



# 1<sup>st</sup> Announcement on 2<sup>nd</sup> Asia-Pacific Conference on Plasma Physics (AAPPS-DPP 2018) November 12-17, 2018

<http://aappsdp.org/DPP2018/index.html>

The Kanazawa Chamber of Commerce and Industry & Ishikawa Prefectural Bunkyo Hall  
Organized by AAPPS-DPP

AAPPS-DPP executive committee (M. Kikuchi, chair) decided to organize the 2<sup>nd</sup> Asia-Pacific Conference on Plasma Physics (AAPPS-DPP2018 in short). This conference will be the general plasma physics conference in Asia-Pacific region, similar to the APS-DPP and EPS-DPP conferences on plasma physics.

**[1] Scope of the AAPPS-DPP2018:** AAPPS-DPP2018 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] Date:** November 12(Monday) -17(Saturday), 2018

### [3] Conference Venue:

The Kanazawa Chamber of Commerce and Industry (Kanazawa-CCI) (<http://www.kanazawa-cci.or.jp/>) & Ishikawa Prefectural Bunkyo Hall (<http://www.bunkyo.or.jp>), Kanazawa, Japan. Venue is located near Kanazawa Castle and Kenrokuen garden (one of three famous Japanese garden) and Ohmicho Market (seafood). 10 minutes from Kanazawa station by bus and 3minutes walks.

### [4] Organization:

AAPPS-DPP (<http://aappsdp.org/AAPPSDPPF/>) is organizing body of this conference. This conference is endorsed and sponsored by following societies and organization.

*Endorsed by:*

1. Division of plasma physics in American Physical Society (APS-DPP, <https://www.aps.org/units/dpp/>)
2. Division of plasma physics in European Physical Society (EPS-DPP, <http://plasma.ciemat.es/eps/>) pending.
3. Physical Society of Japan (JPS, <http://www.jps.or.jp/english/>)
4. Division of Plasma Physics in Chinese Physical Society (CPS-DPP)
5. Division of Plasma Physics in Korean Physical Society (KPS-DPP)
6. Plasma Science Society of India (PSSI, <http://www.pssi.in/>)
7. Astronomical society of Japan (ASJ, <http://www.asj.or.jp/>)
8. The Society of Geomagnetism and Earth, Planetary and Space Sciences (SGEPSS, <http://www.sgepps.org/sgepps/index-e.html>)
9. Laser Society of Japan (LSJ, <http://www.lsj.or.jp/LSJHP/LSJindex.html>)
10. Division of Plasma Electronics in Japan society of Applied Physics (JSAP- DPE, <http://annex.jsap.or.jp/plasma/>)
11. Japan Society of Plasma Science and Nuclear Fusion Research (JSPF, <http://www.jspf.or.jp/eng/>)
12. Division of Nuclear Fusion and Plasma Physics in Chinese Nuclear Society
13. Asian African Association on Plasma Training (AAAPT, <http://www.aaapt.org/>)
14. Australian ITER Forum (<http://fusion.ainse.edu.au/>)

*Financially supported by:*

1. Ishikawa prefecture
2. Kanazawa city
3. Asia Pacific Center for Theoretical Physics (APCTP, <https://www.apctp.org/main/>)
4. NFRI (Sponsor for 2018 S. Chandrasekhar Prize)
5. IFE Forum (Sponsor for 2018 U30 Award)
6. Hamamatsu photonics
7. SPP Technologies





## [5] Scientific Program:

2<sup>nd</sup> Asia-Pacific conference on Plasma Physics will cover following sub-disciplines of plasma physics.

- |                        |                            |
|------------------------|----------------------------|
| CD. Cross-disciplinary | L. Laser plasma            |
| F. Fundamental plasma  | S. Space plasma            |
| B. Basic plasma        | SA. Solar / Astro plasma   |
| A. Applied plasma      | MF. Magnetic Fusion plasma |

1. **“Cross Disciplinary”** session is created according to the comments on 1<sup>st</sup> Asia-Pacific Conference on Plasma Physics to discuss common topics among various plasma fields. This session will have three topics. 1. Magnetic Reconnection and Relaxation (MRR), 2. Turbulent Momentum Transport and Flow Structure (TMTF), 3. Filamentation, Focusing and Collapse.
2. **“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.
3. **“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

## [6] Basic Structure of Scientific Program:

Conference will from Monday (12 Nov.) to Saturday (17 Nov., conference tour). Morning sessions will be plenary session (no parallel session) at the main conference hall except Friday. There will be 2018 S. Chandrasekhar Prize selection before the conference and the winner will be the first plenary speaker. Afternoon session will be dedicated for parallel sessions. Number of invited speakers is 270 of above 8 fields. Number of orals will be decided according to the number of contributed abstracts. There will be DPP young research award and U30 award and poster prize.

### 2<sup>nd</sup> Asia-Pacific Conference on Plasma Physics (AAPPS-DPP 2018)

1. 46 Plenary (30minutes), 240Invited (22-25minutes), 1000Oral (15 minutes), 300 posters

Sunday (11.11)	Monday (2018.11.12)	Tuesday (11.13)	Wednesday (11.14)	Thursday (11.15)	Friday (11.16)	Saturday (11.17)
	Registration : 8:00~	Registration: 7:30~	Registration : 7:30~	Registration : 7:30~	Registration : 7:30~	
		Plenary 2 [Chair:]	Plenary 4 [Chair:]	Plenary 6 [Chair:]	Plenary 8 [Chair:]	9:00 ~16:00
	8:30: Opening Session	8:00-8:30: P7	8:00-8:30: P16	8:00-8:30: P25	8:00-8:30: P34	Conference tour
	Speaker 1,2	8:30-9:00: P8	8:30-9:00: P17	8:30-9:00: P26	8:30-9:00: P35	
	Speaker 3,4	9:00-9:30: P9	9:00-9:30: P18	9:00-9:30: P27	9:00-9:30: P36	
	Speaker 5,6	9:30-10:00: P10	9:30-10:00: P19	9:30-10:00: P28	9:30-10:00: P37	
	9:30-10:00: Photo Break	10:00-10:30: P11	10:00-10:30: P20	10:00-10:30: P29	10:00-10:30: P38	
	Plenary 1 [Chair:]	10:30-11:00: Coffee break	10:30-11:00: Coffee break	10:30-11:00: Coffee break	10:30-11:00: Coffee break	
	10:00-10:30:P1 2018 Chandrasekhar				11:00-13:10: MF1-6	
	10:30-11:00: P2	Plenary 3 [Chair:]	Plenary 5 [Chair:]	Plenary 7 [Chair:]	11:00-13:10: MF2-6	
	11:00-11:30: P3	11:00-11:30: P12	11:00-11:30: P21	11:00-11:30: P30	11:00-13:10: F-6	
	11:30-12:00: P4	11:30-12:00: P13	11:30-12:00: P22	11:30-12:00: P31	11:00-13:10: Exhibition	
	12:00-12:30: P5	12:00-12:30: P14	12:00-12:30: P23	12:00-12:30: P32	11:00-13:10: S-6	
	12:30-13:00: P6	12:30-13:00: P15	12:30-13:00: P24	12:30-13:00: P33	11:00-13:10: SA-6	
	13:00-14:00: Lunch	13:00-14:00: Lunch	13:00-14:00: Lunch	13:00-14:00: Lunch	11:00-13:10: A-6	
13:00-18:00	14:00-16:10 MF1-1	14:00-16:10: Lp-1(LabAstro)	14:00-16:10: Lp-2	14:00-16:10: Lp-3	11:00-13:10: L-6	
Registration at CCI 2 <sup>nd</sup> floor	14:00-16:10 MF2-1	14:00-16:10: MFP1, AP1 Poster	14:00-16:10: MFP2, FP2, AP2, SP1, Poster	14:00-16:10: MFP3, FP3, AP3, SP2, Poster	14:00-16:10: Exhibition	11:00-13:10: B1-6
	14:00-16:10 F-1				11:00-13:10: B2-6	
	14:00-16:10 Exhibition	14:00-16:10: Exhibition	14:00-16:10: Exhibition	14:00-16:10: Exhibition	13:10-14:00 Lunch	
	14:00-16:10 S-1	14:00-16:10: MF2-3	14:00-16:10: MF2-4	14:00-16:10: MF2-5	Plenary (Summary)[Chair:]	
	14:00-16:10 SA-1	14:00-16:10:	14:00-16:10:	14:00-16:10:	14:00-14:30: P39 CP D Diamond	
	14:00-16:10 A-1	14:00-16:10: F-3	14:00-16:10: SA-4	14:00-16:10: SA-5	14:30-15:00: P40 GY Fu	
	14:00-16:10 L-1	14:00-16:10: CD-1	14:00-16:10: CD-3	14:00-16:10: CD-5	15:00-15:30: P41 Y. Kishimoto	
	14:00-16:10 B1-1	14:00-16:10: B1-3	14:00-16:10: B1-4	14:00-16:10: B1-5	15:30-16:00: Coffee Break	
	14:00-16:10 B2-1	14:00-16:10: B2-3	14:00-16:10: B2-4	14:00-16:10: B2-5	16:00-16:30: P42 JS Yoon	
	16:10-16:40: Coffee Break	16:10-16:40: Coffee Break	16:10-16:40: Coffee Break	16:10-16:40: Coffee Break	16:30-17:00: P43 A. Das	
	16:40-18:50: MF1-2	16:40-18:50: MF1-3	16:40-18:50: MF1-4	16:40-18:50: MF1-5	17:00-17:30: P44 XT Deng	
	16:40-18:50: MF2-2	16:40-18:50:BP1, LP1, FP1 Poster	16:40-18:50: BP2, LP2, SAP1 Poster	16:40-18:50: BP2, LP2, SAP1 Poster	17:30-18:00: P45 R. Matsumoto	
	16:40-18:50: F-2				18:00-18:30: P46 X. Duan	
	16:40-18:50: Exhibition	16:40-18:50: Exhibition	16:40-18:50: Exhibition	16:40-18:50: Exhibition	18:30-19:00: Poster prize/Closing	
18:00-20:30 Reception	16:40-18:50: S-2	16:40-18:50: L-3	16:40-18:50: L-4	16:40-18:50: L-5		
	16:40-18:50: SA-2	16:40-18:50: SA-3	16:40-18:50: S-4	16:40-18:50: S-5		
	16:40-18:50: A-2	16:40-18:50: S-3	16:40-18:50: F-4	16:40-18:50: F-5		
	16:40-18:50: L-2	16:40-18:50: CD-2	16:40-18:50: CD-4	16:40-18:50: CD-6		
	16:40-18:50: B1-2	16:40-18:50: A-3	16:40-18:50: A-4	16:40-18:50: A-5		
	16:40-18:50: B2-2	16:40-18:50:	16:40-18:50:	16:40-18:50:		
	19:00-20:00: EV-1(Luo Delong, T. Yamada)	19:00-20:00: EV-2 T. Kim, DPP public meeting with snacks	19:00-20:00:EV-3(M Campbell: US Laser, S Jacquemot,EU Laser)	19:30-22:00: Conference Dinner (Award intro )		

CCI: Hall (380 seats), CA (45seats), CB (45seats), TA (30seats), TB (45 seats), TC (45seats), T2 (48 seats); T3 (18 seats, 59m<sup>2</sup>), Bunkyo Hall: 401 (72 seats), 402 (48 seats)



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

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

Participants who need VISA should register by **July 1** and should pay registration fee. In case participant can't come, paid fee will be reimbursed with some cost. VISA support after July 1 will end on 1 September.

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 members of endorsed societies. 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, 2018	After Sept. 30
<b>Member</b>	<b>50,000 JPY</b>	<b>60,000 JPY</b>
<b>Non-member</b>	<b>60,000 JPY</b>	<b>70,000 JPY</b>
<b>Student/Retired</b>	<b>25,000 JPY</b>	<b>30,000 JPY</b>

**a) Welcome Reception:** There will be a reception on Sunday (Nov. 11) 18:00-20:30. Place will be noticed later.

**b) Lunch box:** Lunch box of 1000JPY can be reserved for Nov. 12-16 through registration homepage.

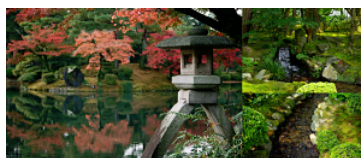
**c) Conference dinner:** Conference dinner will be on Thursday (Nov. 15) 19:30-22:00 at Japanese style restaurant (SEN, AKANEDOKI) near Kanazawa station. Conference dinner fee is 6000 JPY for full participant and 4000 JPY for student.

**d) Conference tour:** There are three options.

(1) Kanazawa city tour.



Kanazawa castle



Kenrokuen garden



21<sup>st</sup> century Museum of Contemporary Art

(2) Shirakawago village tour:

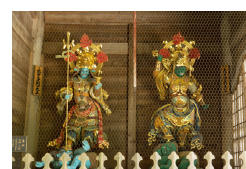


Shirakawago village under snow

(3) Eiheiiji temple tour:



Eiheiiji mountain gate



Four heavenly kings

### [8] VISA requirement

Participants who need VISA should contact LOC (aappsdp.2018@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] Financial assistance

Financial assistance to attend this conference will be provided to a limited number of participants. For detail, please visit <http://aappsdp.org/DPP2018/financialassistance.html>

### [10] Hotel information <http://www.aappsdp.org/DPP2018/accomodation.html>

There will be no pre-booked hotel for this conference. Kanazawa is a compact city with many hotels but those are very crowded in the autumn, and, in addition, a big size international conference on Nitride Semiconductors is scheduled for the same period of DPP2018. We strongly recommend DPP2018 participants to make early reservations on the hotels. For reservation, please go directly to the hotel's online reservation system or agent site.

- (1) Kanazawa New Grand Hotel, (2) Hotel Resol Trinity Kanazawa, (3) KKR Hotel, (4) Kanazawa Tokyu Hotel, (5) ANA Holiday Inn Kanazawa Sky, (6) Hotel Nikko Kanazawa, (7) ANA Crowne Plaza Kanazawa, (8) Hotel Kanazawa, (9) Garden Hotel Kanazawa, (10) Smile Hotel Kanazawa, (11) Toyoko Inn Kanazawa Kenrokuen Korimbo, (12) Hotel Econo Kanazawa Katamachi, (13) Hotel Trusty Korinbou



### [11] Contributed and Post-deadline

Abstract submission is extended to June 15 at <https://www.gakkai-web.net/gakkai/aappsdp/>

Abstract submission after June 15 is regarded as Post-deadline.

All accepted post deadline submissions will be poster presentation. Submission site will close on September 20.

## [12] Venue detail

The conference venue (Kanazawa Chamber of Commerce and Industry (Kanazawa-CCI) and Ishikawa Bunkyo Hall(Bunkyo Hall)) is located near Kanazawa castle and 10 minutes by Bus from Kanazawa station (East) to Minami-cho and then 3 minutes walk to Kanazawa CCI.



3minutes walk



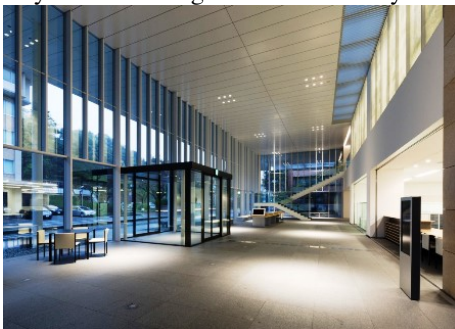
Kanazawa CCI

Bunkyo Hall



### 12.1 Plenary Talks

All plenary talks will be given at the Plenary Hall in Kanazawa CCI.



### 12.2 Parallel Sessions

There will be 9 parallel sessions in Kanazawa-CCI and Bunkyo-Hall.

## [13] Plenary Speakers

- 2018 S. Chandrasekhar Prize Laureate
- Steven Tobias, University of Leeds, "Flux expulsion and Dynamos"



- Shigeo Yoden, Kyoto University, "Hierarchy of numerical model simulations on the equatorial QBO-like oscillations in the stratosphere-troposphere coupled system"



- Chijie Xiao, Peking University, "Three-dimensional magnetic reconnection: laboratory experiments and in situ measurements in the magnetosphere"



- Daniel Lathrop, University of Maryland, "Reconnection and helicity of vortices in quantum fluids and the plasma connection"



- Michio Yamada, Kyoto University, "Zonal Flows in Rotating Fluids: phenomenological interest and theoretical problems"



- Fulvio Zonca, ENEA & Zhejiang University, "On the nonlinear dynamics of phase space zonal structure"



- Katsumi Ida, National Institute for Fusion Science, "Bifurcation phenomena in magnetic confinement"



- Yi-Kang Pu, Tsinghua University "The influence of electrode surface condition on the discharge properties in a capacitively coupled plasma"



- A.A. Mamun, Jahangirnagar University, "Solitary and Shock Waves in Dusty Plasmas, and some open issues"



- Yasushi Todo, National Institute for Fusion Science, "Energetic particle physics in fusion plasmas through computer simulation"



- Kwo Ray Chu, National Taiwan University, "A study of inherent causes for non-uniform microwave heating"



- Chao Chang, Xi'an Jiaotong University, "Nanosecond Intense Microwave Plasma and Electromagnetic Undulator for FEL"



- Masaharu Hori, Nagoya University, "Challenge to the systematization of the biological interaction by plasmas"



- Ken Ostrikov, Queensland University of Technology, "Shrinking the plasma: why not use pores?"



- Ho Jun Kim, Dong-A. University / Samsung Electronics Co., Ltd. "Numerical Simulation of Semiconductor Fabrication System"



- Ryosuke Kodama, Osaka University, "High Energy Density science with high power lasers in Japan"



- G. Ravindra Kumar, Tata Institute of Fundamental Research, "Relativistic electron physics in ultrahigh intensity laser plasma interactions"



- Bjorn Mauel Hegerich, IBS, "Relativistic Quantum Photonics – fundamental science and applied engineering with ultrahigh intensity lasers"



- Xian-Tu He, IAPCM, "Design and experimental progress of hybrid-drive ICF ignition on SG-III laser facility"



- James F. Drake, University of Maryland, "Magnetic reconnection in space plasmas (tentative)"



- Gurudas Ganguli, Naval Research Laboratory, "Use of Laboratory Experiments to Understand Space Phenomena"





23. Daniel Baker, University of Colorado, "Overview of interaction of particles and waves in magnetosphere by observations and simulations"



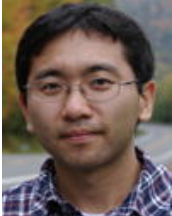
24. Fouad Sahraoui, Universite Pierre & Marie Curie, "Kinetic scale turbulence in space plasmas"



25. Kazuo Makishima, The University of Tokyo, "Physics of the largest-scale hot plasmas in the Universe"



26. Xueng Bai, Tsinghua University "Gas Dynamics of Weakly Ionized Protoplanetary Disks and Implications for Planet Formation"



27. Masaharu Hoshino, The University of Tokyo, "Particle acceleration in plasma universe"



28. Peter H. Yoon, University of Maryland, "Dynamic role of kinetic plasma processes in the solar wind"



29. Yunfeng Liang, ASIPP, "Control of Edge-Localized Mode in Magnetically Confined Fusion Plasmas"



30. Yong Kyoon In, NFRI, "Critically resolved non-axisymmetric field physics in KSTAR"



31. Wulyu Zhong, SWIP, "On turbulence and multi-scale interactions in low and high confinement plasmas of the HL-2A tokamak"



32. Tonny Donne, EUROfusion, "Strategy and challenges of the revised European Fusion Roadmap"



33. Naoyuki Oyama, QST "Progress in preparing research plan and construction of JT-60SA"



34. Patrick H. Diamond, UCSD "Summary of cross-disciplinary session"



35. Guo Yong Fu, Zhejiang University "Summary of Fundamental plasma session"



36. Yasuaki Kishimoto, Kyoto University, "Summary of Basic plasma session"



37. Jung-Sik Yoon, NFRI "Summary of Applied plasma session"



38. Amita Das, IPR "Summary of Laser plasma session"



39. Xiaohua Deng, Nanchang University, "Summary of Space/Geomagnetism plasma session"



40. Ryoji Matsumoto, Chiba University "Summary of Solar/Astro plasma session"



41. Xuru Duan, SWIP, "Summary of Magnetic Fusion plasma session"





## [14] Invited Speakers

### Cross-disciplinary:

1. Hiroyuki Arakawa (Shimane University), Wave, flow and vortex: the third structure in drift wave turbulence
2. T. Yamada (Kyushu University), Three Dimensional Structure of Streamer in Drift Wave Fluctuations
3. Y. Kosuga (Kyushu University), How secondary flow is selected in drift wave turbulence: Role of parallel flow shear
4. Ashwin Joy (Indian Institute of Technology), Phase Transitions in Active Matter Systems
5. Shi-ichi Takehiro (Kyoto University), Thermal convection and induced mean zonal flows in rotating spherical shells
6. Hidenori Aiki (Nagoya U.), Towards a seamlessly diagnosable expression for the energy flux associated with both equatorial and mid-latitude waves
7. Kumiko Hori (KOBE U.), Slow magnetic Rossby waves in Earth's core
8. Jiayong Zhong (Beijing Normal University), Particles Acceleration during Laser Driven Magnetic Reconnection in a Low-beta Plasma
9. M. Jiang (SWIP), Multi-scale interactions between magnetic island and turbulence on HL-2A tokamak
10. Zhibin Guo (Peking University), How Toroidal Coupling Induces Phase Jumps and Zonal Flow Shear Layer Patterns
11. Norman M. Cao (MIT), Observation and Quasilinear Modeling of Rotation Reversal Hysteresis in Alcator C-Mod Plasmas
12. Rameswar Singh (UCSD), Intrinsic parallel current generation from ETG turbulence in a cylindrical plasma
13. Yign Noh (Yonsei University), LES of Turbulent Particle-Laden Flows in Nature: from Plankton to Clouds
14. Eunok Yim (EPFL), Global stability of pancake vortices in rotating and stratified fluids
15. CS Liu (University of Maryland), Nonlinear development of Stimulated Raman Backscattering Instability with trapped electrons
16. Won-Ha Ko (NFRI), Rotation and momentum transport in magnetic confined plasmas
17. S. Cappelletto (Consorzio RFX), Magnetic self-organization in confined plasmas
18. Richard Sydora (University of Alberta), Kinetic Theory and Simulation of the Current Sheet Shear Instability in 3D Magnetic Reconnection
19. Takahiro Iwayama (Fukuoka University), Forced-dissipative turbulence governed by generalized two-dimensional fluid systems
20. Yoshi-Yuki Hayashi (Kobe University), Turbulence, waves and momentum transfer in geophysical fluids
21. M. Zhang (National Astronomical Observatories, CAS), Helicity transport from the solar convection zone to interplanetary space
22. PF Chen (Nanjing University), Magnetic self-organization and reconnection in the solar atmosphere
23. Hiroshi Niino (University of Tokyo), Tornadoes: Their Structure, Genesis Mechanism and Environment
24. G. Dif-Pradalier (CEA/IRFM), Global Staircase Organization in Magnetized Plasmas

### Fundamental:

1. Shinya Maeyama (Nagoya University), Effects of electron-scale turbulence on ion-scale turbulence in Tokamak plasmas
2. P. Hennequin (Ecole Polytechnique), Overview of plasma turbulence structure studies in the ASDEX Upgrade tokamak
3. Cami S. Collins (GA), Optimizing future burning plasmas through experiments to understand & control transport of fast ions by Alfvén eigenmodes
4. Tatsuya Kobayashi (NIFS), Experimental investigation of the L-H transition dynamics
5. Pengjun Sun (ASIPP), Experimental Study of Multi-scale Interaction between (Intermediate, Small)-scale Microturbulence and MHD modes in EAST Plasmas
6. Zhisong Qu (ANU), Energetic Geodesic Acoustic Mode (EGAM) as a two-stream instability and EGAM linear mode study in various regime

7. Emily A. Belli (GA), Impact of centrifugal drifts on ion turbulent transport
8. Zhiyong Qiu (Zhejiang University), Nonlinear decay and plasma heating by toroidal Alfvén eigenmode
9. TS Hahm (SNU), Modern gyrokinetic description of residual zonal flows
10. Y. Ono (U. Tokyo), Direct access to the burning plasma by high-power reconnection heating of merging tokamaks
11. Naoki Sato (U. Tokyo), Statistical Mechanics of Topologically Constrained Systems: Application to Self-Organizing Diffusion in Plasmas
12. Matthew Hole (ANU), Energetic particle driven mode activity: advances in understanding from linear through hard nonlinear regime
13. Makoto Sasaki (Kyushu University), Selection of flow chirality in drift-mode and D'Angelo-mode fluctuations
14. Ruirui Ma (SWIP), Theoretic study of the nonlinear energetic particle mode dynamics in tokamaks
15. Y. Kawazura (University of Oxford), Relativistic Extended Magnetohydrodynamics: action formalism and physical properties
16. Kaijun Zhao (SWIP), Sawtooth heat pulses interacting with plasma flows, turbulence, and gradients in the tokamak edge plasmas
17. Lai Wei (DUT), Nonlinear interaction between drift tearing modes and slab-ITG-modes
18. Y. Yatsuyanagi (Shizuoka University), Correlation function in long-range interacting point vortex system
19. David Zarzoso (Aix-Marseille Université), Impact of energetic geodesic acoustic modes on transport in fusion plasmas
20. S. Usami (NIFS), Particle Simulation Studies on Effective Ion Heating during Magnetic Reconnection
21. Hogun Jhang (NFRI), Magnetic field stochasticization and transport process during edge pedestal collapse simulations
22. Jianxing Li (Xi'an Jiaotong University), Attosecond Gamma-ray generation via nonlinear Compton scattering and single-shot carrier-envelope phase determination of long PW laser pulses
23. Sumin Yi (NFRI), A gyrokinetic simulation study of parallel flow fluctuation effects on zonal flow generation
24. CZ Cheng (NCKU), Heating/Acceleration of Electrons and Ions in Driving Magnetic Reconnection

### Basic:

1. M. Yagi (QST), NEXT (Numerical EXperiment Tokamak) project and future prospect of burning plasma simulation
2. Akihiro Ishizawa (Kyoto University), Multi-scale interaction and parity mixture between turbulence and magnetic islands
3. H. Ohtani (NIFS), Combination of particle-in-cell simulation with analysis by in-situ and virtual-reality visualization for investigation of plasma physics
4. Haruki Seto (QST), A pseudo-spectrum scheme for ELM crash simulation with  $n=0$  flow and field driven by short wave length instabilities
5. Yuuichi Asahi (QST), Benchmarking of flux-driven full-F gyrokinetic simulations
6. Shinichiro Toda (NIFS), Reduced model for gyrokinetic electron and ion turbulent transport in helical plasmas
7. Lei Chang (Sichuan University), Gap eigenmode in linear plasma: theory and simulation
8. Than Tinh Tran (NFRI), Zonal Flow Pattern Formation in Coupled Drift Wave Turbulence and Parallel Flow Fluctuations: A Computational Study
9. Ding Li (IOP), The effects of high magnetic field on plasma kinetic equations and transport
10. Daniel Groselj (Max Planck, IPP), Dissipation Range Physics in Solar Wind Turbulence: New Insights from Fully Kinetic Simulations
11. N. Chakrabarti (Saha Institute of Nuclear Physics), Nonlinear Dispersive Wave Solutions in Compressible Magnetized Plasmas Exhibiting Collapse
12. Punit Kumar (University of Lucknow), Two stream instability in magnetized quantum plasma with spin-up and spin-down





- exchange interaction or Surface Plasma Wave in Semiconductor Quantum Plasma with Spin-up and Spin-down Exchange Interaction
13. Pintu Bandyopadhyay (IPR), Experiments in flowing dusty plasma
  14. Mierk Schwabe (German Aerospace Center), Crystallization in three-dimensional complex plasmas
  15. Chengran Du (Donghua University), Wave phenomena at the interface of a binary complex plasma: experiments and simulations
  16. Yan Feng (Soochow University), Transport of magnetized two-dimensional Yukawa liquids
  17. Nareshpal Singh Saini (Guru Nanak Dev University), Effect of polarization force on nonlinear excitations in dusty plasmas
  18. A. Escarguel (Aix-Marseille Université), Study of instabilities in cross-field plasma configurations
  19. A. Khare (University of Delhi), Thermodynamic processes and free expansion in dusty plasmas
  20. Roger Hutton (Fudan University), Proposal of highly accurate tests of Breit and QED effects in many-electron systems
  21. Heremba Bailung (Institute of Advanced Study in Science and Technology), Experimental observation of cylindrical dust acoustic soliton in strongly coupled dusty plasma
  22. Motoshi Goto (NIFS), Collisional-radiative mode of neutral helium and its application to plasma diagnosis
  23. Xi-Ming Zhu (Harbin Institute of Technology), Atomic and ionic processes in low-temperature Ar, Kr, and Xe plasmas: cross section data and collisional- radiative model
  24. Shinichi Namba (Hiroshima University), Anomalous enhancement of water window X-rays emitted from laser produced Au plasma under low-pressure nitrogen atmosphere
  25. H. Ohashi (Toyama University), Characteristics of water-window soft X-ray emission from bismuth plasmas
  26. N. Nakamura (The University of Electro-Communications), Collisional and radiative processes of highly charged iron ions studied with an electron beam ion trap
  27. S. Nishiyama (Hokkaido University), Applications of Saturation Spectroscopy to Plasma Diagnostics
  28. Jun Xiao (Fudan University), Recent Fusion Related Tungsten Spectroscopy Studies at Shanghai EBITs
  29. G.Y. Liang (NAO-CAS), X-ray and extreme-ultraviolet spectroscopy in astrophysical and laboratory plasmas
  30. T. Kawamura (Tokyo Institute of Technology), Lasing potential of extreme-ultraviolet (EUV) light of nitrogen with a recombining plasma scheme
  31. S. Kado (Kyoto University), Diagnostics to Investigate Thermal Equilibrium /Disequilibrium Features ~ in Fusion Edge And Laboratory Discharge Low-temperature Plasmas ~
  32. H. Nakano (NIFS), Diagnostics for negative hydrogen ion
  33. Chunfeng Dong (SWIP), Observation of tungsten EUV line emissions in low ionization stages of  $W^{6+}$  and  $W^{7+}$  ions and analysis of tungsten influx rate in HL-2A
  34. Yuichiro Ezoe (Tokyo Metropolitan University), High Resolution X-ray Spectroscopy of Astrophysical Plasmas with X-ray Microcalorimeters
  35. Fuminori Tsuchiya (Tohoku University), Remote sensing of planetary and satellite atmospheres and aurorae through ultraviolet spectroscopy
  36. Hirohisa Hara (National Astronomical Observatory of Japan), Plasma Dynamics in the Solar Corona Revealed from Emission-Line Spectroscopy
  37. Meghraj Sengupta (IPR), Investigating cylindrically and toroidally confined non-neutral plasmas with Particle-in-Cell Simulations
  38. K. Akaike (Kyoto Institute of Technology), Experiments on intermittent ion leakage from BX-U linear trap during potential barrier closure
  39. Masaki Nishiura (The University of Tokyo), Experimental approach for understanding self-organized plasma transport in laboratory magnetosphere RT-1
  40. S. Jaiswal (DLR & Auburn University), Dynamical structure formation due to complex plasma flow past an obstacle.
  41. Nicolas Besse (Observatoire de la Côte d'Azur), Regularity of the geodesic flow of the incompressible Euler equations on curved spaces
  42. Thomas Trottenberg (University Kiel), On the importance of determining the momentum transfer due to energetic particles from process plasmas to solid surfaces
  43. Bornali Sarma (VIT Chennai), Characteristic behavior of plasma fluctuations inside plasma bubble in presence of magnetic field due to the formation of potential well
  44. M. Fukunari (The University of Tokyo), Experimental investigation on millimeter-wave discharge induced in gas
  45. Anbang Sun (Xi'an JiaoTong University), Understanding the start of pulsed discharges in atmospheric air with 3D particle simulations
  46. Akio Sanpei (KIT), Reconstruction of three-dimensional emissivity structure with integral photography technique
  47. Amar Prasad Misra (Visva-Bharati University), Surface plasmons in a massless Dirac plasma
  48. K. Terasaka (Kyushu University), Density and flow field structures of partially ionized plasma in laboratories
  49. Hong-Yu Chu (National Chungcheng University), Diffusion-limited aggregation-like patterns produced by atmospheric plasma jet
  50. Sanghoo Park (KAIST), Plasma-functionalized solution and its applications
  51. Wonho Choe (KAIST), Creation of electric wind due to the electrohydrodynamic force
  52. Tsun Hsu Chang (National Tsing Hua University), nonlinear dynamics of the electron cyclotron maser, high power sub-Terahertz physics, and the characterization of the microwave/nano- particles interaction (tentative)
  53. Sanat Kumar Tiwari (Indian Institute for Technology), Heating and collective effects in ultra cold plasmas
  54. Cormac Corr (Australian National University), High-Power Hydrogen Plasmas in the Magnetised Plasma Interaction Experiment (MAGPIE)
  55. D. Kuwahara (Tokyo University of Agriculture and Technology), Study of Helicon Plasma Thruster using Internal Gas Feeding Method
  56. Keh-Chyang Leou (National Tsing Hua University), Development of Microwave Based Plasma Density Sensors for Process Monitoring and Feedback Control of Plasma Processing Tools
  57. M. Aramaki (Nihon University), Development of Optical Vortex Doppler Spectroscopy: Azimuthal Doppler Shift and Phase Gradient
  58. Yongtao Zhao (Xi'an Jiaotong University), Stopping of low energy ion beam in a foam-plasma
  59. S. Matsuoka (NIFS), Global full-f kinetic simulation of neoclassical transport in stellarator/heliotron plasmas
- Applied:**
1. Erik Johnson (Ecole Polytechnique), Tailored Voltage Waveform plasmas for Control of Surface Processing
  2. Changlun Chen (ASIPP), The preparation and functionalization of nano- materials with plasma technique and their application in environmental pollutant treatment
  3. Xiao Xia Zhong (Shanghai Jiaotong University), Micoplasma in close proximity to liquid and its applications in synthesis of nanomaterials
  4. Lanbo Di (Dalian University), Atmospheric-pressure cold plasma for synthesizing supported metal catalysts with the assistance of ethanol
  5. Hitoshi Tamura (Hitachi High- Technologies Corporation), Study on uniform plasma generation mechanism of Electron Cyclotron Resonance etching reactor
  6. D. Subedi (Kathmandu University), Generation of dielectric barrier discharge (DBD) at near atmospheric pressure and its application for surface treatment of polymers
  7. Giichiro Uchida (Osaka University), Production control of reactive oxygen and nitrogen species in liquid water by using a nonthermal plasma jet
  8. N. Itagaki (Kyushu University), Sputter epitaxy of high quality  $(ZnO)_x(InN)_{1-x}$ : a new semiconducting material for excitonic devices
  9. Kateryna Bazaka (Queensland University of Technology), Plasma-activated small molecules



10. Dehui Xu (Xi'an Jiaotong University), Regulation of reactive species in gas plasma and the application in tumor therapy
  11. Maik Froehlich (INP Greifswald), A combined PIII and HiPIMS plasma source for thin film deposition
  12. Weizong Wang (Beihang University/ University of Antwerp), Plasma based CO<sub>2</sub> conversion into value added products: better insights from computer modelling
  13. M. Shinohara (National Institute of Technology, Sasebo College), Plasma induced surface reaction, considered with multiple-internal-reflection infrared absorption spectroscopy
  14. Qiuyue Nie (Harbin Institute of Technology), Experimental studies on electromagnetic radiation intensification in GHz band by sub-wavelength plasma structures
  15. Hirota Toyoda (Nagoya University), Influence of magnetic field on high-energy negative ion behavior in magnetron plasma with oxide targets
  16. Suresh C. Sharma (Delhi Technological University), Effect of doping on the Growth and Electronic Properties of Graphene -Carbon Nanotube Hybrid
  17. He-Ping Li (Tsinghua University), Non-equilibrium Characteristics of Atmospheric-Pressure Thermal Plasmas
  18. Shuyan Xu (Nanyang Technological University), Design and test of miniaturized plasma thrusters at the Plasma Sources and Applications Centre, Singapore
  19. S. Sharma (IPR), A magnetic field augmented single frequency capacitively coupled plasma device
  20. EH Choi (Kwangwoon University), Plasma Medicine and its Mechanism for Cancer Therapy
  21. Masaharu Shiratani (Kyushu University), Micron-scale plasma fluctuation detected using paired fine particles
  22. Shinya Iwashita (Tokyo Electron Technology Solutions Ltd.), Ion energy control in capacitively coupled discharges for PEALD processes
  23. Kuniko Urashima (National Institute of Science and Technology Policy), Critical review of plasma technologies for industrial applications
  24. Yu-Ru Zhang (Dalian University of Technology), Plasma characteristics in an electrically asymmetric capacitive discharge sustained by multiple harmonics: operating in the very high frequency regime
- Laser:**
1. Takayoshi Sano (Osaka University), Interfacial magneto-hydrodynamic instabilities in astrophysical and laser plasmas **[semi-plenary]**
  2. P. Tzeferacos (The University of Chicago), Dynamo amplification of magnetic fields in a turbulent laser produced plasmas **[semi-plenary]**
  3. Wing-Huen Ip (National Central University), An Overview of the Surface Irradiation and Charging of Icy Moons and Ring Particles **[semi-plenary]**
  4. Katsuji Koyama (Kyoto University), Astrophysical Plasma in Supernova Remnants, Galactic Center and Protostars **[semi-plenary]**
  5. Hantao Ji (PPPL), Frontiers of laboratory experiments to study magnetic reconnection relevant to space plasmas **[semi-plenary]**
  6. Joerg Buchner (Max-Planck-Institut für Sonnensystemforschung), Reconnection and eruptions in Solar Plasmas **[semi-plenary]**
  7. Peter A Norreys (Rutherford Appleton Lab.), Overview of some key achievements on the route to IFE **[semi-plenary]**
  8. Yutong Li (IOP), Novel large-energy terahertz radiation sources from intense laser-foil interactions **[semi-plenary]**
  9. M. Koenig (Ecole Polytechnique), Collaboration experiments at LULI **[semi-plenary]**
  10. T. Yabuuchi (RIKEN SPring-8 Center), Current status of experimental platform for laser-based plasma physics at the XFEL facility SACLA **[semi-plenary]**
  11. Mitsuo Nakai (Osaka University), Users program using GXII and LFEX at ILE **[semi-plenary]**
  12. Bruce Remington (LLNL), Discovery Science program on the NIF **[semi-plenary]**
  13. Il Woo Choi (GIST), Laser-driven ion acceleration from the interaction of ultrashort ultrahigh-contrast multi-petawatt laser and thin solid target **[semi-plenary]**
  14. Dieter Hoffmann (Xi'an Jiaotong U.), Overview of the heavy ion beam plasma research **[semi-plenary]**
  15. Shinsuke Fujioka (Osaka University), FIREX (Fast Ignition Realization EXperiment) project in Japan **[semi-plenary]**
  16. F. Albert (LLNL), Betatron x-ray radiation in the self-modulated laser wakefield acceleration regime: prospects for a novel probe at large scale laser facilities **[semi-plenary]**
  17. Farhat Beg (UCSD), High Energy Density Physics **[semi-plenary]**
  18. O.L. Landen (LLNL), Indirect-Drive ICF Progress at NIF
  19. Frederico Fiuza (SLAC National Accelerator Laboratory), Advances in experiments and simulations on astrophysical relevant particle accelerations using laser plasmas
  20. L. Romagnani (Ecole Polytechnique), Dynamics of the Electromagnetic Fields induced by Fast Electrons propagation in Near Solid-Density Media
  21. Marija Vranic (Universidade de Lisboa), Laser-particle interactions at extreme intensities
  22. R. Alessandra (LULI), Warm Dense Matter Studies relevant for planetary science
  23. Alexey Arefiev (UCSD), Leveraging extreme laser-driven magnetic field for intense gamma-ray generation
  24. Gianluca Sarri (Queen's University Belfast), Experimental investigation of strong radiation reaction in the field of an ultra-intense laser
  25. Atul Kumar (IPR), In-Situ Ion Heating With Pulsed CO<sub>2</sub> Lasers
  26. Alexis Casner (CELIA), Turbulent Hydrodynamics Experiments in High Energy Density settings
  27. T. Blackburn (Chalmers University), Radiation reaction in laser-electron beam interactions
  28. Natsumi Iwata (Osaka University), Physics of relativistic picosecond laser interaction with dense plasma
  29. Derek Schaeffer (PPPL), Experimental studies of high Mach number collisionless shocks in magnetized plasmas
  30. Alec Thomas (University of Michigan), Tuning laser wakefield driven betatron x-rays for imaging application
  31. Y. Mori (The Graduated School for the Creation of New Photonics Industries), Compact Fast Ignition experiments using Joule-class drive pulses under counterbeam configuration
  32. Limin Chen (IOP), Gamma ray emission from wakefield accelerated electrons wiggling in laser field
  33. B. Qiao (IAPCM), Stable laser ion radiation pressure acceleration
  34. M. Nishiuchi (QST), Ion acceleration experiments with high contrast high intensity laser system "J-KAREN-P" --How the finite contrast condition affects the laser matter interaction--
  35. G. Fiksel (U. Michigan), Turbulent magnetic reconnection initiated by kinetic instabilities in colliding laser-produced plasmas
  36. Shohei Sakata (Osaka University), Efficient creation of ultra-high-energy-density states by magnetized fast isochoric laser heating
  37. Ram Gopal (Tata Institute of Fundamental Research), Intense Laser Plasma interactions with kHz, mJ class lasers
  38. Woosuk Bang (GIST), Rapid and uniform heating of matter with a laser-driven ion beam
  39. Luca Volpe (CLPU & University of Salamanca), Recent advancement at CLPU Salamanca
  40. Su-Ming Weng (Shanghai Jiao Tong University), Magnetic controlling of high-power laser pulses and their interactions with plasmas
  41. Joerg Schreiber (Universität München), Relativistic laser interaction with isolated micro-plasma
- Space:**
1. Hamid Saleem (IST, Pakistan), Ions shear flow and electron field-aligned current produce ion acoustic waves in the oxygen-hydrogen ionospheric plasma
  2. Vipin K Yadav (SPL / VSSC / ISRO / DOS), Plasma Waves in Universe
  3. Meng Zhou (Nanchang University), MMS Observations of Magnetic Reconnection
  4. Akira Kageyama (Kobe University), MHD relaxation and dynamo in a sphere
  5. Igor Levchenko (Nanyang Technological University), Space Plasma Propulsion for Cubesats and small satellites



6. Bruce Tsurutani (Caltech), The Evolution of Cometary and Interplanetary Plasma Turbulence From Experimental Observations: A New Scenario
7. Tohru Hada (Kyushu University), Anomalous transport of cosmic rays in MHD turbulence
8. Yasuhiro Nariyuki (University of Toyama), Damping processes of large amplitude Alfvén waves in the solar wind
9. S. Matsukiyo (Kyushu University), Microstructure of high beta quasi-perpendicular shock and associated electron dynamics
10. EW Kim (PPPL), Full-wave modeling of ULF wave propagation in the Earth's magnetosphere
11. Hyomin Kim (New Jersey Institute of Technology), Van Allen Probes observations of wave and particle dynamics in the ring current of the Earth's magnetosphere
12. Kunihiro Keika (The University of Tokyo), Mass and charge dependent characteristics of Earth's magnetospheric plasma
13. Xuzhi Zhou (Peking University), Resonant interactions between charged particles and ULF waves: theory and observations
14. Jongho Seon (Kyung Hee University), Space weather monitor KSEM on board the Korean geostationary satellite GEO-KOMPSAT-2A
15. Patrick Axford (Max Planck IPP), Kinetic Instabilities in Space Plasmas: Towards Maximum Realism
16. Chris Crabtree (NRL), Nonlinear Whistler Wave Physics in the Laboratory and in the Radiation Belts
17. Y. Miyoshi (Nagoya University), Relativistic electron acceleration in Earth's Van Allen Belt: Observations from the Arase satellite
18. Takanobu Amano (The University of Tokyo), Particle-in-cell simulations for high Mach number shocks
19. Yuming Wang (USTC), On the twist of magnetic flux ropes in the corona and solar wind
20. Zhigang Yuan (Wuhan University), Recent progress in magnetospheric EMIC waves
21. Feng xueshang (National Space Science and Technology Center), Data driven simulation of solar wind
22. Y. Omura (Kyoto University), Plasma waves with focus on the radiation belts dynamics
23. Yusuke Ebihara (Kyoto University), Magnetospheric dynamics by MHD simulations
24. Du Aimin (Institute of Geology and Geophysics, CAS), Controlling of geomagnetic field on the coupling of solar wind-magnetosphere.
25. Liuyuan Li (Beihang University), Compression-amplified EMIC waves and their effects on relativistic electrons

#### Solar/Astro:

1. Alard Jan van Marle (UNIST), Using combined PIC and MHD to model particle acceleration in galaxy cluster shocks
2. Alina Donea (Monash University), Waves and solar flare seismology from photosphere to corona
3. Rony Keppens (KU Leuven), Magnetic reconnection during eruptive magnetic flux ropes
4. Chun Xia (Yunnan University), MHD simulations on the origin and dynamics of solar prominence plasma
5. Yao Chen (Shandong University), Moving Type-IV Solar Radio Bursts: Observational Characteristics and Possible Emission Mechanism
6. Xin Cheng (Nanjing University), Fractal Magnetic Reconnection in a Current Sheet
7. Yusuke Tsukamoto (Kagoshima University), The formation of protostars and protoplanetary disks with all the three non-ideal MHD effects
8. Kazunari Iwasaki (Osaka University), The phase transition dynamics and the formation of magnetized molecular clouds in the interstellar medium
9. Hui Tian (Peking University), Observations of magnetic reconnection in the partially ionized lower solar atmosphere
10. Jun Lin (Yunnan Astronomical Observatories), Multiple-scale Physics of Coronal Mass Ejection
11. Paul Cally (Monash University), Stairway to Heaven: Multistage propagation of Waves from the Solar Interior to the Corona
12. Cong Yu (Sun Yat-Sen University), Twisted induced Eruptions in magnetars
13. Dongsu Ryu (UNIST), PIC simulations of collisionless shock waves in clusters of galaxies

14. H. Hotta (Chiba University), High Resolution Simulations of Solar Convection Zone and Dynamo
15. J. Cho (Chungnam National University), Measuring properties of magnetic fields in astrophysical fluids
16. Jiansen He (Peking University), Energy dissipation and distribution among particle species for Alfvénic turbulence at kinetic scales in wavenumber space
17. Daniel Price (Monash University), Modeling star formation from first principles
18. T. Suzuki (University of Tokyo), Global Simulations of Magnetic Activities in the Galactic Central Region
19. JC Chae (Seoul National University), Observations and Theory of Three-minute Oscillations in the Sunspot Chromosphere
20. Tetsuya Magara (Kyung Hee University), Evolution of Solar Magnetic Fields - From Emergence to Eruption
21. S. Takasao (Nagoya University), MHD waves and shocks associated with solar reconnection as a model of solar flares
22. Yutaka Ohira (The University of Tokyo), Particle accelerations, plasma instabilities, and collisionless shocks in partially ionized plasmas
23. Feng Yuan (Shanghai Astronomical Observatory), Numerical simulation of black hole accretion disks
24. Shin Toriumi (NAOJ), How Can We Create Flare-producing Sunspots?

#### Magnetic Fusion:

1. Hiroshi Yamada (NIFS), Exploration of isotope effects on thermal and particle transport in Large Helical Device
2. Yeong-Kook Oh (NFRI), Highlight of the KSTAR experimental research to resolve issues in the steady-state high beta operation in ITER and K-DEMO
3. Min Xu (SWIP), Recent advances in the HL-2A experiments
4. Francois Orain (Ecole Polytechnique Paris), Non-linear modeling of the threshold between ELM mitigation and ELM suppression by resonant magnetic perturbations in ASDEX Upgrade
5. H. Park (UNIST), Role of the magnetic shear on the core MHD instabilities (1/1 kink and high order tearing modes) in tokamak plasmas
6. Jaehyun Lee (NFRI), Bifurcation of perpendicular flow and increase of turbulent fluctuations in the transition of ELM-crash suppression
7. Ryosuke Seki (NIFS), Comprehensive magnetohydrodynamic hybrid simulations of fast ion losses due to the Alfvén eigenmodes in the Large Helical Device
8. H. Idei (Kyushu University), Fully Non-inductive Electron Cyclotron Current Ramp-up with Focused 28GHz Beams in the QUEST Spherical Tokamak
9. Fang Ding (ASIPP), Active Control of Plasma Wall Interaction and Core Impurity towards High Performance Long Pulse operation in EAST
10. Sven Wiesen (Forschungszentrum Jülich), modelling radiative power exhaust in view of DEMO relevant scenarios
11. Rafi Nazikian (PPPL), Enhanced grassy-ELM regime enabled by edge-resonant magnetic perturbations in the DIII-D tokamak
12. Eric Fredrickson (PPPL), Global Alfvén eigenmode stability dependence on fast-ion distribution function
13. Kazuaki Hanada (Kyushu University), Fuel particle balance for steady state operation on all-metal fusion experimental device, QUEST
14. Y. Ren (PPPL), Experimental Observation of High-k Turbulence Evolution across L-H Transition in NSTX
15. Andrew Kirk (CCFE), Operating conditions required for ELM suppression based on recent results from ASDEX Upgrade(tbd)
16. Linjin Zheng (University of Texas), MHD stability in negative triangularity tokamaks
17. Felix Warmer (Max Planck, Greifswald), Transport and confinement in Wendelstein 7-X divertor plasmas
18. Yi Liu (SWIP), Recent Progress in Studies of MHD activities and their Control on HL-2A tokamak
19. F. Maviglia (EURUfusion), Overview of DEMO Technology and Scenario Design activities in Europe
20. Tom Wauters (Forschungszentrum Jülich GmbH), Overview of wall conditioning in toroidal devices and efficiency of different techniques at low (RT) and medium wall temperature (200°C)



21. Juhyeok Jang (KAIST), Krypton-induced ELM suppression and internal transport barrier formation in KSTAR plasmas
22. Michael Reinhart (EURUfusion), Progress in European research towards efficient Plasma-Facing Components for ITER and DEMO
23. A. Loarte (ITER-Organization), The ITER Research Plan and supporting R&D in present experiments
24. Hyungho Lee (NFRI), Divertor target heat and particle flux dynamics during long term RMP-ELM suppressed regimes in KSTAR
25. Jeronimo Garcia (CEA), Optimization of high beta steady-state scenarios at TCV in support of JT-60SA
26. Young-Seok Park (Columbia University), Investigation of MHD instabilities and active mode control supporting disruption
27. Seung-Gyou Baek (MIT), Observation of efficient lower hybrid current drive at reactor-level densities on Alcator C-Mod
28. DB Weisbergd (GA), Development and extension of the non-inductive high beta poloidal regime to ITER relevant dimensionless parameters on DIII-D
29. Rudolf Neu (Max Planck, Garching), Plasma Wall Interaction Research at IPP for ITER and beyond
30. Rui Ding (ASIPP), Recent progress in understanding of high-Z material erosion and re-deposition in tokamaks with a mixed materials environment
31. Qingwei Yang (SWIP), Progress of the HL-2M tokamak
32. Ahmed Diallo (PPPL), Energy Exchange Dynamics across L-H transitions in NSTX
33. A. Ito (NIFS), The growth of tungsten fuzzy nanostructure by BCA-MD-KMC multi-hybrid simulation
34. M. Baruzzo (EUROfusion), JET disruption mitigation and avoidance in support of DT operation and ITER
35. Saskia Mordijck (The College of William and Mary), Role of fueling versus transport in determining the core density profile
36. Jun Cheng (SWIP), Pedestal dynamics in high-intermediate-high confinement transitions on HL-2A
37. W.C. Lee (NFRI), Study of quasi-coherent modes in KSTAR ECH and ohmic plasmas
38. Jae-Min Kwon (NFRI), Gyrokinetic Simulation Study of Magnetic Island Effects on Neoclassical Physics and Micro-Instabilities in a Realistic KSTAR Plasma
39. S. Kobayashi (Kyoto University), Study of operation scenarios for high density plasma formation in Heliotron J
40. H. Cai (USTC), Influence of toroidal rotation on magnetic islands in tokamaks
41. Mengdi Kong (SPC, EPFL), Integrated control on TCV including real-time monitoring, supervision and actuator management
42. Xingquan Wu (ASIPP), Modeling research of isotopic effect on H-mode threshold power for tokamak plasma
43. Jianbin Liu (ASIPP), H-mode detachment with ITER-like tungsten divertor operation in EAST
44. Wei Chen (SWIP), Suppression of  $m=1/1$  fishbone and destabilization of  $m=2/1$  fishbone activities during NBI on HL-2A
45. Fulvio Auriemma (RFX), Study of transport modulation by magnetic islands in different magnetic configurations
46. Jonathan Citrin (EUROfusion), First-principles-based and tractable flux-driven turbulent transport modelling in tokamaks
47. Harshita Raj (IPR), Control of Magnetohydrodynamic modes by periodic gas-puffing in ADITYA and ADITYA-Upgrade Tokamak
48. P. Martin (RFX), Overview of the divertor tokamak test facility project

### [15] Evening Talks

There will be evening talks at 19:00-20:00 on Monday, Tuesday and Wednesday.



Delong Luo [Nov.12]  
Chinese National Fusion Program



Tony C. Kim [Nov.13]  
Overview of Air Force Office  
of Science & Research (AFOSR)



E. Michael Campbell [Nov.14]  
The status and prospects of ICF and  
HEDS program at US



Toru Yamada [Nov.12]  
Future Vision and Plan for  
the Astronomical Space  
Missions in Japan



Mitsuru Kikuchi [Nov.13]  
Status of AAPPS-DPP



Sylvie Jacquemot [Nov.14]  
European Laser Program



## [16] Committees

### 16.1 International Organizing Committee (IOC)

**IOC Chair:** Kunioki Mima (GPI)

**IOC Co-chairs:** Mitsuru Kikuchi (QST), Baonian Wan (ASIPP), Hyeon Park (UNIST), Abhijit Sen (IPR)

#### **IOC members:**

Liu Chen (Zhejiang University)

*Endorsed Societies:* John Cary (Colorado University, APS-DPP chair), Richard Dendy (University of Warwick, EPS-DPP chair), Sadao Masamune (Kyoto Institute of Technology, JPS (Plasma)), Xiaogang Wang (Harbin Institute of Technology, CPS-DPP Chair), Hyyong Suk (GIST, KPS-DPP Chair), Prabal K Chattopadhyay (IPR, PSSI President), Kazunari Shibata (Kyoto University, ASJ President), Yasuharu Omura (Kyoto University, SGEPPS Vice President), Yoshiaki Kato (GPI, LSJ President), Mineo Hiramatsu (Meijo University, JSAP-DPE Chair), Zensho Yoshida (University of Tokyo, JSPF President), Rajdeep S. Rawat (Nanyang Technological University, AAAPT President), Matthew Hole (ANU, Australian ITER Forum Chair)

*Fundamental:* Akira Hasegawa (Osaka University), Robert Dewar (Australian National University), Patrick Diamond (University of California San Diego), Sanae-Inoue Itoh (Kyushu University), Chio-Zhong Cheng (National Cheng Kung University), Chuan Sheng Liu (University of Maryland), Yasushi Ono (University of Tokyo), Guoyang Fu (Zhejiang University), Taiku Soo Hahn (Seoul National University), Yoshi-Yuki Hayashi (Kobe University)

*Basic:* Shin-Hung Chen (National Central University), Yasuaki Kishimoto (Kyoto University), Tomohiko Watanabe (Nagoya University), Rajaraman Ganesh (Institute for Plasma Research), Lin I (National Central University), A.A. Mamun (Jahangirnagar University), Yaming Zou (Fudan University), Kwo Ray Chu (National Taiwan University), Wonhoe Choe (KAIST), Chiow-San Wong (University of Malaya), Oi Hoong Chin (University of Malaya), Osamu Ishihara (Chubu University), Choong-Seock Chang (Princeton Plasma Physics Laboratory), Hiroshi Akatsuka (Tokyo Institute of Technology)

*Applied:* Jung-Sik Yoon (NFRI), Masaharu Shiratani (Kyushu University), Rikizo Hatakeyama (Tohoku University), Francis F. Chen (University of California Los Angeles), Yi-Kang Pu (Tsinghua University), Masaru Hori (Nagoya University), Paul Kim Ho Chu (City University of Hong Kong), Suk Jae Yoo (NFRI), Roderick Boswell (Australian National University), Ashish Gangul (Indian Institute of Technology), Deepak Prasad Subedi (Kathmandu University), Sor Heoh Saw (Nilai University), Mudtorlep Nisoa (Walailak University), S. Ling Yap (University of Malaya)

*Laser:* Amita Das (IPR), Ryosuke Kodama (Osaka University), Hitoki Yoneda (University of Electric Communication), Testuya Kawachi (QST), Chang Hee Nam (GIST), Xian-Tu He (Peking University), Zheng Ming Sheng (SJTU), Heinrich Hora (University of New South Wales), G. Ravindra Kumar (Tata Institute of Fundamental Research), Toshiki Tajima (University of California Irvine), Sylvie Jacquemot (Ecole Polytechnique), E. Michael Campbell (University of Rochester), Youichi Sakawa (Osaka University)

*Space & Geomagnetism:* Xiaohua Deng (Nanchang University), Ryoichi Fujii (ROIS), Zuyin Pu (Peking University), Lou-Chuang Lee (Academia Sinica), Donald B. Melrose (University of Sydney), Lin Ni Hau (National Central University), Bimla Buti (Buti Foundation), Iver Cairns (University of Sydney), Dong-Hun Lee (Kyung Hee University), Yu Lin (Auburn University)

*Solar and Astro:* Ryoji Matsumoto (Chiba University), Kanya Kusano (Nagoya University), Peng-Fei Chen (Nanjing University), Dongsu Ryu (UNIST), Arnab Rai Chaudhuri (Indian Institute of Science), Jingxiu Wang (University of Chinese Academy of Science), Hantao Ji (Princeton University)

*Magnetic Fusion:* Xuru Duan (SWIP), Yeong Kook Oh (NFRI), Takaaki Fujita (Nagoya University), Akio Komori (National Institutes of Natural Science), Tomohiro Morisaki (National Institute of Fusion Science), Mori Masahiro (QST), Shashank Chaturvedi (Institute for Plasma Research), Sibylle Guenter (Max Planck Institute for Plasma Physics), Richard J. Hawryluk (Princeton Plasma Physics Laboratory), Anthony Donne

(EuroFusion), Alain Becoulet (CEA Cadarache), Tony Taylor (General Atomics), Francois Waelbloeck (University of Texas), Ian Chapman (CCFE)

*APCTP:* Won Namkung (APCTP), *LOC:* Yoshihiko Uesugi (Kanazawa University)

### 16.2 Scientific Program Committee

General PC chair: M. Kikuchi (QST)

General PC Co-chair: B. Wan (ASIPP)

Scientific program will be categorized into following 8 fields following 7 Program Committees.

#### 1. **Cross Disciplinary (CD) PC:**

P. Diamond (Chair), XG Wang (Co-chair), YY Hayashi (Co-chair),

Peng Fei Chen (Nanjing University), Susanna Cappello (Conorzio RFX), Katsumi Ida (NIFS), Steven Tobias (Leeds U), Won-Ha Ko (NFRI), R. Matsumoto (Chiba University), Hailhong Che (NASA Goddard Center)

#### 2. **Fundamental (F) PC:**

GY Fu (Chair), Z. Yoshida (Co-chair), TS Hahn (Co-chair),

Zhe Gao (Tsinghua U.), Hogun Jhang (NFRI), Hideo Sugama (NIFS), Xavier Garbet (CEA), Stewart Prager (PPPL)

#### 3. **Basic (B) PC:**

Y. Kishimoto (Chair), SH Chen (Co-chair), AA Mamun (Co-chair), H. Akatsuka (Co-chair), A. Sen (Co-chair),

M. Yagi (QST), Choong-Seock Chang (PPPL/US), R. Ganesh (IPR), F. Jenko (UC Irvine), H. Totsuji (Okayama University), Yaming Zou (Fudan University), K. Nagaoka (NIFS), NamYong Un (NFRI), Yi Liu (SWIP), T. Ando (Tohoku University), H. Himura (Kyoto Institute of Technology), Milan Šimek (Czech Academy of Science), K. R. Chu (National Taiwan University)

#### 4. **Applied (A) PC:**

JS Yoon (Chair), M. Shiratani (Co-chair), YH Song (Co-chair),

Osamu Sakai (The University of Shiga Prefecture), Eun Ha Choi (Kwangwoon University), Mohan Sankaran, (Case Western University), Holger Kersten, (Christian-Albrechts-Universität zu Kiel), Sudeep Bhattacharjee, (Indian Institute of Technology – Kanpur), Dheerawan Boonyawan (Chiang Mai University), Yap Seong Ling (University of Malaya), Rajdeep Singh Rawat (Nanyang Technological University), AB Murphy (CSIRO, NSW), Hernando S. SALAPARE III (University of the Philippines), XinPei Lu (Huazhong University of Science & Technology)

#### 5. **Laser (L) PC:**

A. Das (Chair), Y. Sakawa (Co-chair), ZM Sheng (Co-chair), CH Nam (Co-chair),

Ravindra Kumar (Tata Institute of Fundamental Research), M. Krishnamurthy (Tata Institute of Fundamental Research), Yuji Fukuda (QST), Yasuhiko Sentoku (Osaka University), Jian Zheng (USTC), Yongkun Ding (Institute of Applied Physics and Computational Mathematics), Kitae Lee (KAERI), Hyung Taek Kim (APRI/GIST), Heinrich Hora (University of New South Wales), Brian Reville (Queen's University, Belfast), Chen Hui (LLNL)

#### 6. **Space and Geomagnetism (S) PC:**

Xiaohua Deng (Chair), Yoshiharu Omura (Co-chair),

Masahiro Hoshino (U. Tokyo), Tohru Hada (Kyushu U.), Akira Kageyama (Kobe University), Zong qiang (Peking University), Lin-Ni Hau (National Central University), James F. Drake (University of Maryland), Jörg Büchner (Max-Planck-Institut für Sonnensystemforschung)

#### 7. **Solar and Astro (SA) PC:**

R. Matsumoto (Chair), PF Chen (Co-chair), D. Ryu (Co-chair), K. Shibata (Co-chair),

Shu-ichiro Inutsuka (Nagoya University), Feng Yuan (Shanghai Astronomical Observatory), Iver Cairns (University of Sydney), Arnab Choudhuri (Indian Institute of Science), Ronald E. Taam (ASIAA), Hantao Ji (Princeton University), Rony Keppens (KU Leuven), Siming Liu (Purple Mountain Observatory), Hui Li (Los Alamos National Laboratory), Kyung-Suk Cho (KASI).

#### 8. **Magnetic fusion (MF) PC:**

X. Duan (Chair), T. Fujita (Co-chair), YK Oh (Co-chair),

Ge Zhuang (USTC), Min Xu (SWIP), Liang Wang (ASIPP), Kazunobu Nagasaki (Kyoto U.), Kenji Tanaka (NIFS),



Kouji Shinohara (QST), Gunsu Yun (POSTECH), Siwoo Yoon (NRFI), Suk-ho Hong (NRFI), Joydeep Ghosh (IPR), Matthew Hole (ANU), Tuong Huang (CEA), George McKee (UW-Madison)

### **16.3 Local Organizing Committee (LOC)**

LOC Chair: Yoshihiko Uesugi (Kanazawa University)

LOC members:

Yasunori Tanaka (Kanazawa University), Tatsuo Ishijima (Kanazawa University), Yukihiro Soga (Kanazawa University), Ritoku Ando (Kanazawa University), Daisuke Yonetoku (Kanazawa University), Tatsuya Sawano (Kanazawa University),

Naoki Oosawa (Kanazawa University), Yasuhiro Nariyuki (Toyama University), Yuji Hatano (Toyama University), Hiroaki Ito (Toyama University), Hayato Ohashi (Toyama University), Yoshinori Tatematsu (Fukui University), Kazuaki Hanada (Kyushu University), Masayoshi Nagata (Hyogo P. University), Satoshi Hamaguchi (Osaka University), Haruhiko Himura (KIT), Noriyasu Ohno (Nagoya University), Shunjiro Shinohara (TUAT), Yuichi Takase (University of Tokyo), Yousuke Nakashima (Tsukuba University), Hajime Sakakita (AIST), Akira Ando (Tohoku University), Koichi Sasaki (Hokkaido University), Keiko Kawanishi (LOC secretary)

## **[17] Publication to RMPP and PFR (Plasma and Fusion Research)**

Review papers related to the conference topics are encouraged to be submitted to AAPS-DPP official journal RMPP (Reviews of Modern Plasma Physics) at <https://www.springer.com/physics/atomic,+molecular,+optical+&+plasma+physics/journal/41614>

Original articles related to the conference topics are encouraged to be submitted to Plasma and Fusion Research (PFR), which is an electronic open journal published by the Japan Society of Plasma Science and Nuclear Fusion Research. This journal is covered in J-STAGE, Scopus (Elsevier product), and Emerging Sources Citation Index (ESCI, Clarivate Analytics). Each submitted paper will be put through a peer-review process by the special guest editors, and those submissions that are accepted will be published as regular articles in the journal.

Note:

- 1) The first author of the proceedings paper is expected to be the same as the first author on the presentation at the conference.
- 2) The submission fee and the reprint fee are NOT included in the registration fee.
- 3) Please submit the article through the web.  
<http://www.jspf.or.jp/PFR/information.html>  
<https://www.editorialmanager.com/pfr/Default.aspx>
- 4) Maximum number of pages are as follows: Plenary/Invited/Oral: 8 pages, Poster: 4 pages
- 5) The submission deadline is Dec. 1.
- 6) Publication charge is shown in the following page.

The author is requested to pay publication charge of ¥3,000 Japanese Yen per article plus ¥5,000 Japanese Yen per page. For an article that exceeds 11 journal pages, a mandatory page charge of ¥10,000 Japanese Yen will be added for each page in excess of 11 pages.



## [18] AAPPS-DPP Prizes

### 18.1 2018 Subrahmanyan Chandrasekhar Prize of Plasma Physics

Selection of 2018 Chandrasekhar Prize of Plasma Physics is under way and the winner will give first plenary talk in this conference.



AAPPS-DPP

## Nomination Guidelines for 2018 S. Chandrasekar Prize

January 10, 2018, DPP executive committee

Any DPP members may submit one nomination or seconding letter for the prize in any given year. A nomination should include: A letter evaluating the nominee's qualifications in the light of the particular features of the prize and identifying the specific work to be recognized.

Nomination statement shall include:

1. Name of nominee (only one person)
2. Citation
3. Description of scientific accomplishments and its significance
4. CV of the nominee
5. Full list of publication with WoS citation for each paper (for possible papers recorded in WoS) and Google Scholar citation (inc. Books). Some information on published journal impact factor. You may use ResearcherID (<http://www.researcherid.com/Home.action>).
6. Seconding letters from four leading plasma physicists each letter less than 3 pages. Seconding letters are not limited from DPP member.
7. Commitment letter by the nominee to be able to participate AAPPS-DPP2018 to give an invited talk and to write a review article to the DPP's RMPP journal and the title of the paper.

DPP shall not give not more than once of this prize to the same recipient. The names of the Prize Selection committee will be posted on the DPP homepage only after its decision. The nomination statement shall be sent to the DPP chair ([kikuchi.mitsuru@qst.go.jp](mailto:kikuchi.mitsuru@qst.go.jp)) electronically.

2018 S. Chandrasekhar Prize is sponsored by Division of Plasma Physics, AAPPS. Medal will be contributed by PSSI. The nomination deadline for 2018 S. Chandrasekar Prize is March 20, 2018 in Japan time.

Past recipients:

2014 : Prof. Setsuo Ichimaru

2015 : Prof. Predhiman Kaw

2016 : Prof. Donald B. Melrose

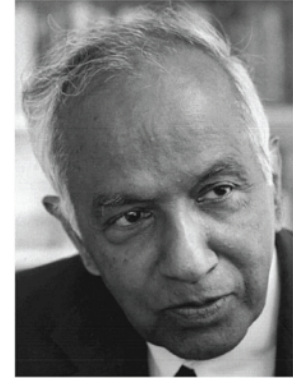
2017 : Prof. C.Z. Cheng, Prof. Lou C. Lee

### 1. Foundation of S. Chandrasekar Prize

Subrahmanyan Chandrasekhar (1910-1995) was an Indian-American astrophysicist who was awarded the 1983 Nobel Prize for physics for his theory of black hole. He worked in various areas including plasma physics. Plasma physics community is benefited from his works through his textbooks such as "Principles of stellar dynamics (1942)", "Plasma Physics (1975)", "Hydrodynamics and Hydromagnetic stability (1981)".

In 2014, we have established the Division of Plasma Physics under AAPPS. Asia-Pacific region is rapidly growing economically and scientifically. A large number of new programs on various fundamental and applied aspects of plasma physics are emerging in several countries of Asia and the Pacific regions. Young people taking up careers in plasma science in these regions look forward to the prestige of recognition by their peers and this becomes more

equitable when your peers are intimately familiar with your work. This will also give a "sense of accomplishment" to the Asia-Pacific region as a whole because the body of significant work already pioneered by the Awardees will be ascribed to this region. The executive committee of division of plasma physics after consultation to I-HAC (International Honorary Advisory Committee) decided to establish Plasma Physics Prize after S. Chandrasekar to recognize seminal/pioneering works in this field.



*S. Chandrasekhar*

### 2. Description of the S. Chandrasekar Prize

The Chandrasekhar Prize is awarded by the Division of Plasma Physics of the AAPPS to recognize outstanding contributions to experimental and/or theoretical research in fundamental plasma physics and plasma applications in all fields of physics.

- i) **Rule:** This Prize will be given to an AAPPS-DPP member who has made seminal / pioneering contribution to any field of plasma physics or plasma applications as stated above.
- ii) **Nomination:** Necessary documents and time schedule for nomination will be announced in the DPP home page. DPP seeks outstanding nominations worldwide and especially from the Asia-Pacific region.
- iii) **Selection:** Selection will be made by the Chandrasekhar Prize Selection Committee annually.
- iv) **Selection Committee:** DPP-ExCo will appoint Chair and members of selection committee taking into account of the I-HAC recommendations.
- v) **Award Ceremony:** Certificate, Medal and a cash award will be bestowed to the awardees at the APPC conference held every three years.
- vi) **Obligations:** Chandrasekhar awardees should deliver invited talks in the APPC as well as contribute review papers to the DPP journal.





## 18.2 AAPPS-DPP Young Research Award 2018

Nomination is under way and the winner will give a talk at this conference. Nomination deadline extended to June 15.



## Call for AAPPS-DPP Young research award 2018

2018.04.04 AAPPS-DPP

AAPPS-DPP recognizes young research scientists not more than 40 by AAPPS-DPP young research award since 2016. We will select 2018 winners along with our annual conference held at Kanazawa during Nov. 12-17, 2018. See past recipients at <http://aappsdp.org/AAPPSDPPF/awardtable.html>.

Selection committee will be formed under the chairmanship of Prof. Liu Chen (DPP's I-HAC chair). Nomination shall be sent to DPP chair ([kikuchi.mitsuru@qst.go.jp](mailto:kikuchi.mitsuru@qst.go.jp)) before **May 31**.

- [1] Eligibility: AAPPS-DPP member who, by the date of nomination deadline, is 40 years old or younger.
- [2] Qualification: Played a leading role in making a significant research contribution(s) to plasma physics.
- [3] Nomination package: No self-nomination.
  1. Candidate's bio-sketch includes date of birth and citation metrics (WoS total cite and H-index).
  2. Candidate's list of referred journal publications including citations numbers (WoS).
  3. Nomination letter: Nominator must be a AAPPS-DPP member.
  4. Supporting letters: Maximum at two. Writers not limited to AAPPS-DPP members.
  5. Significant publications in PDF format: Maximum at two.
- [4] The recipients will be notified that she/he has to participate and present his/her work in order to receive the award (unless due to some justifiable reasons). We will officially announce the winners at the AAPPS-DPP meeting. This means candidate must submit contributed abstract by **May 31**.
- [5] Committee will select at maximum one winner from each sub-discipline. Winner will receive US\$500 and a certificate.



### **18.3 AAPPS-DPP U30 Doctoral Scientist / Student Award 2018**

Nomination is under way and the winner will give a talk at this conference. Nomination deadline extended to June 15.



## **AAPPS-DPP U30 Doctoral Scientist / Student Award 2018**

2018.04.16 AAPPS-DPP

This award recognizes exceptional U30 (under 30 years old) scientists/students who have performed original work of outstanding scientific quality and achievement in the area of plasma physics.

Selection committee will be formed under the chairmanship of Prof. Kunioki Mima (IOC chair). Nomination shall be sent to DPP chair ([kikuchi.mitsuru@qst.go.jp](mailto:kikuchi.mitsuru@qst.go.jp)) before **May 31**.

#### **[1] Establishment & Support**

This award is established and endowed in 2018 by IFE-Forum <http://www.ilt.or.jp/forum/index.html>

#### **[2] Eligibility and Qualification**

Nominations will be accepted for AAPPS-DPP member U30 young scientist and doctoral student who have published original papers successfully within the preceding 36 months of the current nomination deadline.

#### **[3] Nomination Package**

1. Nominee's contact information, publication list, and CV
2. Nominator's letter of not more than 1,000 words evaluating the nominee's qualifications for the award (self-nomination is not allowed).
3. At least one, but no more than four, seconding letters.
4. The nominee's main paper which will be evaluated as the work for the award

#### **[4] Winner**

1. Winner should give an oral talk on the awarded work at the AAPPS-DPP 2018.
2. Committee will select at maximum five winners. Winner will receive a certificate and US\$300.