Technology
11. Weixin	Guo	HUST
12. Choi	Minjun	Korea Institute of Fusion Energy
13. R. P.	Prajapati	Jawaharlal Nehru University
14. Patrick	Diamond	UC San Diego
15. Geert	Verdoolaege	Ghent University
16. Patrick	Fuller	University of Warwick
17. Eun-jin	Kim	Coventry University
18. Bhooshan	Paradkar	University of Mumbai
19. Zhangsheng	Huang	HUST
20. Sarveshwar	Sharma	Institute for Plasma Research
21. Lei	Qi	Korea Institute of Fusion Energy
22. Yohei	Masada	Fukuoka University
23. Min	Jiang	Southwestern Institute of Physics
24. Satyananda	Kar	Indian Institute of Technology
25. Qinghao	Yan	Southwestern Institute of Physics
26. Shogo	Isayama	Kyushu University
27. Ting	Long	Southwestern Institute of Physics
28. Takumi	Onchi	Kyushu University

Investigation of auroral line in ambient air from O(1 S) metastable oxygen  
 Zonal flow generation in the presence of fast ions  
 On time evolution of self-generated vortex flows in a tokamak magnetic --  
 Bifurcation of coherent vortex flow in a magnetic island through --  
 Statistical analysis of turbulent plasma dynamics  
 The Influence of Cross-Phase on Turbulent Transport of Toroidal --  
 Vorticity wave interaction and exceptional points in shear flow instabilities  
 Drift surface solver for runaway electron current dominant equilibria  
 A Dynamical Critical Gradient Model of ITB Formation and Evolution  
 Enhancement of ECCD by current condensation effect for stabilizing --  
 Effects of alpha particles on plasma confinement and the removal of --  
 Characterization of fluctuation and transport in KSTAR edge plasmas --  
 Cosmic ray-driven magnetohydrodynamic(MHD) waves and --  
 Formation and Resiliency of Staircase Profiles-Passive and Active Scalar -  
 An intrinsically probabilistic approach to analyzing stochasticity and --  
 Stochastic prey-predator theory of the L-H transition in fusion plasmas --  
 Effects of Stochastic Noises on Limit-Cycle Oscillations and Power --  
 Improved proton acceleration by suppression of laser transparency --  
 The effects of 3D MPs and finite beta on CTEM and ITG instabilities --  
 Flux and energy asymmetry in a low pressure capacitively coupled --  
 Role of isotopes in microturbulence from linear to saturated Ohmic --  
 Modeling Convection and Transport in the Sun  
 Interaction between magnetic island and turbulence and its impact in --  
 Optimization of a cold atmospheric pressure plasma jet for antimicrobial -  
 Saturation mechanism for energetic particle induced zonal structure  
 Relativistic particle acceleration in two-dimensional Alfvén wave --  
 Turbulence spreading and flow shearing dynamics in high density --  
 Measuring permutation entropy and statistical complexity in plasma

### Fundamental:

1. Liu	Chen	Zhejiang University
2. Vinicius	Duarte	Princeton Plasma Physics Lab
3. Xingquan	WU	ASIPP
4. Maria Elena	Innocenti	Ruhr-Universität Bochum
5. Daniel	Crews	Zap Energy, Inc.
6. Takeshi	Matsumoto	Kyoto University
7. Ben	Snow	University of Exeter
8. Michael	Leconte	Korea Institute of Fusion Energy
9. Naoki	Sato	The University of Tokyo
10. Yohei	Kawazura	Tohoku University
11. Makoto	Hirota	Tohoku University
12. Keiichiro	Nunotani	The University of Tokyo
13. Alain	Brizard	Saint Michael's College
14. Fabio	Sattin	Consorzio RFX
15. Hongxuan	Zhu	Princeton Plasma Physics Lab
16. Tara	Ahmadi	University of Tokyo
17. Joshua	Burby	Los Alamos National Laboratory
18. Dimitrios	Kaltsas	International Hellenic University
19. Francesco	Pegoraro	University of Pisa
20. Yasushi	Ono	University of Tokyo
21. Kiori	Obuse	Okayama University
22. William	Barham	University of Texas at Austin
23. Young Dae	Yoon	Asia Pacific Center for Theoretical Physics
24. Jian	Liu	USTC
25. PUNIT	KUMAR	University of Lucknow
26. Seiki	Saito	Yamagata university
27. Hiroshi	Tanabe	University of Tokyo
28. Moe	Akimitsu	QST
29. Byungjun	Kang	National Institute for Fusion Science
30. Robert	Dewar	Australian National University
31. Sano	Takayoshi	Osaka University
32. Shunsuke	Usami	National Institute for Fusion Science
33. Haiyang	Fu	Fudan University
34. Ding	Li	ASIPP
35. Camilla	Bressan	Università degli Studi di Milano-Bicocca
36. Jagannath	Mahapatra	Institute for Plasma Research

On Nonlinear Scatterings between Drift Waves and Toroidal Alfvén --  
 Formulation of a self-consistent reduced transport theory for --  
 Drift-kinetic perturbed Lagrangian for low-frequency nonideal MHD --  
 Heat flux regulation by kinetic instabilities  
 On the validity of quasilinear theory applied to the bump-on-tail instability  
 Linear response function of turbulence and its time scale  
 Shock identification and classification in MHD turbulence  
 Island-induced transport barrier due to turbulence-driven Vortex-Flow  
 On the Grad conjecture in anisotropic MHD  
 Hall magnetohydrodynamics in relativistically strong mean magnetic field  
 Extended magnetohydrodynamic approach to plasma-vacuum interface  
 Clebsch representation and generalized enstrophy for relativistic plasma  
 Hamiltonian formulations of quasilinear theory for magnetized plasmas  
 Thresholdless stochastic particle heating by a single wave: --  
 Intrinsic toroidal rotation in tokamaks from global total-f gyrokinetic --  
 2D MHD simulation of intermittent merging operation of spherical --  
 Mean field theory for intense light-matter interactions in high energy --  
 Construction of chaotic and integrable equilibria for a hybrid Vlasov --  
 Kinetic closure with a charged disk model  
 Merging of toroidal plasmas for high-power ion heating, plasma flow- --  
 Formation of zonal flow and Rossby wave nonlinear interactions in --  
 On a self-consistent Hamiltonian model of the ponderomotive force and --  
 Relaxation process of fundamental magnetized plasma structures.  
 Structure Preserving Machine Learning for Plasmas  
 Turbulence and chaos in quantum plasma  
 Emission process of high rovibrational molecules from tungsten divertor --  
 Asymmetric structure formation of guide field reconnection in merging --  
 Multiple Blob Formation in Current Sheet of Merging Tokamak Plasmas  
 Gyrokinetic studies of electrostatic drift instability driven by fast ion --  
 Lagrange Multiplier Formulation of Ideal Magnetohydrodynamics (IMHD)  
 Richtmyer-Meshkov Instability in Magnetized Plasmas  
 Pseudo-Maxwellian and Ring Velocity Distributions in Magnetic Rec.--  
 Data-driven, multi-moment fluid modeling of Landau damping using --  
 Impact of magnetic field on the parallel resistivity  
 Use of Metriplectic Dynamics for Calculation of Equilibria  
 Force-free magnetic island coalescence instability and Shear flow effects



## Basic:

1. Taisei	Motomura	AIST
2. Rozina	Chaudhary	Lahore College of Women University
3. Atsushi	Okamoto	Nagoya University
4. Hong Yu	Chu	National Chung Cheng University
5. Yan	Feng	Soochow University
6. Aneeqa	Khan	The University of Manchester
7. Chengxun	Yuan	Harbin Institute of Technology
8. Ya-feng	He	Hebei University
9. Haruhisa	Nakano	National Institute for Fusion Science
10. Nami	Li	Lawrence Livermore National Laboratory
11. Aohua	Mao	Harbin Institute of Technology
12. Subir	Biswas	AIST
13. Rei	Kawashima	Shibaura Institute of Technology
14. Maryna	Bilokur	Australian National University
15. Akio	Sanpei	Kyoto Institute of Technology
16. Yuichi	Kawachi	Kyoto Institute of Technology
17. TIANCHAO	XU	PEKING UNIVERSITY
18. Qiuyue	Nie	Harbin Institute of Technology
19. Masaomi	Tanaka	Tohoku University
20. Swarnima	Singh	Institute for Plasma Research
21. Ankit	Dhaka	Institute for Plasma Research
22. Soumen	De Karmakar	Institute for Plasma Research
23. Koichi	Kan	Osaka University
24. Yong Un	Nam	Korea Institute of Fusion Energy
25. ZHANG	Ling	ASIPP
26. Suruj	Kalita	Institute for Plasma Research
27. Supratik	Banerjee	IIT- Kanpur
28. Mikhail	Shneider	Princeton University
29. Sedina	Tsikata	Georgia Institute of Technology
30. Weixing	Wang	Princeton Plasma Physics Laboratory
31. Jose Tito	Mendonca	University of Lisbon
32. Mayur	Kakati	Centre of Plasma Physics-IPR, Sonapur
33. Sanat	Tiwari	Indian Institute of Technology Jammu
34. Ramesh	Narayanan	Indian Institute of Technology Delhi
35. YUTARO	NAKAJIMA	Kyoto Institute of Technology
36. Naomichi	Ezumi	University of Tsukuba

## Applied:

1. Anne Mai-Prochnow		University of Sydney
2. Suresh C. Sharma		Delhi Technological University
3. Tomohiro Nozaki		Tokyo Institute of Technology
4. Kazunori Takahashi		Tohoku University
5. Ruoyu Han		Beijing Institute of Technology
6. Yangyang Fu		Tsinghua University
7. Weizong Wang		Beihang University
8. Yu Zheng		Wuhan University
9. Wenjun Ning		Sichuan University
10. Hao Zhang		Xi'an Jiaotong University
11. Shinji KAMBARA		Gifu University
12. Yan Mi		Chongqing University
13. Hao Zhang		Zhejiang University
14. Wenfu Wei		Southwest Jiaotong University
15. Xiaoxing Zhang		Hubei University of Technology
16. Mohammad I Hasan		University of Liverpool
17. Zhengshi Chang		Xi'an Jiaotong University
18. Li Guo		Xi'an Jiaotong University
19. Yuan Gao		Institute of Electrical Engineering, CAS
20. De-Zheng Yang		Dalian University of Technology
21. Kotaro Yamasaki		Hiroshima University
22. Linlin Zhong		Southeast University
23. Yasunori Tanaka		Kanazawa University
24. He-Ping Li		Tsinghua University
25. Su-Rong Sun		Beihang University
26. Li Lin		George Washington University
27. Magdaleno Jr Vasquez		University of the Philippines Diliman
28. Ram Prakash		IIT - Jodhpur
29. Zheng Zhao		Xi'an Jiaotong University
30. Toshiro Kaneko		Tohoku University
31. Qiang Chen		Xiamen University
32. Shaojun Xu		Hefei University of Technology
33. Boya Zhang		Xi'an Jiaotong University
34. Deepak Prasad Subedi		Kathmandu University
35. Takayuki Watanabe		Kyushu University
36. Yifei Wu		Xi'an Jiaotong University
37. Naho Itagaki		Kyushu University

Suppression of substrate temperature by balanced magnetron plasma --  
 Signatures of quantum effects on the nonlinear Landau damping of --  
 Volumetric recombination of high density plasma in converging field --  
 A 10-cm long atmospheric pressure filamentary discharge produced in --  
 Dynamical crossover from liquid to gas-like state in dusty plasmas  
 Development of Tungsten Diamond Composites for Nuclear Fusion --  
 The nonlinear dynamic behaviors in an undriven direct current glow --  
 Experimental observation of bi-dispersed microsphere separation in --  
 Basic research on negative ion source for fusion using FA, RF and hybrid -  
 SOL Width Expansion driven by Fluctuation Energy Intensity Flux  
 Three-dimensional reconnection studies for SPERF-AREX experiments  
 Investigation of Ionization Instability in a Linear Plasma Device  
 Numerical Analysis of the Gradient Drift Instability and its Control in --  
 High entropy alloys in advanced nuclear applications  
 Estimation of three-dimensional emissivity distribution with multi- --  
 Observation of spatiotemporal dynamics of high-wavenumber turbulence -  
 Investigation of inward particle flux formation in the PKU Plasma --  
 Introduction to SESRI-SPERF, Fundamental Design and Research  
 Heavy element atomic data for multi-messenger observations of neutron --  
 Breaking the Hexagonal Lattice Barrier: Experimental Achievement of --  
 Spontaneous Fluctuations of Densities in Strongly Coupled Complex --  
 Dynamical Phase Transitions in Active Complex Plasma  
 Ultrafast observation of the Lorentz contraction around a relativistic --  
 Interferometer Systems on KSTAR  
 Recent Progress on high-Z impurity diagnostics development and --  
 3D Molecular Dynamics Simulation of Dust Charge Dynamics in --  
 A new universal mechanism for the turbulent relaxation in incompressible-  
 Dynamic Plasma Contraction of the Weakly Ionized Non-Equilibrium --  
 Insights into electron drift dynamics in low-temperature magnetized --  
 On plasma self-driven current in the context of tokamak steady state --  
 Photon Acceleration Revisited  
 Studies on the retarded recrystallization of tungsten in the CPP-IPR --  
 Kinetic modelling of Rayleigh-Taylor instability and turbulent mixing --  
 The effect of magnetic field configurations in ion beam generation using --  
 Macroscopic deformation via gyro-motion in electrically non-neutral --  
 Development of High Density and Large Diameter Plasma Sources in --

The importance of cold plasma-generated short-lived reactive species, --  
 The influence of plasma parameters on device characteristics of --  
 Elucidating plasma-surface interaction mechanism for CO<sub>2</sub> conversion--  
 Magnetic nozzle rf plasma thruster: performance improvement --  
 Single-step synthesis of advanced nanomaterials with adjustable --  
 Microplasma interacting with complex surfaces  
 Particle modelling of a miniature neutralizer-free radio-frequency --  
 Insulation characteristics of eco-friendly insulating gas with potential--  
 Atmospheric pressure plasma jet for surface treatment: a simulation --  
 Tumor exosome-based cancer therapy driven by cold atmospheric plasma  
 Plasma membrane reactor for pure hydrogen production from ammonia  
 Preparation of BN/EP Composites with High Breakdown Strength --  
 Gliding arc plasma-assisted CO<sub>2</sub> conversion: Unlocking the efficiency  
 Improving the carbon-matrix composites performance by self-assembly --  
 Study on the effect of active gases on the degradation of SF<sub>6</sub> by dielectric -  
 Transport Processes in Plasma Activated Droplets  
 Characteristics, parameters and application of typical non - thermal plasma  
 Efficient inactivation of the contaminated microorganisms by --  
 Investigation of synergic response on low temperature plasma catalytic --  
 The degradation of high salt organic wastewater by the synergy --  
 Development of large channel diameter plasma window using indirectly --  
 Application prospect of AI-driven differentiable plasma modeling  
 Spatio-Temporal Control of Thermofluid Field by Tandem Modulated --  
 Applications of the "Energy Tree" Concept in Active Control of --  
 Investigation of aerothermodynamic characteristics based on ---  
 Multi-scale mapping between the control parameter space and a cold --  
 Deposition of transparent conducting oxide thin films using pressed --  
 Non-equilibrium cold plasma technologies for health and agricultural --  
 Streamer discharge instabilities under repetitive nanosecond pulses  
 Gas-liquid interfacial plasmas: Controlled generation of reactive species --  
 Synthesis of metal nanoparticles from DC discharge plasmas insider a --  
 Non thermal plasma with metal-organic frameworks (MOFs) for --  
 Electron Swarm Parameters and Electron-Neutral Collision Cross- ---  
 Germination Enhancement of Mustard Seeds Through Dielectric Barrier -  
 Innovative Thermal Plasma Processing for Nanomaterials Synthesis  
 Vacuum arc erosion behavior in hybrid DC interruption  
 Fabrication of ZnO based transparent conducting oxides by sputtering --



38. K.	Jayasankar	CSIR
39. Xuekai	Pei	Wuhan University
40. Shinichi	Tashiro	Osaka University
41. Anbang	Sun	Xi'an Jiaotong University
42. Pankaj	Attri	Kyushu University
43. Zhaolu	Cui	South China University of Technology
44. Qianhong	Zhou	IAPCM
45. Quan-Zhi	Zhang	Dalian University of technology
46. Kai	Zhao	Dalian University of technology
47. Shinya	Kumagai	Meijo University
48. Xiaolong	Huang	Sichuan University
49. Thi-Thuy-Nga	Nguyen	Nagoya University
50. Zhenbing	Luo	National University of Defense Technology
51. Yang	Cao	Technion - Israel Institute of Technology
52. Kunihiro	Kamataki	Kyushu University
53. Takamasa	Okumura	Kyushu University
54. Qing	Yang	Chongqing University
55. Y. Subramaniam		Pondicherry University
56. Jungmi	Hong	The University of Sydney
57. Hom	Baniya	Tribhuvan University
58. Rajdeep Singh	Rawat	Nanyang Technological University
59. Uros	Cvelbar	Jozef Stefan Institute
60. Yeqi	Deng	Wuhan University

Large scale synthesis of zirconium carbide (ZrC) from zircon (ZrSiO<sub>4</sub>) --  
 Warm air plasma jet for nitrogen fixation coupled with heterogeneous --  
 Elucidation of arc coupling mechanism in plasma-MIG hybrid welding --  
 Advanced plasma model development and applications on streamer --  
 Catalase enzyme inhibition's effects on plasma medicine  
 Water-Promoted CO<sub>2</sub> Hydrogenation to Ethanol over Cu<sub>2</sub>O Catalyst --  
 Theoretical study on the ion acceleration mechanism in vacuum arc  
 Simulations of magnetized rf discharge based on 1D/2D PIC models  
 Effects of low-frequency voltage on nonlinear standing wave excitation --  
 Non-Thermal Atmospheric Pressure Plasma for Controlling Cell Fate  
 Anode Jet in High Current Vacuum Arc  
 Wet-like plasma for the next generation of atomic layer etching  
 Experimental Study on Hypersonic Flow control by using Plasma --  
 Ionization-assisted self-compression of an ultra-intense, ultra-short --  
 Development of Predictions of Optimal Plasma Processing Experimental -  
 Molecular transport analysis in irradiation of non-thermal equilibrium --  
 Discharge mechanism and mathematical physical model of AC air arc --  
 Submerged Thermal Plasma for Effective Degradation of Antibiotic --  
 Green chemical pathway of N<sub>2</sub> fixation: Perspectives from plasma --  
 Generation and Characterization of Cold Atmospheric Pressure Plasma --  
 Low temperature plasma based anti-fogging and anti-fingerprinting --  
 Design of advanced nanoplasmonic sensors  
 Characteristics of corona discharge on blade tip and its impact on streamer

### Laser:

1. DN GUPTA		University of Delhi
2. Yin	Shi	USTC
3. Hui	Zhang	SIOM
4. Weimin	Wang	Renmin University of China
5. Dong	Wu	Shanghai Jiao Tong University
6. Kaoru	Sugimoto	Osaka University
7. Yuki	Abe	Osaka University
8. Kentaro	Tomita	Hokkaido University
9. Woosuk	Bang	GIST
10. Vishwa	Bandhu Pathak	Vellore Institute of Science and Technology
11. Jiahao	Wang	Hiroshima University
12. Zechen	Lan	Osaka University
13. Minseok	KIM	Pohang Accelerator Laboratory (PAL)
14. Yongli	Ping	Beijing Normal University
15. Vikrant	Saxena	Indian Institute of Technology Delhi
16. Kohei	YAMANOI	Osaka University
17. Qing	Jia	USTC
18. Zhi-Meng	Zhang	Laser Fusion Research Center
19. Aurelien	Houard	Ecole Polytechnique
20. Wei	Qi	Laser Fusion Research Center
21. Raoul	Trines	STFC Rutherford Appleton Laboratory
22. Ke	Jiang	Shenzhen Technology University
23. Ha-Na	Kim	Korea Atomic Energy Research Institute
24. Kyungnam	Kim	Korea Electrotechnology Research Institute
25. Tao	Tao	USTC
26. Youichi	Sakawa	Osaka University
27. Ming	Zeng	Institute of High Energy Physics, CAS
28. Cedric	Thaury	Institut Polytechnique de Paris
29. Kazumasa	Takahashi	Nagaoka University of Technology
30. Shuta	Tanaka	Aoyama Gakuin University
31. Shinsuke	Fujioka	Osaka University
32. Shunsuke	Yamada	Kansai Photon Science Institute, QST
33. Yasuhiro	Miyasaka	QST
34. Taiwu	Huang	Peking University
35. Nobuhiko	Nakanii	Kansai Photon Science Institute, QST
36. Masayasu	Hata	Kansai Photon Science Institute, QST

Controlled and Optimized Electron Bunch Generation from Laser Wake--  
 Efficient generation of axial magnetic field by multiple laser beams with -  
 SULF laser-driven proton acceleration  
 Polarized positrons generation and QED-induced laser opacity in --  
 The role of quantum degeneracy in double-cone-ignition inertial --  
 Numerical modeling of GeV positron generation in relativistic --  
 A multi-channel scintillation counter for GeV-scale multi-species ion --  
 Measurements of electron density, electron temperature, and velocity --  
 Laser fusion study at GIST  
 All-optical control on acceleration length to optimize laser wakefield --  
 Development of laser-produced Au plasma for water window x-ray --  
 Neutron resonance spectroscopy using a single pulse of laser-driven --  
 Laser-plasma accelerator research at PAL  
 Turbulent magnetic reconnection generated by intense lasers and --  
 Proton/ion acceleration using laser irradiation of micro-structured targets  
 Fabrication of copper containing deuterated material target for laser --  
 Plasma-based generation and application of intense vector beams  
 Experimental studies on the electron acceleration and positron ---  
 Laser-guided lightning using kHz filamentation at 1030 nm  
 Experiment research progress of the short-pulse laser driven neutron --  
 Laser harmonic generation: a beat wave on steroids  
 Branched flows in high-energy-density physics  
 Generation of nonthermal ion beams from layered targets irradiated by --  
 Medical application of high energy electron beams accelerated --  
 Machine learning assisted pulse shaping for double cone ignition --  
 Ion acceleration in a high-intensity laser-driven collisionless shock  
 Recent progresses of plasma wakefield acceleration studies at IHEP  
 Laser-Plasma Acceleration Beyond the Diffraction and Dephasing Limits  
 Effect of applying solenoidal magnetic field on laser ion source  
 Proof-of-principle experiment of induced Compton scattering: a --  
 Recent progress of experimental studies on fast-ignition inertial fusion --  
 First-principles calculations for ultrafast and nonlinear dynamics of light --  
 Optically parametric chirped-pulse amplification pumped by optically --  
 Transport of high-current relativistic electron beam in plasmas and its --  
 Pointing stabilization and control of an electron beam produced via laser --  
 Estimation of laser parameters for generating enough number of energetic-

### Space/Geomagnetism:

1. Zheng	Wang	National Space Science Center, CAS
2. Lianghai	Xie	National Space Science Center, CAS
3. Tianran	Sun	National Space Science Center, CAS
4. Kai	Huang	USTC
5. Yangguang	Ke	USTC
6. Jicheng	Sun	Polar Research Institute of China
8. Lei	Wang	Institute of Geology and Geophysics, CAS
9. Remya	Bhanu	Indian Institute of Geomagnetism
10. Rongsheng	Wang	USTC
11. Kazuo	Yoshioka	University of Tokyo
12. Xiaoyi	Yang	Harbin Institute of Technology
13. Haruhiko	Saito	University of Tokyo
14. Ryuya	Ikezo	Kyushu Univ.

Relative Factors of Ionospheric Plasma Irregularities Corresponding to --  
 Multi-fluid MHD studies of the magnetic flux ropes in un-magnetized --  
 Solar wind charge exchange soft X-Ray Emissions in the Magnetosphere -  
 Auroral spiral structure formation through magnetic reconnection in the --  
 Effects of density modulation on nonlinear interactions between radiation--  
 Excitation of magnetosonic waves in the Earth's dipole magnetic field: 3D-  
 Magnetic reconnection and flux rope in the Martian magnetotail current --  
 Understanding storm time dynamics of Electromagnetic Ion Cyclotron --  
 Turbulent magnetic reconnection in the solar wind  
 The radial plasma transports in Jupiter's inner magnetosphere seen by --  
 Introduction to the experimental capabilities of the SPERF-DREX device--  
 Injection and trapping of pulsed positrons in dipole magnetic field toward--  
 Diagnosing fast electrons interacted with kinetic waves on spherical --



15. Kazushi Asamura	ISAS/JAXA
16. Satoko Nakamura	Nagoya University
17. Tomotsugu Yamakawa	University of Tokyo
18. Naritoshi Kitamura	ISEE, Nagoya Univ.
19. Makoto Sasaki	Nihon Univ.
20. Shreekrishna Tripathi	UCLA
21. Rajkumar Hajra	USTC
22. Ajeet Maurya	Babasaheb Bhimrao Ambedkar University
23. Andrew Hillier	University of Exeter
24. Honghong Wu	Wuhan University
25. David Pontin	University of Newcastle
26. Yi-Kai Hsieh	Kyoto University
27. Kun-Han Lee	Institute of Earth Sciences, Academia Sinica
28. Chun-Sung Jao	National Cheng Kung University
29. Kostas Tziotziou	National Observatory of Athens
30. Abraham Chian	National Institute for Space Research (INPE)
31. Rongxin Tang	Nanchang University
32. Nouman Sarwar	GC University Lahore
33. Masafumi Shoji	Nagoya University
34. Owen Roberts	Space Research Institute, AAS
35. Narayan Chapagain	Tribhuvan University

### Solar/Astro:

1. Hechao Chen	Yunnan University
2. Xiaoshuai Zhu	National Space Science Center, CAS
3. Xiaohong Li	KU Leuven
4. Ying Li	Purple Mountain Observatory, CAS
5. Francesco Pecora	University of Delaware
6. Ramesh Chandra	University of Kumaun
7. Stephane Mazevet	Université Côte d'Azur
8. Michel Koenig	Ecole Polytechnique
9. Daniela Grasso	CNR
10. Wenzhi Ruan	KU Leuven
11. Sara Tomita	Tohoku University
12. Takato Tokuno	The University of Tokyo
13. Lingling Zhao	University of Alabama in Huntsville
14. Guiping Ruan	Shandong University
15. Tushar Mondal	ICTS-TIFR
16. Hui Li	Los Alamos National Laboratory
17. Siming Liu	Southwest Jiaotong University
18. Peera Pongkitiwanichakul	Kasetsart University
19. Yuandeng Shen	Yunnan Observatories, CAS
20. Wei Su	Sun Yat-sen University
21. Yuta Asahina	University of Tsukuba
22. JinLin Han	NAO, CAS
23. LiGang Hou	NAO, CAS
24. Jin Matsumoto	Keio University
25. Ruisheng Zheng	Shandong University
26. Dong Li	Purple Mountain Observatory, CAS
27. Eun-Kyung Lim	Korea Astronomy and Space Science Institute
28. Jiro Shimoda	The University of Tokyo
29. Daisei Abe	Nagoya University
30. Kengo Tomida	Tohoku University
31. Fan Guo	Los Alamo National Laboratory
32. Stefaan Poedts	KU Leuven
33. Simon Daley-Yates	University of St Andrews

### Magnetic Fusion-1(Core&Edge):

1. Mikhail Gryaznevich	Tokamak Energy Ltd
2. Hiroshi Gota	TAE Technologies, Inc.
3. Huishan Cai	USTC
4. Liming Yu	Southwestern Institute of Physics
5. Wei Zhang	ASIPP
6. Ruirui Ma	Southwestern Institute of Physics
7. Shuyu Dai	Dalian University of Technology
8. Guangzhou Hao	Southwestern Institute of Physics
9. Shaocheng Liu	ASIPP
10. Guanqi Dong	Southwestern Institute of Physics
11. Long Zeng	Tsinghua University
12. Li Li	Donghua University
13. Massimo Nocente	University of Milano-Bicocca
14. Jianwen Liu	ASIPP
15. Anshu Liang	Southwestern Institute of Physics
16. Valerian Hall-Chen	Agency for Science, Technology and Research
17. Ming Xu	ASIPP

Direct measurement of energy transfer from magnetosonic waves to --  
 Role of the rising-tone EMIC waves in variations of the Earth's radiation--  
 Global drift kinetic simulations of internally-driven ULF waves in the --  
 Direct observations of energy transfer from resonant electrons to --  
 Roles of phase space turbulence related to zonal flows in magnetically --  
 Proton beam destabilized Alfvén waves and ion cyclotron emission on --  
 High-intensity long-duration continuous auroral electrojet (AE) activity--  
 Ionospheric total electron content variation along the annularity path --  
 Theory and observation of plasmoid-modulated magnetic reconnection  
 Scaling features in the two inertial subranges of solar wind turbulence  
 Magnetic reconnection: Theory and modelling for space and astrophysical--  
 Electron Precipitation Processes due to Oblique Chorus Emissions  
 Electron density and magnetic field turbulence spectra in the very local --  
 Simulating Multi-Needle Langmuir Probe Instrument Performance for --  
 Small-scale vortices in solar plasmas and their dynamics  
 Magnetic reconnection driven by merging of magnetic flux ropes/tubes in--  
 Modeling of hiss wave distribution in the inner magnetosphere and its --  
 Low frequency electromagnetic waves and corresponding ion velocity--  
 Study on nonlinear interactions between EMIC waves and ions in the --  
 Compressive nature of space plasma turbulence: state-of-the-art  
 Ionospheric Plasma Anomaly Using GPS TEC Measurements Over Nepal

Detection of Flare-induced Plasma Flows in the Corona of a dMe star EV--  
 Extrapolating the solar magnetic field as a magnetohydrostatic equilibrium  
 Coronal rain: plasma circulation in the solar corona  
 A white-light solar flare heated by a comprehensive mechanism  
 Multipoint Turbulence Analysis with Helioswarm  
 Solar coronal mass ejections related to Extreme-Ultraviolet Wave and --  
 Coupling Planetary and Ecosystem Modeling to Assess Habitability and--  
 Magnetized Radiative shocks: their role in global evolution of interstellar--  
 Current and vorticity sheets disruption in collisionless plasma turbulence  
 MHD turbulence formation in solar flares: 3D simulation and synthetic --  
 Magnetic field amplification driven by relativistic shock-clump interaction  
 Transition of latitudinal differential rotation as a possible cause of --  
 Single and Multispacecraft Observations of Solar Wind Turbulence:--  
 Observational study of intermittent solar jets with the Good Solar telescope  
 A unified framework of mean-field dynamo and angular momentum --  
 Mergers of stellar mass binary black holes in disks around supermassive--  
 Status and Latest Results from LHAASO  
 PIC Simulations of Perpendicular and Parallel Piston-Driven Shock --  
 Advances on the Study of Coronal Extreme Ultraviolet Waves  
 The Impact of Solar – Terrestrial Plasma and Magnetic Field on the --  
 Global Radiation Magnetohydrodynamic Simulations of Precessing Disk--  
 New details of interstellar medium revealed by the FAST Galactic Plane--  
 Peering into the Milky Way by FAST: Ionized gas in the Galactic disk --  
 Dependence of the magnetic field and rotation on the explosion --  
 Why “solar tsunamis” rarely leave their imprints in the chromosphere  
 Flare quasi-periodic pulsations detected in multiple wavelengths  
 Dynamical and Thermal Properties of RBEs and RREs derived from Fast--  
 On the Long-Term Evolution of Our Galaxy: Importance of the Diffuse --  
 Growth of Massive Molecular Filament by Accretion Flows: Origin of --  
 Cosmic rays in star and disk formation processes  
 Nonthermal Particle Acceleration in Magnetic Reconnection from --  
 Advanced flux-rope CME models in EUHFORIA  
 Stellar Prominences and the Mass-Loss of Cool Stars

Spherical Tokamak path to Fusion – History and the Next Step  
 TAE Technologies' Fusion Program Overview  
 The interaction between energetic particles and tearing mode  
 Experimental Observation of Low-frequency MHD Instabilities Driven --  
 Experimental and numerical investigation of ICRF induced turbulence--  
 Theoretical studies of low-frequency Shear Alfvén waves in reversed --  
 Evaluation of edge transport and core accumulation of tungsten for --  
 Effect of global field perturbations on fast ion redistribution and losses in--  
 Edge plasma transport in three-dimensional magnetic topology  
 Toroidal modelling of interactions between internal kink instability and --  
 Dynamics of Runaway Electron Generation and Loss in Tokamaks  
 Linear and quasi-linear toroidal modeling of resonant magnetic --  
 First-time demonstration of the three-ion scheme for radio-frequency--  
 Breaking of ion temperature clamping in EAST electron-heated H-mode--  
 Role of  $E \times B$  velocity shear for triggering the I-mode and ion ITB on the--  
 Feasibility study on using Doppler backscattering measurements to infer--  
 MHD and energetic ions instabilities related to the formation of ITBs in--



18. Manni	Jia	ASIPP
19. Chenxi	Luo	ASIPP
20. Oleg	Krutkin	EPFL-SPC
21. Jae-Min	Kwon	KFE
22. Anders Henry Nielsen		Technical University of Denmark
23. Choongki	Sung	KAIST
24. Takashi	Nishizawa	Kyushu University
25. Hao	WANG	National Institute for Fusion Science
26. Sophie	Gorno	Ecole Polytechnique Federale de Lausanne
27. Kevin	Verhaegh	United Kingdom Atomic Energy Authority
28. Naoto	Tsujii	The University of Tokyo
29. Zongyu	Yang	Southwestern Institute of Physics
30. Jesús Domínguez-Palacios		University of Seville
31. Mate	Lampert	Princeton Plasma Physics Lab
32. Kiyofumi	Mukai	National Institute for Fusion Science
33. Neng	Zhang	Southwestern Institute of Physics
34. Gen	Motojima	National Institute for Fusion Science
35. Ryo	Yasuhara	National Institute for Fusion Science
36. Shiyong	Zeng	USTC
37. Yiren	Zhu	Southwestern Institute of Physics
38. Toshiaki	Kinoshita	Kyushu University
39. Justin	Ball	SPC-EPFL
40. Jacobo	Varela	Universidad Carlos III de Madrid
41. Fuqiong	Wang	Donghua University
42. Hongming	Zhang	ASIPP
43. Wei	WANG	Southwestern Institute of Physics
44. Juan Ayllon-Guerola		University of Sevilla
45. Jozef	Ongena	LPP-ERM/KMS
46. Xiaodi	Du	General Atomics
47. Federico	Nespoli	Princeton Plasma Physics Laboratory
48. Alvaro Sánchez-Villar		Princeton Plasma Physics Laboratory
49. Chang	Liu	Princeton Plasma Physics Laboratory
50. Ryosuke	SEKI	National Institute for Fusion Science
51. Yuki	Takemura	National Institute for Fusion Science
52. Mingkun	HAN	Southwestern Institute of Physics
53. Lunan	Liu	ASIPP
54. Youngmu	Jeon	Korea Institute of Fusion Energy
55. Hyun-Seok	Kim	Korea Institute of Fusion Energy
56. Pengjun	Sun	ASIPP
57. Volodymyr Mykhaylenko		Pusan National University
58. Yong-Seok Hwang		Seoul National University
59. Linzi	Liu	Southwestern Institute of Physics
60. Annika	Ekedahl	CEA, IRFM
61. Jeff	Lestz	General Atomics
62. Yueng-Kay Martin Peng		ENN
63. Jayhyun	Kim	Korea Institute of Fusion Energy
64. John	Berkery	Princeton Plasma Physics Laboratory
65. Naoki	Kenmochi	National Institute for Fusion Science
66. Jianyuan	Xiao	USTC
67. Rui	Ding	ASIPP
68. Shuji	Kamio	University of California, Irvine
69. Jason	Parisi	Princeton Plasma Physics Laboratory
70. Evdokiya	Kostadinova	Auburn University

Demonstration of divertor stationary heat flux control during RMP ELM--  
 Study of beta-induced Alfvén eigenmodes driven by runaway electrons in--  
 Validation of short pulse reflectometry diagnostic turbulence --  
 Development of digital twin technologies for fusion research  
 Numerical investigation of isotope transport scaling and its relation to --  
 Linear and Nonlinear Verification of GENE and CGYRO with the L- --  
 Estimation of parameter profiles and their derivatives from arbitrary --  
 Nonlinear excitation of energetic-particle-driven geodesic acoustic mode--  
 Experimental study and interpretative modelling of the power exhaust in--  
 Improved understanding and performance of power exhaust of alternative--  
 Studies of non-inductive tokamak plasma start-up with various lower--  
 PFNN: Less data and better performance on disruption prediction via --  
 First MHD stability analysis of the SMall Aspect Ratio Tokamak --  
 Evolution of intermittent filaments in the scrape-off layer of NSTX  
 Revealing relation between toroidally asymmetric radiation distribution--  
 Toroidal modeling of plasma flow damping and density pump-out by --  
 High neutral particle pressure in the divertor section by volume --  
 The fast Thomson scattering for a transient electron temperature and --  
 The impurity modulation of plasma current spike and poloidal rotation--  
 Simulations on edge localized modes mitigation with impurity seeding in--  
 Turbulence transition in magnetically confined hydrogen-deuterium --  
 Insights into a negative triangularity reactor from EUROfusion's TSVV 2  
 Shear flows induced by Alfvén Eigenmodes and energetic particle modes--  
 SOLPS-ITER modeling of edge plasma and impurity transport in EAST  
 Study of tungsten transport and suppression in EAST Tokamak  
 Long Time-scale dynamics of E×B staircase in flux-driven gyro-kinetic--  
 EUROfusion Machine Enhancements for the JT-60SA Tokamak  
 Overview of the design and first experimental results of the ICRH system--  
 Visualization of fast ion phase-space flow in plasmas below, near, --  
 Improved plasma performances via low-Z powder injection in the Large--  
 Real-time predictions of ICRF power absorption profiles via machine --  
 Simulation of Compressional Alfvén Eigenmodes in Tokamak Disruptions--  
 Orbit-following simulations of fast-ion transport and losses due to the --  
 Parity transition of MHD fluctuations in helical plasmas  
 Impurity Mode Induced Turbulent Transport in Tokamak Plasmas  
 First observation of ion cyclotron emission during low hybrid waves and --  
 First Demonstration of Stationary I-Mode Operation with Hot-Ion Core in--  
 Development of High-performance Long-pulse Scenario and Investigation--  
 Study of Multi-Scale Turbulence in the Core of Electron-Heating --  
 Kinetic theory of the nondiffusive convective flows, generated in the --  
 Can we build a compact high performance fusion reactor with high power--  
 Identification of core ion cyclotron instabilities on HL-2A  
 First results from operating an ITER-grade divertor in the full tungsten--  
 Linear stability analysis of high frequency Alfvén eigenmodes in MAST--  
 p-11B Spherical Torus Plasma Physics Research Vision, Progress, --  
 Overview of KSTAR research towards DEMO  
 Density Limits as Disruption Forecasters for Spherical Tokamaks  
 Fast response of turbulence and heat pulses to thermal perturbations  
 Structure preserving Particle-in-Cell scheme and its applications on--  
 Tungsten impurity screening and its control using different gas injection --  
 Observation of fast ion profile stiffness due to the Alfvén eigenmode  
 A gyrokinetic model for pedestal width-height scaling across aspect ratio  
 Anomalous electron diffusion in magnetized plasma with magnetic islands-

## Magnetic Fusion-2(Organized Session):

1. Yusuke	Kosuga	Kyushu University
2. Tatsuya	Kobayashi	National Institute for Fusion Science
3. Walter	Gekelman	University of California, Los Angeles
4. Guilhem	Dif-Pradalier	CEA Cadarache
5. Emi	NARITA	QST Naka Institute
6. Haewon	Shin	Korea Atomic Energy Research Institute
7. Hiroaki	Nakamura	National Institute for Fusion Science
8. Jong Yoon	Park	Seoul National University
9. Itsuki	Sakon	Tokyo University
10. Feiyue	Mao	HUST
11. Koichi	Matsuo	Hiroshima University
12. Michiaki	Inomoto	The University of Tokyo
13. Hiroshi	Hasegawa	Institute of Space and Astronautical Science
14. Shinsuke	Imada	The University of Tokyo
15. Yu	Xu	Donghua University
16. Xiao	Bingjia	ASIPP
17. Kazuhiro	Yamamoto	University of Tokyo
18. Y	Todo	NIFS
19. William	Heidbrink	University of California Irvine
20. Siqi	Zhao	Deutsches Elektronen Synchrotron DESY
21. Yuichi	Otsuka	Nagoya University

A review of phase-space turbulence: why it is important  
 Phase-space tomography for charge exchange recombination spectroscopy  
 Electron hole experiment on basic experiment  
 Recent progress on GYSELA turbulence simulation  
 Convolutional neural network models for forecasting heat fluxes --  
 Toward a universal understanding of plasma, light-matter interaction in--  
 Toward a universal understanding of plasma, light-matter interaction in--  
 Ion heating during non-inductive plasma startup and sustainment in VEST  
 Toward a universal understanding of plasma, light-matter interaction in--  
 Role of the multiple mode interaction on the excitation of 2/1 tearing --  
 Toward a universal understanding of plasma, light-matter interaction in--  
 Transformation of energy conversion by active control of in-plane electric--  
 Magnetic reconnection and its related events in magnetized plasmas  
 Magnetic Reconnection in the Solar Atmosphere: Future Plans for Solar--  
 Toward a universal understanding of plasma, light-matter interaction in--  
 AI applications on EAST for plasma control  
 Excitation of ULF waves and transport of plasma through wave-particle--  
 Simulations of energetic-particle driven Alfvén eigenmodes in --  
 Alfvén eigenmodes in toroidal laboratory plasmas  
 Multi-spacecraft Observations of the Alfvénic Transition from Weak to--  
 GNSS observations of traveling ionospheric disturbances in the ionosphere



22. Hiroe	Igami	National Institute for Fusion Science	Observation of non-thermal emissions between ion cyclotron and electron-
23. Yoshizumi	Miyoshi	Nagoya University	In-situ observations of distribution function and plasma waves by the--
24. Donguk	Song	Korea Astronomy and Space Science Institute	Overview and observation results of the CLASP2 suborbital space ---
25. Jaehong	Park	Korea Institute for Advanced Study	Probing the Epoch of Reionization through the cosmic 21-cm signal
26. Motoshi	Goto	National Institute for Fusion Science	Electron temperature anisotropy for magnetically confined fusion plasma
27. Nobuyuki	Nakamura	The University of Electro-Communications	Spectroscopy of highly charged ions with an electron beam ion trap
28. Izumi	Murakami	National Institute for Fusion Science	Spectroscopic study of tungsten ions in LHD
29. Dario	Mitnik	ASIPP	Why atomic physics calculations are still a challenge: examples from --
30. Kyoungun	Yoo	Institute for Basic Science	EBIS charge breeder producing highly charged ions for RAON facility
31. Yang	Yang	Fudan University	Laboratory measurement of FeX MIT effect for coronal magnetic field--
32. Koichi	Sasaki	Hokkaido University	Laser-induced breakdown spectroscopy based on thermodynamic--
33. Shusuke	Nishiyama	Japan Healthcare University	Evaluation of metastability of atomic hydrogen 2S level by laser--
34. Shinji	Yoshimura	National Institute for Fusion Science	Exploiting laser-induced fluorescence method with a single optical path--
35. Cong	Li	Dalian University of Technology	Laser ablation plasma and its application for elemental analysis
36. Sanghoo	Park	KAIST	The nonlinear effect of gas flow on metastable helium in a kHz-driven--
37. Li	Li	Pekin Univ.	Drift Bounce Resonance Between Charged Particles and Ultralow--
38. Churchill	Michael	Princeton Plasma Physics Laboratory	Review on ML/AI with application examples to (magnetic) fusion plasmas
39. Jaemin	Seo	Chung-Ang University	A novel tokamak plasma control method using reinforcement learning

### [17] Satellite Workshop/Symposium

- 1) Women in Plasma Physics Workshop: 11.13 (Monday) 19:00-20:00 at Room 3
- 2) If you want to organize WS on Sunday, please contact M. Kikuchi([aapps.dpp.ceo@gmail.com](mailto:aapps.dpp.ceo@gmail.com)).
- 3) Presentation at satellite WS do not apply "one-oral" rule.

## Mini-Workshop for Women in Plasma Physics (WIPP)

A Mini Workshop for Women in Plasma Physics (WIPP) will be held as part of the Association of Asia Pacific Physical Societies - Division of Plasma Physics (AAPPS-DPP) international conference at Port Messe Nagoya, Japan on Monday 13<sup>th</sup> of November 2023.

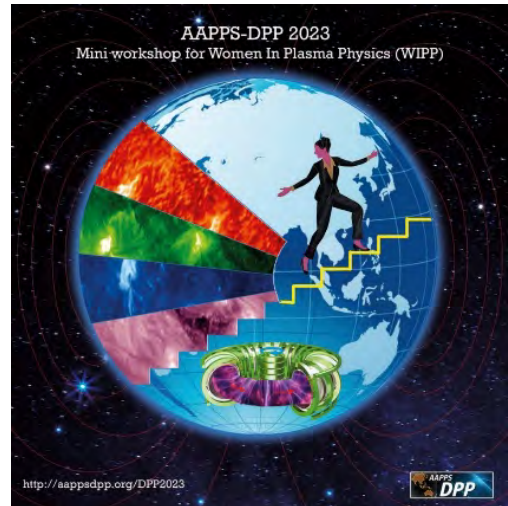
Women are excellent contributors to diverse fields of Plasma Physics, but they often face different challenges. The Mini-Workshop WIPP-AAPPS-DPP provides a platform for women scientists to discuss and share their journey. The workshop aims to understand the issues that women scientists and researchers face while pursuing their careers. It will discuss women's obstacles and problems, how they are overcome, and what can be done to motivate their participation in research, conferences, and workshops.

The workshop is open to everyone, but we encourage women participants of AAPPS-DPP to actively contribute as presenters/speakers or discussion participants. It will be a great networking event. Please submit your interest here: <https://protect-au.mimecast.com/s/zPrxCYW8NocDprVj1u0-fzJ?domain=forms.gle>

**Date and Time: Monday 13th November 2023, Time 19:00-21:00**

WIPP committee chair: Dr Anne Mai-Prochnow

Contact: [anne.mai-prochnow@sydney.edu.au](mailto:anne.mai-prochnow@sydney.edu.au)



## Mini-workshop on probing, controlling, and understanding wave-particle interactions in space and laboratory plasmas

**Organizer's name:** Yuto Katoh (Tohoku Univ., Japan)

**Preferred date and time:** November 12 (Sun) 13:00-16:00

**Number of participants:** <50

**Purpose:** This workshop aims to understand similarities/differences of (i) wave-particle interactions occurring in space and laboratory plasmas (WPIs), (ii) particle acceleration/heating in plasmas through WPIs, and (iii) artificial control method of WPIs. The latest issues related to WPIs in space and laboratory plasmas will be shared through oral presentations (given by invited speakers) and discussions with workshop participants.



**Fraud attempt to participants:** There were some phone calls and follow-up emails asking for credit card information for hotel accommodations to the speakers of past in-person conferences. Do not respond and ignore in case. It is fraud attempt.

## [18] Publication

AAPPS-DPP encourage publication of plenary and invited talks to our official journal Reviews of Modern Plasma Physics (RMPP) <https://www.springer.com/journal/41614> . Article types are general "Review", "Special Topics" focused on your/group works, "Tutorial" for introduction, "History", "Chandrasekhar Lecture", "Plasma Innovation Lecture". Contact RMPP chair (M. Kikuchi) for any question. RMPP is a hybrid journal with subscription access and open access options. No Publishing fee is required for subscription option while open access option requires publication charge.

According to Exaly, RMPP is high impact factor (=5.5) journal as of 2021.

(<https://exaly.com/journal/40760/reviews-of-modern-plasma-physics/?from=1970&to=2021> ), RMPP is now accepted in the Scopus index collection.

For original article, PFR(<http://aappsdp.org/DPP2023/html/6publications/publications.html> ) welcome submission.

## [19] AAPPS-DPP Prizes

### 19.1 2023 Subrahmanyan Chandrasekhar Prize of Plasma Physics

Selection of 2023 Chandrasekhar Prize of Plasma Physics is under way and the winner will give first plenary talk in this conference.

[https://www.aappsdp.org/DPP2023/html/materials/Nomination\\_Guidelines2023.pdf](https://www.aappsdp.org/DPP2023/html/materials/Nomination_Guidelines2023.pdf)

### 19.2 2023 Plasma Innovation Prize

Selection of 2023 Chandrasekhar Prize of Plasma Physics is under way and the winner will give first plenary talk in this conference.

[https://www.aappsdp.org/DPP2023/html/materials/AAPPS-DPP\\_InnovationPrize2023.pdf](https://www.aappsdp.org/DPP2023/html/materials/AAPPS-DPP_InnovationPrize2023.pdf)

### 19.3 AAPPS-DPP Young Researcher (U40) Award 2023

Nomination is under way and the winner will give a talk at this conference. Nomination deadline extended to June 15. Selection committee chair is Prof. Amita Das.

[https://www.aappsdp.org/DPP2023/html/materials/Call\\_for\\_AAPPS-DPP\\_Young\\_Res\\_Award2023.pdf](https://www.aappsdp.org/DPP2023/html/materials/Call_for_AAPPS-DPP_Young_Res_Award2023.pdf)

### 19.4 AAPPS-DPP U30 Doctoral Scientist / Student Award 2023

Nomination is under way and the winner will give a talk at this conference. Nomination deadline extended to June 15. Selection committee chair is Prof. Kunioki Mima.

[https://www.aappsdp.org/DPP2023/html/materials/Call\\_for\\_AAPPS-DPP\\_U30\\_Award\\_2023.pdf](https://www.aappsdp.org/DPP2023/html/materials/Call_for_AAPPS-DPP_U30_Award_2023.pdf)

### 19.5 AAPPS-DPP Poster Prize 2023

DPP is recognizing significant poster presentation at the annual conference as AAPPS-DPP Poster Prize since 2018 for both students and young/senior researchers. Selection committee will select number of significant posters. Winner will receive a certificate and a book gift (only limited number is available).





## [20] Committees

### International Organizing committee

IOC chair: Abhijit Sen (IN), IOC Co-chairs: Mitsuru Kikuchi (JP), Rajdeep S. Rawat (SG), Wonho Choe (KR), Yutong Li (CN),

**Plasma societies:** Karl Krushelnick (APS-DPP), Kristel Crombé (EPS-DPP), Ge Zhuang(CPS-DPP), Yasuhiko Sentoku (JPS-plasma), Dong-o JEON(KPS-DPP), Prabal K. Chattopadhyay (PSSI), Satoshi Yamamoto (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), Yasuhiko Takeiri (JSPF), Sor Saw Heo (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), Hyeon Park (KR), Masaru Hori (JP), TS Hahm(KR), Arnab Rai Choudhuri (IN)

**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), Eunjin Kim(UK),

**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), Tomo-Hiko Watanabe (JP),

**Basic:** Lin I (TW),Chio-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), Haruhiko Himura(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), Gungsu Yun (KR), Takuma Yamada(JP), Fernando Haas(BR), Izumi Murakami(JP), M. Nishiura(JP),

**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), Hyun-Ha Kim(JP), Dae Hoon Lee(KR), Srikumar Ghorui(IN), Shuyan Xu(SG), Anne Mai-Prochnow(AU),

**Laser:** Kunioki Mima (JP), Xian Tu He (CN), Chang Hee Nam (KR), Heinrich Hora (AU), Ryosuke Kodama (JP), G. Ravindra Kumar (IN), 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 (JP), 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 Choudhuri (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), Baonian Wan(CN), Myeun Kwon(KR), 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 (ITER), Yasuaki Kishimoto (JP), Shashank Chaturvedi (IN), Anthony Donne (EU), Sibylle Guenter (DE), Per Helander (DE), Ulrich Stroth (DE), Alain Becoulet (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), Francois Waelbloeck (US), Dennis Whyte (US), Jon 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), Wayne Solomon (US), 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), Kenichi Nagaoka (JP), Young Dae Yoon(KR), JM Kwon(KR),

**Fusion Companies:** Martin Peng(CN), Mikhail Gryaznevich(UK), Junichi Miyazawa (JP), S. Konishi(JP), K. Matsuo(JP), D. Gates(US),

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**SG (Space/ Geomagnetism);** Yoshiharu Omura(Chair), Peter Yoon(Vice), QuanMing Lu(Vice), Tohru Hada, Lin-Ni Hau, Dong-Hun Lee, Abraham Chia, Gurbax Lakhina, Nazish Rubab, David Ruffolo, Meng Zhou, Yasuhito Narita, Kanako Seki, Masahiro Hoshino,

**SA (Solar/Astro);** P. F. Chen (Chair), Ryoji Matsumoto (Co), Jungyeon Cho(Co), Hantao Ji, Jin Lin Han, Kyungsuk Cho, Patrick Antolin, Brigitte Schmieder, Durgesh Tripathi, Shu-ichiro Inutsuka, Hui Li, Takaaki Yokoyama, Takeru Suzuki, Lou Lee, Fulai Guo, Rony Keppens,

**MF1 (Core&Edge);** Jae-Min Kwon(Chair), Min Xu(Vice), Emi Narita(Vice), Yong-Su Na(Vice), Indranil Bandyopadhyay, Won-Ha Ko, Choongki Sung, Masaru Furukawa, Tokihiko Tokuzawa, Joelle Mailloux, Andrea Garofalo, Liang Wang, Wulv Zhong

**MF2 (Organized Session);** Katsumi Ida (Chair), Yunfeng Liang (Vice), Choong-ki Sung (Vice), Kenichi Nagaoka, Yuto Katoh, Akihide Fujisawa, Xiang Gao, Li Li, Young Dae Yoon, Kyung Sun Park, Hantao Ji, George McKee

### Local Organizing Committee

**LOC Chair:** Kenichi Nagaoka, **LOC secretary:** Naoki Kenmochi, **LOC members:** Gen Motojima, Hao Wang, Kiyofumi Mukai, Masahiro Kobayashi, Mikiro Yoshinuma, Noriyasu Ohno, Ryoma Yanai, Ryo Yasuhara, Shin Kubo, Shunsuke Usami, Takayoshi Tsutsumi, Tatsuya Kobayashi, Tomohiko Watanabe, Tomoko Kawate, Yasuko Kawamoto, Yuki Takemura, Yuki Takemura

### [21] NIFS Tour

The tour takes you to NIFS to visit the experimental hall of LHD, the control room, CompleXcope (virtual reality), the supercomputer, CHS, and other facilities (heating equipment room, power supply building etc.). **Limited to the first 70 applicants.**

**Date:** 12:30, 12th November, Sunday

**Meeting place:** Nagoya station, Taikou-Dori-guchi exit

#### Schedule:

12:30 Assembly

13:00 Bus starts at Nagoya station

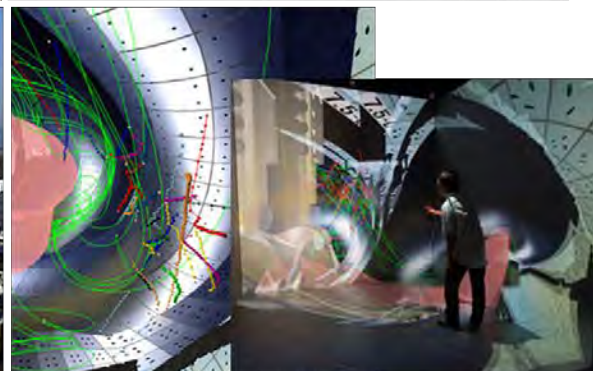
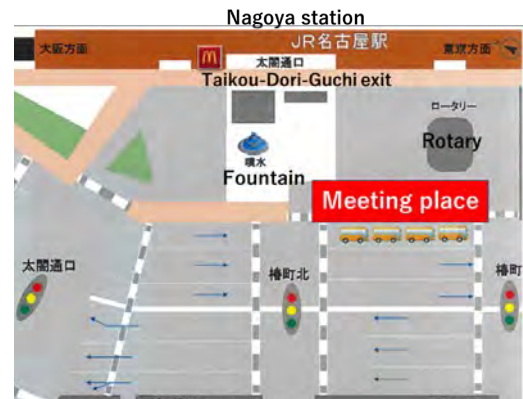
14:00 Arrival at NIFS

NIFS Tour

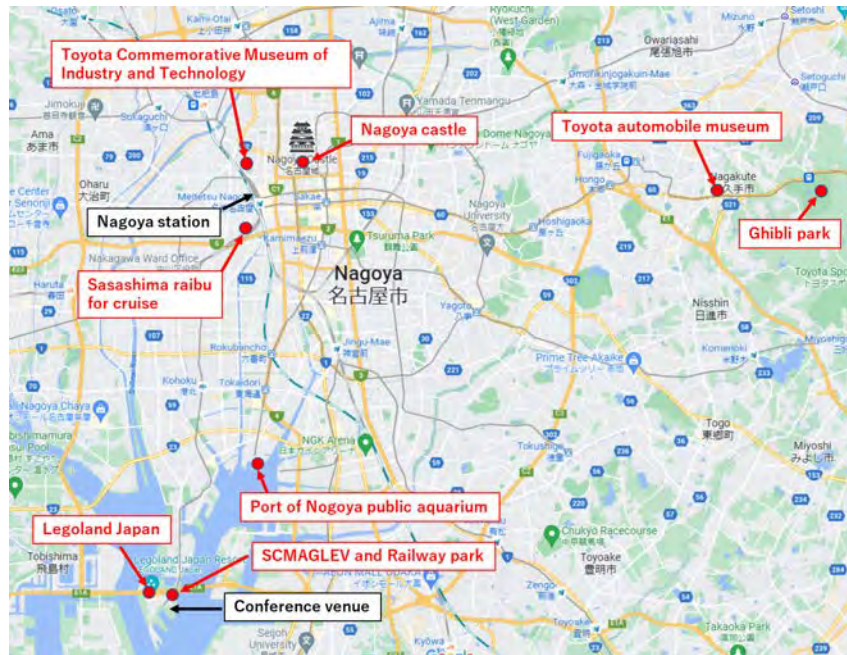
16:00 Bus starts at NIFS

17:00 Arrival at Nagoya station

(The schedule is subject to change due to traffic condition.)



[22] Sightseeing places



**1. Toyota Commemorative Museum of Industry and Technology** <https://www.tcm.it.org/english/>



**Access:** It is located near Nagoya station. At Meitetsu Nagoya station, take Meitetsu Inuyama Line bounds for Iwakura → Get off at Sako station. 3 minutes walk from Sako Station.

**2. Toyota automobile museum**  
<https://toyota-automobile-museum.jp/en/>



**Access:** At subway Nagoya station, Take Higashiyama line bounds for Hujigaoka → Get off at Hujigaoka station, change to Linimo Tobu-Kyuryo Line bound for Yakusa → Get off at Geidai-dori Station. A five-minute walk from Exit 1 to west.

**3. Ghibli park**  
<https://ghibli-park.jp/en/>



**Access:** Subway Nagoya station, Take Higashiyama line bounds for Hujigaoka → Get off at Hujigaoka station, change to Linimo Tobu-Kyuryo Line bound for Yakusa → Get off at Ai-Chikyu haku kinen kouen Station.

**Ticket:** A ticket has to be purchased prior to visit through the web site. The tickets for November are sold from 10 August at the web site.

**4. Nagoya castle**  
<https://www.nagoyajo.city.nagoya.jp/en/>



**Access:** Take Sakura-dori subway line at Nagoya station bound for Hisaya-odori. Change the train at Hisaya-odori and take Meijo subway line clockwise. Get off at Nagoyajo.

**5. Port of Nagoya public aquarium**  
<https://nagoyaaqua.jp/english/>



**Access:** Take Higashiyama subway line at Nagoya station bound for Hujigaoka. Change trains at Sakae Station and Take Meijō Line (counterclockwise) bound for Kanayama. Get off at the last stop Nagoyako Station. It's a 5-minute walk from exit 3. Or Take JR Line at Nagoya station bound for Kozoji or Toyohashi. Get off at Kanayama Station, change to the Meiko Subway Line bound for Nagoyako Station. Get off at the last stop Nagoyako Station and it's a 5-minute walk from exit 3.



## 6. Legoland Japan

<https://www.legoland.jp/en/>



**Access:** Near the conference venue.

## 7. SCMAGLEV and Railway park

<https://museum.jr-central.co.jp/en/>



**Access:** Near the conference venue.

## 8. Nagoya Marine Rider

<https://www.shachi-bus.com/marine/>



Amphibious buses take you from Sakae to Nagoya port, and visit the Port of Nagoya public aquarium. You can take a subway Meijo line to return to Nagoya station.

**Access to Sakae bus station:** Take Sakura-dori subway line at Nagoya station bound for Hisaya-odori. Get off at the Hisaya-odori station. 5 minute walk from exit 5A or 23.

## 9. Cruise Nagoya

(Operates on Saturdays and Sundays only)

<https://cruise-nagoya.jp/en/>



Cruise Nagoya connects the most popular sightseeing spots in Nagoya. It takes about 75 min. You can take a tour from Sasashima-raibu station to Kinjo Pier by the boat, and return to Nagoya station by train (Aonami line).

### Boat embarkation stations:

- Sasashima Live (Take Aonami line bound for Kinjo-futo at Nagoya station. Get off at Sasashima-raibu. 3 minute walk to the boat.)
- Canal Resort
- Minato AQUUS
- Garden Pier
- Bluebonnet
- Kinjo Pier (near the conference venue)

## 10. Nagoya Sightseeing Route Bus Me~guru

<https://www.nagoya-info.jp/en/feature/detail/2/>



One can take a bus tour for sightseeing in Nagoya city. The bus will take you around sightseeing spots such as Toyota Commemorative Museum of Industry and Technology, Shikemichi, Nagoya castle, Tokugawa-en, Cultural path Futaba Museum etc.

