Aug 5, 2025
Association of Asia-Pacific Physical Societies (AAPPS)
Division of Plasma Physics (AAPPS-DPP)

Subrahmanyan Chandrasekhar Prize of Plasma Physics

– Professor Qiu-Gang Zong is selected as 12th (2025) Laureate –

The Division of Plasma Physics (CEO: Mitsuru Kikuchi, Chair: Rajdeep Rawat) under the Association of Asia Pacific Physical Societies (President: Hyoung Joon Choi) has selected Professor Qiu-Gang Zong of the Peking University/Macao University of Science and Technology as the 12th (2025) Laureate of S. Chandrasekhar Prize of Plasma Physics, which is awarded to scientist who have made seminal / pioneering contributions in the field of plasma physics.

Citation:

Qiu-Gang Zong : For *his exceptional scientific achievements in space plasma physics, especially his breakthrough contributions in identifying acceleration mechanisms of radiation belt electrons via drift resonance with ultra-low-frequency waves excited by interplanetary shocks impacting the Earth's magnetosphere, and in developing innovative energetic particle instruments for space investigations.*

Certificates of 2025 S. Chandrasekhar Prize of Plasma Physics

Certificate, medal and cash prize will be given at the 9th Asia-Pacific Conference on Plasma Physics (AAPPS-DPP2025) Sept. 21-26, 2025 at Fukuoka International Convention Center, Fukuoka, Japan.

Contact points :
AAPPS-DPP Association Inc. : Representative Director and CEO, Mitsuru Kikuchi, TEL: +81-80-1115-3482
AAPPS-DPP Homepage Address : http://aappsdpp.org/AAPPSDPPF/index.html

On the achievements of Professor Qiu-Gang Zong

Prof. Qiu-Gang Zong

Prof. Qiu-Gang Zong was born in 1965 at Jiangxi in China. He received his Bachelor degree of Science degree in Physics from Sichuan University, China, in 1986, and his Ph.D. in Geophysics under the supervision of Dr B Wilken and Prof. K -H Glassmeier from the Max-Planck-Institut für Sonnensystemforschung and Technische Universität Braunschweig, Germany, in 1999. After holding postdoctoral and research scientist positions at the Max-Planck Institute fur Aeronomie in Germany and a JSPS fellowship at Waseda University in Japan, he continued his research in the United States, serving as a Senior Research Associate at Boston University and later as a Research Professor at the University of Massachusetts Lowell. In 2007, he moved to China as a "Yangtze" Professor at Peking University, where he also served as the Director of the Center of Planetary and Space Sciences. Since September 2023, he has served as Director and Chair Professor of the State Key Laboratory of Lunar and Planetary Sciences at the Macau University of Science and Technology (MUST) in Macao, China.

Prof. Zong is a pioneering figure in space plasma physics, renowned for his groundbreaking contributions to understanding particle acceleration, cross-scale energy transfer, and space weather dynamics. His seminal discovery of ultra-low-frequency (ULF) wave-driven "killer electron" acceleration in Earth's radiation belts (GRL 2007, JGR, 2009) resolved a decades-long mystery in space physics. This study revealed how interplanetary shocks excite poloidal-mode ULF waves, which are characterized by electric field oscillations in the east-west direction—a same direction as the electron drift motion around Earth. The shock-induced poloidal waves then accelerate electrons to hazardous energies via drift resonance, a wave-particle resonance process now applied across planetary magnetospheres. It was hailed by ESA as critical to understanding space hazards and ranked among Discover magazine's "Top 100 Science Stories of 2007."

As an instrument innovator, Prof. Zong led the development of Peking University's Imaging Electron Spectrometer (IES), deployed on twelve Chinese satellites. Data from these instruments have propelled the Chinese space weather forecast capabilities from zero to international competitive levels (Space Weather, 2018). Especially, his team's forecast model of "killer electrons" has been incorporated into the standard operational forecast model of the Chinese National Space Weather Center (CNSWC). Besides, Prof. Zong leads a PKU team to develop a novel energetic neutral atom (ENA) Imager, designed to provide high-sensitivity ENA imaging of the space storms in Earth and other planets, as well as the heliospheric outer boundaries. He also serves as PI for particle spectrometers on various mission and as co-I on major international missions, including Cluster, Double Star, BepiColombo, and Solar Orbiter.

Prof. Zong's research impact is globally recognized, with total citation of 11,024 in Web of Science (h-index=53) and 14,936 in Google Scholar (h-index=61) as of June 2025. His outstanding accomplishments have earned him numerous prestigious awards, including Fellowship of the American Geophysical Union (AGU) in 2023, the Hannes Alfvén Medal from the European Geosciences Union (EGU) in 2020, the SCOSTEP Distinguished Scientist Award (2020), and the COSPAR Vikram Sarabhai Medal (2018)

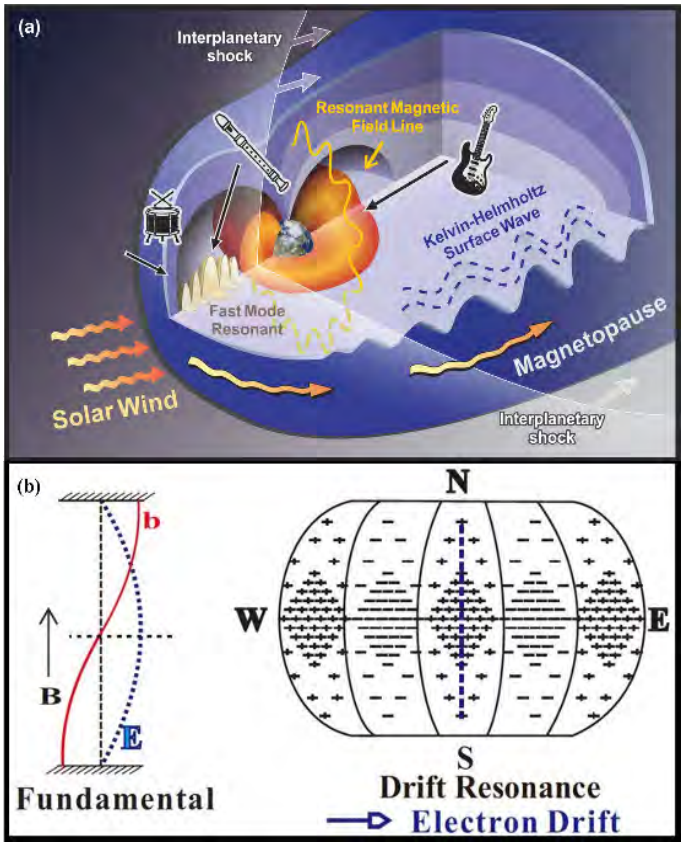


Figure 1(left). Prof. Zong revealed how "killer electrons", high-energy electrons hazardous to spacecraft and astronauts, are accelerated in Earth's radiation belts through interactions with ultra-low-frequency (ULF) waves. When interplanetary shocks strike the magnetopause like a drumstick's sudden impact, the entire system reverberates at its natural frequency. These vibrations may synchronize with oscillations of geomagnetic field lines, generating powerful Field Line Resonances (FLRs), as if a celestial musician were plucking the strings of Earth's magnetic guitar. When the drifting period of energetic electrons matches the FLR period, wave-particle drift resonance occurs, enabling a sustained energy transfer from solar wind to magnetospheric particles.

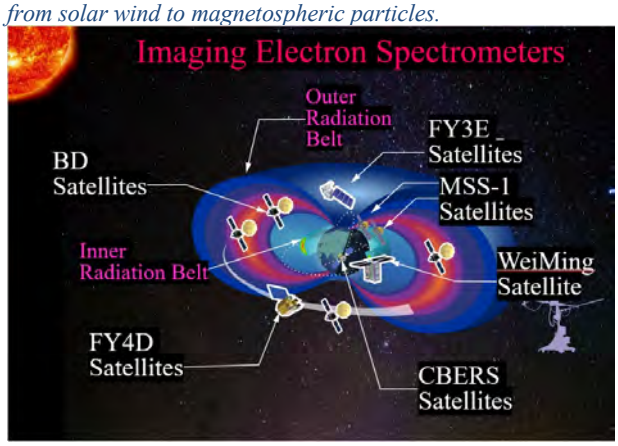


Figure 2. Prof. Zong led the development of Peking University's Imaging Electron Spectrometer (IES), deployed on twelve Chinese satellites. IES monitors "killer electrons" and have propelled the Chinese space weather forecast capabilities.

Appendix:

1. **Subrahmanyan Chandrasekhar**

Astrophysicist born in India. He received the Nobel Prize in Physics in 1983 *for his theoretical studies of the physical processes of importance to the structure and evolution of stars,* including the Chandrasekhar limit on the mass of white dwarf stars. His research covered several broad areas, as seen from his texts, which included *Principles of Stellar Dynamics* (1942), *Hydrodynamic and Hydromagnetic Stability* (1961), and an influential book based on his lecture notes in *Plasma Physics* (1960).

2. **AAPPS: Association of Asia-Pacific Physical Societies**

（HP: http://www.aapps.org/main/index.php）

The Association of physical societies in the Asia Pacific region founded by the Nobel Laureate in Physics C.N. Yang, and Professor Akito Arima in 1983. The AAPPS held the 12th Asia Pacific Physics Conference under the president (at that time) Shoji Nagamiya in Makuhari, Japan. The current president is Professor Hyoung Joon Choi, Yonsei University, Korea.

3. **AAPPS-DPP: Division of Plasma Physics, AAPPS**

（HP : http://aappsdpp.org/AAPPSDPPF/index.html ）

The first division under the AAPPS based on the success of the plasma physics program in the APPC-12. This division was formed in January 2014 based on the recommendation of Professor Nagamiya at the AAPPS council. From Nov 28, 2018, AAPPS-DPP becomes legal entity http://aappsdpp.org/DPPhoujin/index.html .

4. Subrahmanyan Chandrasekhar Prize of Plasma Physics

Subrahmanyan Chandrasekhar Prize of Plasma Physics is a top plasma physics prize founded by the AAPPS-DPP in July 2014 and is endorsed by AAPPS. This prize is given to a plasma physicist annually for pioneering and/or seminal contribution to plasma physics. The prize recipients were Professor S. Ichimaru (2014), Professor P. Kaw (2015), Professor D. Melrose (2016), Professors C.Z. Cheng and Lou C. Lee (2017), Professor Toshiki Tajima (2018), Professors Liu Chen and Kazunari Shibata (2019), Professor Hyeon Park (2020), Professor Taik Soo Hahm (2021), Professor Arnab Rai Choudhuri (2022), Professor Katsumi Ida (2023), Professor Pisin Chen (2024) (http://aappsdpp.org/AAPPSDPPF/prizetable.html).

The 2025 Selection Committee composed of leading plasma physicists in Asia-Pacific region.

Chairman :
Professor Lou-Chuang Lee (Academia Sinica)
Members :
Prof. Yasushi Todo(NIFS)
Prof. Yoshiharu Omura(Kyoto University)
Prof. Abraham Chian (Univ. of Adelaide)
Prof. Michael Wheatland (Univ. of Sydney)
Prof. Sung-Hee Park (Korea University)
Prof. Jae-Min Kwon(KFE)
Prof. Rajaraman Ganesh (IPR)
Prof. Ravindra G Kumar (TIFR)
Prof. Lin I (National Central University)
Prof. Yutong Li (Institute of Physics, CAS)
Prof. Wulyu Zhong(SWIP)

中央研究院
地球科學研究所
Institute of Earth Sciences, Academia Sinica
128, Sec. 2, Academia Road, Nangang, Taipei,
Taiwan, ROC
Tel: 886-2-27839910,
http://www.earth.sinica.edu.tw

To,
Dr. Mitsuru Kikuchi, Finstl
Representative Director
& CEO, AAPPS-DPP
Chairman, Reviews of Modern
Plasma Physics

Professor Lou-Chuang Lee
Academician: Academia Sinica
The World Academy of Science (TWAS)
International Academy of Astronautics (IAA)
International Academy of Engineering (IAE)/RAE
Foreign Member of the US National Academy of Engineering

July 16, 2025

Dear Professor Kikuchi :

I have great pleasure in conveying to you the decision of the Selection Committee regarding the S. Chandrasekhar Prize 2025:

The Selection Committee recommends that the AAPPS-DPP S. Chandrasekhar Prize for Plasma Physics for the year 2025 be awarded to Professor Qiugang Zong of China.

The proposed award citation for the awardee is listed below:

Qiugang Zong : *"For his exceptional scientific achievements in space plasma physics, especially his breakthrough contributions in identifying acceleration mechanisms of radiation belt electrons via drift resonance with ultra-low-frequency waves excited by interplanetary shocks impacting the Earth's magnetosphere, and in developing innovative energetic particle instruments for space investigations."*

With Best Regards,
Sincerely,

Lou-Chuang Lee
Chair,
Selection Committee of S. Chandrasekhar Prize 2025.

Press Release

Aug 5, 2025
Association of Asia-Pacific Physical Societies (AAPPS)
Division of Plasma Physics (AAPPS-DPP)

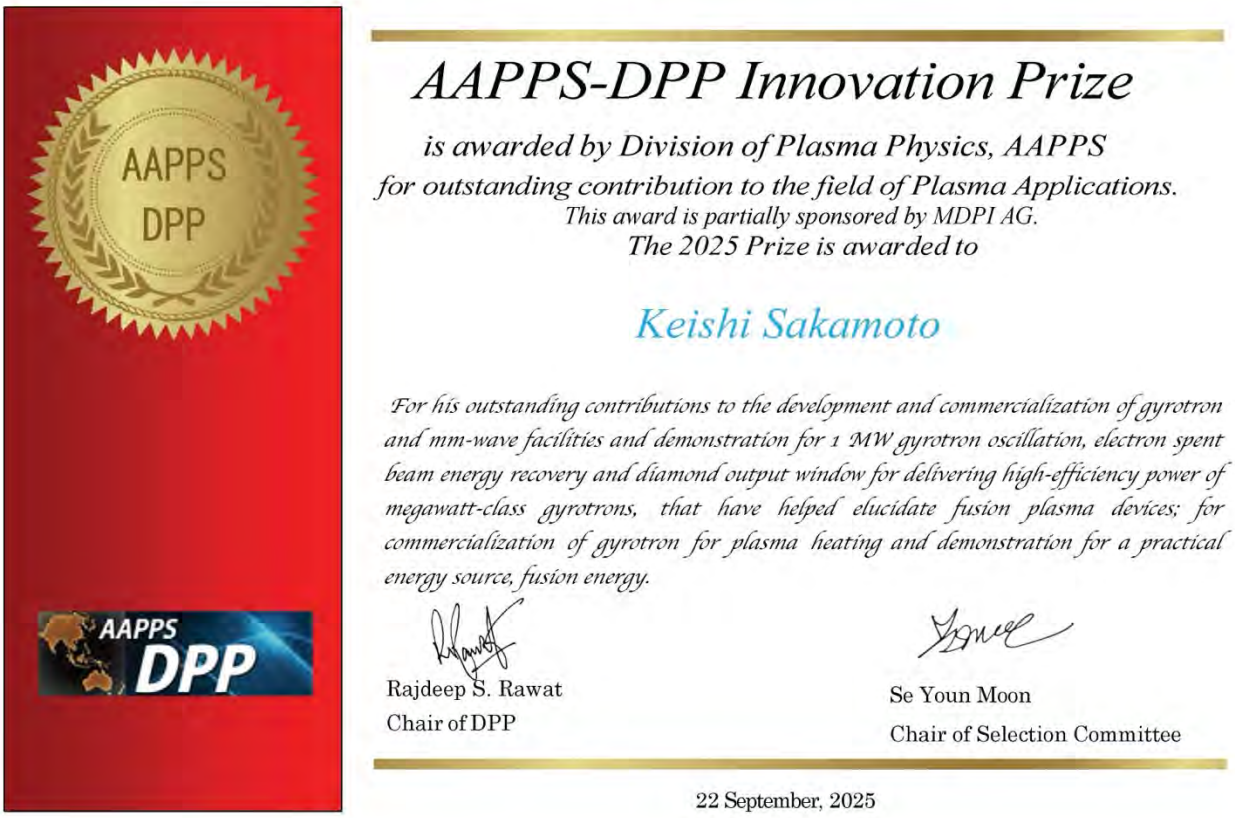
AAPPS-DPP Plasma Innovation Prize

– Dr Keishi Sakamoto is selected as Seventh Laureate (2025) –

The Division of Plasma Physics (CEO: Mitsuru Kikuchi, Chair: Rajdeep S. Rawat) under the Association of Asia Pacific Physical Societies (President: Hyoung Joon Choi) selected Dr Keishi Sakamoto of Kyoto Fusioneering as the 7th Laureate of AAPPS-DPP Plasma Innovation Prize, which is awarded to scientists who have made seminal / pioneering contributions in the field of plasma applications, focusing on impacts on industry.

Citations:

Keishi Sakamoto: *For his outstanding contributions to the development and commercialization of gyrotron and mm-wave facilities and demonstration for 1 MW gyrotron oscillation, electron spent beam energy recovery and diamond output window for delivering high-efficiency power of megawatt-class gyrotrons, that have helped elucidate fusion plasma devices; for commercialization of gyrotron for plasma heating and demonstration for a practical energy source, fusion energy.*



Certificates of 2025 Plasma Innovation Prize

Certificate, medal and cash prize will be given at the 9th Asia-Pacific Conference on Plasma Physics (AAPPS-DPP2025) Sept. 21-26, 2025 at Fukuoka International Congress Center.

Contact point：AAPPS-DPP Association Inc. : Representative Director and CEO, Mitsuru Kikuchi,
TEL: +81- 80-1115-3482, AAPPS-DPP Homepage Address：http://aappsdpp.org/AAPPSDPPF/index.html

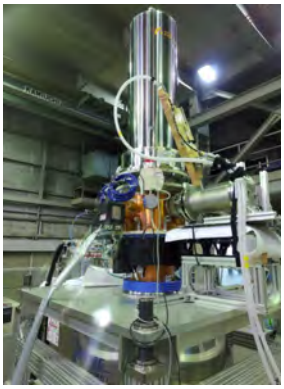
Press Release

On the achievements of Dr Keishi Sakamoto

Dr.Keishi Sakamoto

Dr.Keishi Sakamoto was born in Fukuoka, Japan in 1957 and received his PhD in Science at Kyushu University, Japan. Since 1981, he has been a research scientist for plasma heating technology at Japan Atomic Energy Institute (whose activity is taken over by National Institute for Quantum Science and Technology). He is a leader of research and development team of high power mm wave source "gyrotron" and accomplished many innovative achievements on Megawatt gyrotron, such as high order volume mode oscillation, energy recovery, diamond window and hard self-excitation mode, leading world gyrotrons for Fusion Energy. He moved to start-up company Kyoto Fusioneering Ltd (KF). since 2021, and as CTO of KF he is contributing to the plasma and fusion communities by developing and delivering high power gyrotrons to the world-wide ECH systems of institutes and fusion start-up companies. And, he served as a guest professor of University of Tsukuba, National Institute of Fusion Science, Fukui University and Kyoto University. In addition, he won many prizes including EPS Plasma Physics Innovation Prize, IEEE John R.Pierce Award, The commendation for Science and Technology by the minister of Education, Culture, Sports, Science and Technology (Japanese government).
The followings are his major achievement.

Firstly, He achieved 50% conversion efficiency on the 0.5MW 110GHz gyrotron from the DC input power to the mm-wave power by employing the energy recovery system. Previously, the gyrotron efficiency had been typically 20~30%. After this success, the gyrotron and electron cyclotron plasma heating were considered as a major heating tool for large sized magnetic confinement device such as ITER. Efficiency improvement brought about the significant reduction of power supply capacity, power deposition to the collector, and cooling system capacity. This gyrotron was selected as "Essential Historical Materials for Science and Technology" by National Museum of Nature and Science of Japan. (K.Sakamoto, et al., Phys.Lev.Lett.,**73**,26,3532 (1994))

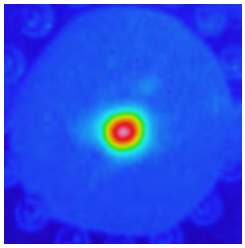


Multi-Frequency Gyrotron

Secondary, He demonstrated experimentally 1MW/170GHz power generation with the CW-compatible high order oscillation mode, which is mandatory for high field tokamak plasma such as ITER. (K. Sakamoto, et al., Nucl. Fusion **43**, 729(2003) & **49**,095019(2009))

Thirdly, the bottle neck of the MW-CW gyrotron was output window. He enabled the demonstration of MW-long pulse operation using the diamond output window. Before the diamond, the temperature increase of the window was so drastic to be impossible MW-CW operation. The edge cooled diamond window was developed with an EU-JA collaboration led by him, and the diamond window was installed to the 170GHz gyrotron. As a result, the stabilization of the window temperature was demonstrated, and opened the way toward the 1MW/CW operation. After the success, the ECH system was employed on the JT-60U, and electron temperature of 300M Kelvin was obtained using 110GHz gyrotrons with the diamond window.

Fourthly, the achievement of 1MW class CW gyrotron. The major obstacle of the gyrotron oscillation at high order mode is the mode competition. By active control of the electron beam parameters during the oscillation, 1MW CW operation was achieved with an unprecedented efficiency of 55% in the so-called hard excitation region. It was found that an adjacent resonant mode previously expected to compete with and adversely affect the principal operating mode does not jeopardize but rather helps this mode as a result of nonlinear effects. Also, 0.8MW 1hour operation was demonstrated at 57 % efficiency. (K.Sakamoto, et al., Nature Phys.**3**, p.411 (2007))



Power Profile of 236GHz wave at the window

The fifthly, He developed multi-frequency gyrotron by finding the best array of oscillation modes, and beautiful microwave beams were obtained at each frequencies, i.e, 104GHz, 137GHz, 170GHz, 203GHz and 236GHz. By changing the magnetic field and the applying voltage, users can select the frequency. Picture is a multi-frequency gyrotron, and the profile of 236GHz mm-wave beam measured at the output window.

Press Release

Appendix: 2025 AAPPS-DPP Plasma Innovation Prize

AAPPS-DPP Plasma Innovation Prize was founded by the AAPPS-DPP in 2019. This prize is given to a plasma physicist/engineer annually to recognize outstanding contributions to experimental and/or theoretical research in all fields of plasma applications, focusing on impacts on industry. The prize recipients were Professor Roderick Boswell (2019), Masaru Hori (2020), Dr. Anthony B Murphy (2021), no winner (2022), Takayuki Watanabe (2023), Miran Mozetic(2024). The 2025 Selection Committee composed of leading physicists of plasma application mostly in Asia Pacific region.

Selection committee:
Chairman: Prof. Se Young Moon (Jeonbuk National University)
Members:
Prof Nor Aishah Saidina Amin (University of Technology Malaysia)
Prof Minsup Hur (Ulsan National Institute of Science and Technology(UNIST))
Prof Ke Lan (Institute of Applied Physics and Computational Mathematics(IAPCM))
Prof Guosheng Xu (Institute of Plasma Physics, CAS)
Prof Alphonsa Joseph (Institute for Plasma Research)
Prof. D.N. Gupta (University of Delhi)
Prof Tsun-Hsu Chang (National Tsinghua University)
Prof Ana Sobota (Eindhoven University of Technology)
Prof Toshiro Kaneko (Tohoku University)
Prof Kazunori Takahashi (Tohoku University)

전북대학교 JEONBUK NATIONAL UNIVERSITY

Se Youn Moon, Ph.D

Professor/Director

Department of Quantum System Engineering

High-enthalpy Plasma Research Center

Jeonbuk National University, Republic of Korea

Phone: +82-219-533

E-mail: symoon@jbnu.ac.kr

https://top.jbnu.ac.kr/pedal

Dear Prof. Mitsuru Kikuchi

It is my great honor in conveying the decision of the Selection Committee of the AAPPS-DPP Plasma Innovation Prize (PIP) 2025. The Selection Committee recommends that the AAPPS-DPP PIP for the year of 2025 be awarded to Dr. Keishi Sakamoto from Kyotofusioneering, Ltd.

The proposed award citation for the awardee is as follows:

Dr. Keishi Sakamoto: For his outstanding contributions to the development and commercialization of gyrotron and mm-wave facilities and demonstration for 1 MW gyrotron oscillation, electron spent beam energy recovery and diamond output window for delivering high-efficiency power of megawatt-class gyrotrons, that have helped elucidate fusion plasma devices; for commercialization of gyrotron for plasma heating and demonstration for a practical energy source, fusion energy.

The committee reviewed the evaluation scores and comments carefully and had a discussion regarding the selection of awardee. The awardee was unanimously approved by committee members who submitted their evaluations through e-mail (11 out of 12 committee members participated in the discussion)

Committee members for Plasma Innovation Prize 2025

Prof. Se Youn Moon (Chiar), Prof. Ana Sobota, Prof. Ke Lan, Prof. Toshiro Kaneko, Prof. Guosheng Xu, Prof. Alphonsa Joseph, Prof. D N Gupta, Prof. Tsun-Hsu Chang, Prof. Minsup Hur, Prof. Kazunori Takahashi, Prof. Nor Aishah Saidina Amin

Your sincerely

Professor Se Youn Moon

Chair, Selection Committee of AAPPS-DPP Plasma Innovation Prize 2025

Press Release

Aug. 5, 2025
Association of Asia-Pacific Physical Societies (AAPPS)
Division of Plasma Physics (AAPPS-DPP)

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

The Division of Plasma Physics (CEO: Mitsuru Kikuchi, Chair: Rajdeep Singh Rawat) under the Association of Asia Pacific Physical Societies (President: Hyoung Joon Choi) selected 7 scientists **under 40** for **AAPPS-DPP Young Researcher (U40) Award** and 6 scientists **under 30** for **Kunioki Mima U30 Doctoral Scientist / Student Award**.
Sub-discipline in plasma physics, names, affiliations are as follows.

AAPPS-DPP Young Researcher (U40) Award winners:

1.	Fundamental plasma physics	: Dr. Gyungjin Choi	KAIST
2.	Basic Plasma Physics	: Dr. Yangfang Fu	Tsinghua University
3.	Applied plasma physics	: Dr. Atsushi Komuro	AIST
4.	Laser plasma physics	: Dr. Yanfei Li	Xi'an Jiaotong University
5.	Space/Geomag plasma physics	: Dr. San Lu	USTC
6.	Solar/Astro plasma physics	: Dr. Feng Chen	Nanjing University
7.	Magnetic Fusion plasma physics	: Dr. Naoki Kenmochi	National Institute for Fusion Science

Kunioki Mima U30 Doctoral Scientist / Student Award winners:

1.	Laser plasma physics	: Dr. Xinzhe Zhu	Shanghai Jiao Tong University
2.	Basic plasma physics	: Dr. Shaoyu Lu	Soochow University
3.	Applied plasma physics	: Dr. Vikas Rathore	Walailak University/IPR
4.	Space plasma physics	: Dr. Jing-Huan Li	Swedish Institute of Space Physics/PKU
5.	Magnetic Fusion plasma physics	: Dr. Yeongsun Lee	Seoul National University
6.	Solar/Astro plasma physics	: Dr. Zihao Yang	High Altitude Observatory-NCAR/PKU

Certificate, plate and cash prize will be given at the 9th Asia-Pacific Conference on Plasma Physics in Sep. 22, 2025 at Fukuoka, Japan.

Contact points：
AAPPS-DPP Representative Director and CEO, Mitsuru Kikuchi (AAPPS-DPP Association Inc.)
TEL: +81-80-115-3482, E-mail: aapps.dpp.ceo@gmail.com
AAPPS-DPP Homepage Address：http://aappsdpp.org/AAPPSDPPF/index.html

Press Release

AAPPS-DPP Young Researcher (U40) Award

AAPPS-DPP recognizes young research scientists who made a significant research contribution(s) to plasma physics at AAPPS affiliation not more than 40 by AAPPS-DPP young researcher award since 2016. Past recipients (2016-2024) can be found at http://aappsdpp.org/AAPPSDPPF/youngawardtable.html

This year(2025), 22 candidates are nominated from AAPPS-DPP members, who published papers in leading journals. Selection committee are formed and selected 7 winners including 1 female winner by rigorous evaluation.

U40 Winner	Field, Name and Affiliation	Citation
	[Fundamental Discipline] Gyungjin Choi KAIST	*For his fundamental contributions to the understanding of the role of zonal flow dynamics in fast ion induced plasma turbulence reduction and the vortex evolution inside a magnetic island*
	[Basic Plasma] Yangfang Fu Tsinghua University	*For his significant contributions to the understanding of partially ionized gas discharges at microscales and the development of scaling laws for low-temperature plasmas*
	[Applied Plasma] Atsushi Komuro AIST	*For his significant contributions to understanding of fundamental plasma physics questions, especially concerning low-temperature plasmas, energy exchange, and molecular relaxation mechanisms, in addition to translating his findings into practical technological advances*
	[Laser] Yanfei Li Xi'an Jiaotong University	*For her outstanding contributions to the laser-driven polarized sources, particularly the original breakthroughs in the theoretical model, numerical method and physical mechanisms*
	[Space/Geomagnetism] San Lu University of Science and Technology of China (USTC)	*For his significant contributions to understanding of magnetic reconnection, plasma transient processes/structures and their global impacts in geospace*
	[Solar/Astro] Feng Chen Nanjing University	*For his significant contributions in simulating the sunspot formation and coronal heating, which shed important light on our understanding of these solar phenomena*
	[Magnetic Fusion] Naoki Kenmochi National Institute for Fusion Science	*For his outstanding contributions to understanding of the mechanism of nonlocal transport through advanced multiscale diagnostic instrument in magnetic fusion*

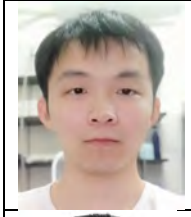
2025 U40 Selection committee:
Chairman: Prof. Hyyong Suk (GIST, KR)
Members: Prof. Amita Das (Indian Institute of Technology Delhi, IN)
Prof. Arnab Rai Choudhuri (Indian Institute of Science-Bangalore, IN)
Prof. Tomo-Hiko Watanabe (Nagoya University, JP)
Prof. Kazunori Koga (Kyushu University, JP)
Prof. Linghua Wang (Peking University, CN)
Prof. Tsun-Hsu Chang (National Tsing Hua University, TW)
Prof. Xavier Garbet (Nanyang Technological University, SG)
Prof. Yunfeng Liang (Forschungszentrum Jülich GmbH, DE)
Prof. Dominique Escande (Aix-Marseille Université, FR)

Press Release

Kunioki Mima U30 Doctoral Scientist / Student Award

AAPPS-DPP 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 with current institution or nationality is required to be in the AAPPS region since 2018 sponsored by IFE Forum. Past recipients (2018-2024) can be found at http://aappsdpp.org/AAPPSDPPF/U30awardtable.html

From this year (2025), award name is changed after Prof. Kunioki Mima (founder of U30 award). 24 candidates are nominated from AAPPS-DPP members, who published papers in leading journals. Selection committee are formed and selected 6 winners by rigorous evaluation.

Mima awardee	Field, Name, Affiliation	Citation
	**[Laser]** Xinzhe Zhu Shanghai Jiao Tong University	*For contributions to the experimental demonstration of intense laser guiding and wakefield acceleration in curved plasma channels*
	**[Basic]** Shaoyu Lu Soochow University	*For contributions to the understanding of various microscopic mechanisms of solid dusty plasmas, including internal friction, elasticity, and plasticity*
	**[Applied]** Vikas Rathore Walailak University/ Institute for Plasma Research	*For contributions to the physics, chemistry, and applications of non-thermal plasma interactions with liquids*
	**[Space]** Jing-Huan Li Swedish Institute of Space Physics/ Peking University	*For contributions to advancing our understanding of nonlinear wave-particle interactions through spacecraft observations*
	**[Magnetic Fusion]** Yeongsun Lee Seoul National University	*For contributions to our understanding of startup runaway electron generation in fusion plasmas and extending the Dreicer-mechanism to weakly-ionized plasmas*
	**[Solar&Astro]** Zihao Yang High Altitude Observatory-NCAR / Peking University	*For contributions to global-scale coronal magnetic field measurements, with significant implications for space weather forecasting and heliospheric magnetic field modeling*

2025 Kunioki Mima U30 award Selection committee:
Chairman: Prof. Sudeep Bhattacharjee (Indian Institute of Technology, Kampur, IN)
Vice chair: Prof. Kazuo Tanaka (the University of Osaka and IFE Forum, JP)
Members: Prof. Lin I (National Central University, TW)
Prof. Lu Wang (Huazon University of Science and Technology, CN)
Dr. Won-Ha Ko (Korean Institute of Fusion Energy, KR)
Dr. Anthony Murphy (CSIRO, AU)
Prof. Nor Saidina Amin (Universiti Teknologi Malaysia, MY)
Prof. Troy Carter (ORNL/UCLA, US)
Prof. Hantao Ji (Princeton University, US)