Call for 2025 S. Chandrasekhar Prize Nomination

January 9, 2025, AAPPS-DPP Board of Directors

Any DPP members (excluding Chair, Chair-elect, CEO and members of selection committee) may submit one nomination or a seconding letter for this prize in any given year. A nomination should include a letter evaluating the nominee's qualifications in the light of the features of the prize and identifying the specific works to be recognized.

Use attached "Nomination Form" for the nomination, strictly following the template provided:

Section 1: Nomination and Undertaking by Nominee: Fill in all requested details in Section 1 of the "Nomination Form". The nominator's nomination letter and seconding letters (<3pages) should be attached.
Section 2: Biographical details of nominee: Fill in all requested details in Section 2 of the "Nomination Form". No separate CV is needed.
Section 3: Scientific contributions of the Nominee: Fill in all requested details in Section 3 of the "Nomination Form". Attach copies of nominee's five best papers. Please provide links to Web of Science (WoS) and Google Scholar citation records.
Section 4: Full list of publication (including books): List should include WoS citation number for each paper (for possible papers recorded in WoS) and Google Scholar citations (including Books). Use Web of Science (https://access.clarivate.com/login?app=wos). Include information on the journal impact factor for important papers.
Attachments:
- Nominator's nomination letter (<3 pages).
- Seconding letters from four leading plasma physicists, each less than 3 pages (not limited to DPP members).
- Copies of the nominee's five best papers.

Note: Winner(s) shall submit the review paper to RMPP in about 8 months after the AAPPS-DPP-annual conference.

Nomination is valid for two years, but submission of updated package is welcomed in the second year. The DPP shall not award this prize more than once to the same recipient. The names of the Prize Selection committee members will be posted on the DPP homepage only after the decision is made. The award ceremony will be held in AAPPS-DPP annual conference.

The nomination package shall be sent electronically to the DPP CEO (aapps.dpp.ceo@gmail.com) using attached template and converted to pdf. The deadline for 2025 S. Chandrasekar Prize nomination is March 31, 2025 in Japan time.

DPP calls for sponsorship for 2025 S. Chandrasekhar Prize. The medal will be contributed by PSSI (Plasma Science Society of India).

Past Laureates (Web of Science records):
2014 : Prof. Setsuo Ichimaru
2015 : Prof. Predhiman Kaw
2016 : Prof. Donald B. Melrose (https://www.webofscience.com/wos/author/record/1483866)
2017 : Prof. C.Z. Cheng (https://www.webofscience.com/wos/author/record/340456),
        Prof. Lou C. Lee (https://www.webofscience.com/wos/author/record/525633)
2018 : Prof. Toshiki Tajima (https://www.webofscience.com/wos/author/record/1655688)
2019 : Prof. Liu Chen (https://www.webofscience.com/wos/author/record/I-2297-2013),
        Prof. Kazunari Shibata
2020 : Prof. Hyeun Park
2021 : Prof. Taik Soo Hahm
2022 : Prof. Arnab Rai Choudhuri (https://www.webofscience.com/wos/author/record/1590418)
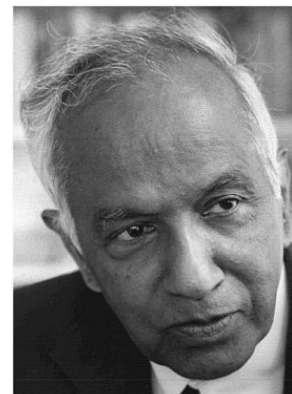2023 : Prof. Katsumi Ida (https://www.webofscience.com/wos/author/record/1447363)
2024 : Prof. Pisin Chen (https://www.webofscience.com/wos/author/record/IAO-8769-2023)

Appendix   **S. Chandrasekar Prize of Plasma Physics**

AAPPS-DPP Board of Directors

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 stelar dynamics (1942)", "Plasma Physics (1975)", "Hydrodynamics and Hydromagnetic stability (1981)".

In 2014, we established the Division of Plasma Physics under AAPPS. The 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-Pacific region. Young people pursuing 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 also gives 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 the 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.

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 awarded 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 the nomination timeline 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 chair, Chair-elect and CEO will appoint Chair and members of selection committee.

v) **Award Ceremony**: A certificate, medal and a cash award will be bestowed to the awardees at the AAPPS-DPP annual conference.

vi) **Obligations**: Chandrasekhar awardee(s) must deliver invited/plenary talks in the AAPPS-DPP annual conference as well as contribute review papers to the DPP journal (Reviews of Modern Plasma Physics, https://link.springer.com/journal/41614).

2025 Nomination form for the S. Chandrasekhar Prize of AAPPS-DPP

Note: Please carefully prepare all parts of the nomination form, including Section 1- 4. After completing and signing the form, please make the pdf of the file and submit the pdf files only. Please arrange Section 2-4 starting from new pages.

Section 1: Nomination and Undertaking by Nominee

The Nominee

Name	
Affiliation	
Membership ID number	

The Nominator*

Name	
Affiliation	
Membership ID number	

Nomination letter should be limited to maximum of three pages.

Seconding persons*

Name #1	
Affiliation	
Name #2	
Affiliation	
Name #3	
Affiliation	
Name #4	
Affiliation	

*Not limited to AAPPS-DPP members but must be from well-known experts in the field. Each seconding letter should be limited to maximum of three pages, signed and on the letterhead of the expert seconding the nomination.

Proposed citation for the Award (less than 50 words):

Signature of Nominator: Date:

Undertaking by Nominee

I, _____, hereby agree that if selected for the *S. Chandrasekhar Prize*, I will participate and present an invited talk at the AAPPS-DPP2024 annual conference. Furthermore, I agree to write a review article for the *Reviews of Modern Plasma Physics* and submit it within a period of eight months after the conference (i.e. 10, July, 2025) with following title.

Title of RMPP paper (tentative):

Date: Signature of Nominee

For Office use

Date of Receipt:
Whether considered earlier: Yes/No
If Yes, years of consideration:

Section 2: Biographical Details of Nominee

#	Item	Description		
1	**Full name:**			
2	**Title/current position:**			
3	**Affiliation:**			
4	**e-mail ID:**			
5	**Date and place of birth:**			
6	**Nationality:**	**Present:**		**Past (if any):**
7	**Education :** PhD Master Bachelor	Year	Degree	University/Institution
8	**Career History** (in reverse chronological order)	*e.g.** *1. Professor, University of XYZ, PQR (Present – 2008)* *2. Associate Professor, University of XYZ, PQR (2008 – 2002)* *3. Associate Professor, University of XYZ, PQR (2002 – 1996)*		
9	**Journal Services:** (Editorships and Editorial Board Memberships)	*e.g.** *1. Associate Editor of RMPP* *2. Associate Editor of XYZ* *3. Editorial Board Member of XYZ*		
10	**Visiting Positions:**	*e.g.** *1. Guest Professor, Kyoto University (1999-2002)* *2. Visiting Professor, Chinese Academy of Science (2010-2012)*		
11	**Society Services:**	*e.g.** *1. President of XYZ Association of Physics (2012-2020)* *2. Council member of XYZ, (2020-present)* *3. XYZ committee member, US National Academy of Science (2014-2016)*		
12	**Memberships:**	*e.g.** *1. Member, Chinese Physical Society* *2. Member, Division of Plasma Physics, AAPPS*		
13	**PhD thesis advisor:**	**Name, Affiliation, title, year** 1. 2. 3.		
14	**List of past scientific awards/recognitions of nominee** *e.g.** *1. Elected member, TWAS (year)* *2. XXX Medal, Australian Institute of Physics (year)* *3. Young Researcher Ward (U40), AAPPS-DPP (year)*			
15	**Personal or Institutional web page (if any)**			

Please replace light grey text by relevant information.

Section 3: Scientific Contributions of the Nominee

1	**Critical summary of the most seminal/original contributions of the nominee in plasma physics (<200 words).**

2	**Description of scientific accomplishments and its significance (Max 5 categories, <200 words each)**
	e.g. * *[1] Theory of XXX: He played pioneering role in theories of XXX [12, 18, 125]. Nature Paper [12] is seminar paper based on gyro-fluid approximation and PRL paper [17] gave gyro-kinetic theory of XXX providing accurate damping rate consistent with experimental observation.* *[2] Theory of YYY:* *[3]* *[4]* *[5]*

3	**Five best papers and description of its seminal/original contribution to plasma physics (each<200 words). [In case of multi-authored publications the specific contribution of the nominee in each such paper should be indicated.]**
	e.g. * *[1] XXX YYY, et al., "Discovery of XXX", Nature, VV, zzzz(YYY)* *Significance: This paper reported theoretical prediction of XXX by the author. Later his prediction is confirmed experimentally by SSS (PRL2000). It creates new field of plasma physics and attracted huge number of WoS citations over 2000.Nowadays, more than 1000 scientists are working for application of XXX.* *[2] XXX YYY, et al., "Kinetic theory of XXX", Physical Review Letters, VV, zzzz(YYY)* *Significance:* *[3]* *Significance:* *[4]* *Significance:* *[5]* *Significance:*

4	**Nominee' Publication** (**total numbers** only, details later)	**Refereed Journal Papers**	
		Books	

5	**Nominee's Citation Summary (Inc. books)**	**WoS Citation Count**:	**WoS H-index**:
		Google Scholar Citations:	**Google Scholar H-index**:

6	**Link to Nominee's**	Copy links below:* [example is 2018 laureate and replace to nominee's link]	
	Google Scholar Web of Science	*https://scholar.google.com/citations?user=qwN3bpIAAAAJ&hl=en* *https://www.webofscience.com/wos/author/record/1655688*	

Please replace light grey text by relevant information.

Section 4: Full list of publications (including books)

1. **Format of entry**: In order of higher citation number in Google scholar. Each paper in order of Authors, Paper/Book/Book Chapters title, Journal/Publisher name, volume, pages, and year. Refer sample.
2. For each entry, **all co-authors should be listed**. We will use it to check COI with Selection Committee members.
3. **Nominee's name should be in bold**. **Put # mark** if the nominee is the corresponding author or the co-first author.
4. **For important 5 papers,** Highlight the cell with <mark>light yellow colour</mark> for five best papers. Please mention the impact factor (IF) and the DOI for these important papers.

#	Paper (authors, paper title, journal volume, year, page) / Book (authors, book title, publisher, year) with candidate name in bold	WoS cites	Google cites
1	**A B First,** C D Second, E Third#, and F G Fourth, Physical Review Letters **xx**, zz (YYY). IF – 7.6, DOI: https/…	450	600
2	**A B First,** E Third, C D Second and F G Fourth, Journal of Astro Plasma **37**, 3337 (2021).	300	450
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Extend or delete the number of rows, as needed, to present the full list of publications. Replace the grey sample text with actual information of the nominee.

Attachments:

1. Nominator's nomination letter of less than 3 pages.
2. Seconding letters from four leading experts in the field of less than 3 pages each. The experts need not be AAPPS-DPP members.
3. Copy of the 5 best papers of the nominee as listed above.

The completed form with the above attachments should be submitted by email to the DPP CEO at (aapps.dpp.ceo@gmail.com) **in one pdf file** before the deadline stipulated in the announcement.