

**AAPPS 36<sup>th</sup> Council Meeting, Dec.2-3, 2017, Kuala Lumpur, Malaysia**

# **Report from Publication WG**

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- 1.Charge from AAPPS President**
- 2.Bulletin issue**
- 3.Status of Division journals**
- 4.Cooperation with member society's journals**
- 5.Cooperation with APS/EPS journals**

# 1. President's charge to the publication WG:

- The working group on publication is to promote the current publications, such as AAPPS Bulletin and RMPP, and to start new journals, and to promote the cooperation and exchanges among the journals within the AP area. The working group on publication have to think of matters in a wider point of view, and in a long term. You may also consider the policies on journals of AAPPS, and its divisions. These policies will guide the development of publications in the future.

## **Answer to the president's charge:**

- **Policy on Journal of AAPPS: AAPPS Bulletin shall be a key activity of the AAPPS on the dissemination of scientific information.**
- **Policy on Journal of AAPPS divisions: AAPPS shall encourage its Divisions to create journals of their field according to its autonomy. It should have cooperation with related journals of the member societies and also those of APS and EPS.**

### 3. AAPPS Division Journals:

- Among 3 divisions, only DPP has its official Journal “Reviews of Modern Plasma Physics (RMPP)”.
- Publication WG encourages forthcoming divisions and will help divisions by informing past experiences of division journal.

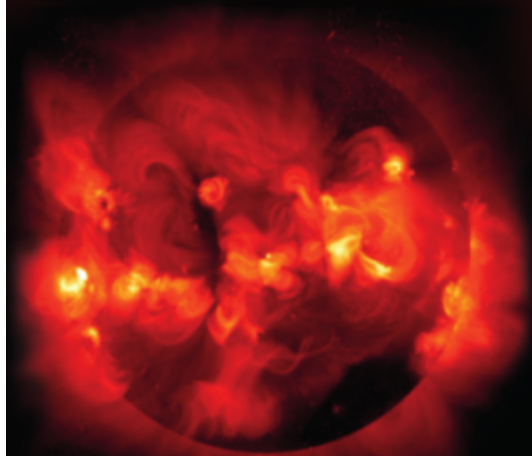
#### **RMPP:**

High quality international review journal specialized in plasma physics. First publication : June 16 2017. Term of initial contract: first contract is 5 years subject to renewal. Journal model is *hybrid journal model*, i.e. a subscription journal with an option to choose open access. If author wants to select open access, he/she has to pay. If not, free charge and authors will get USD 100\$ book voucher. Until 31 Dec. 2018, it will be fully open access and all articles will be closed access (subscription) since 1 Jan. 2019. Publication model is *Continuous article publishing* model. Merit for AAPPS-DPP members is *free access to individual DPP members* but not for institutional members. S. Chandrasekhar prize laureates are requested to write review papers.

# AAPPS Division journal



## REVIEWS OF MODERN PLASMA PHYSICS



Springer

### Editorial Board Structure and Editors



Chairman  
Mitsuru Kikuchi



Honorary Editor  
Robert Dewar

#### D0. Fundamental Plasma Physics



Chief Editor  
Talk Soo Hahn



Associate Editor  
Rajaraman Ganesh



Associate Editor  
Y. Ono

#### D1. Basic Plasma Physics



Chief Editor  
Rod W. Boswell



Associate Editor  
Tomo-Hiko Watanabe



Associate Editor  
A.A. Mamun

#### D2. Applied Plasma Physics



Chief Editor  
Yi-Kang Pu



Associate Editor  
Masaharu Shiratani

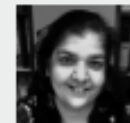


Associate Editor  
Felipe Iza

#### D3. Laser Plasma Physics



Chief Editor  
Kunikida Mima



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Amrita Das



Associate Editor  
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#### D4. Space Plasma Physics



Chief Editor  
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Associate Editor  
Dong-Hun Lee

#### D5. Solar and Astro Plasma Physics



Chief Editor  
Kazunari Shibata



Associate Editor  
Peng-Fei Chen



Associate Editor  
Ryoji Matsumoto

# Division Journals [ Status of RMPP]

Following articles are on line.

1. G.K. Park, et al., (review paper) Shocks in collisionless plasma (44p).
2. P.K. Kaw, (Chandrasekhar lecture) Nonlinear laser-plasma interactions (42p).
3. H. Tanaka et al., (review paper) State of the art in medical applications using non-thermal atmospheric pressure plasma (89p).
4. P.H. Yoon, (review paper) Kinetic Instabilities in the solar wind driven by temperature anisotropies (69p).
5. D. B. Melrose, (Chandrasekhar lecture), Coherent emission mechanisms in astrophysical plasmas (81p).
6. S. Ichimaru, (Chandrasekhar lecture), Phase transitions, interparticle correlations, and elementary processes in dense plasmas (60p)
7. R. Hatakeyama, (review paper) Nanocarbon materials fabricated using plasmas (110p)
8. A. Sen, (obituary) Predhiman Krishan Kaw (4p)
9. H. Sugama, (review paper) Modern gyrokinetic formulation of collisional and turbulent transport in toroidally rotating plasmas (73p)
10. Qiugang Zong, et al., (review paper) The interaction of ultra-low-frequency pc3-5 waves with charged particles in Earth's magnetospheres

**RMPP publish Summary papers of AAPPS-DPP 2017 and PST (IOP) will have Special Issue on AAPPS-DPP 2017 as plasma journal in host country.**

*Example of cooperation between AAPPS journal and national journals!*

# Report on APS-DPP Publication Committee:

APS has 16 divisions [<http://www.aps.org/membership/units/index.cfm>]

1) Atomic, Molecular & Optical physics (DAMOP), 2) Astrophysics (DAP), 3) Biological Physics (DBIO), 4) Chemical Physics (DCP), 5) Computational Physics (DCOMP), 6) Condensed Matter Physics (DCMP), 7) Fluid Dynamics (DFD), 8) Gravitational Physics (DGRAV), 9) Laser Science (DLS), 10) Material Physics (DMP), 11) Nuclear Physics (DNP), 12) Particles and Fields (DPF), 13) Physics of Beams (DPB), 14) Plasma Physics (DPP), 15) Polymer Physics (DPOLY), 16) Quantum Information (DQI)

Among them, **only 3 divisions (DPP, DNP, DPB) has publication committee.**

**APS-DPP Publication Committee** (S. Sabbagh chair): It is held during APS-DPP annual meeting. Plasma related journals exchanges information. MK joined and introduced **RMPP** as chair of the journal.

## Publications and Editors

1. Journal of Plasma Physics (Bill Dorland / Beth Woodhouse)
2. Physics of Plasmas (Michael Mael / Brian Solis)
3. Nuclear Fusion (Freddy White (for Yasmin McGlashan))
4. Plasma Physics and Controlled Fusion (Richard Dendy / Freddy White)
5. Plasma Sources Science and Technology (Richard Dendy / Freddy White)
6. Physical Review Letters (Serena Dalena)
7. Physical Review E (Brant Johnson / Dirk Jan Bukman)
8. Physical Review Accelerators and Beams (Debbie Brodbar)
9. Reviews of Modern Physics (Wim Leemans)
10. IEEE Transactions on Plasma Science (Steve Gitomer)
11. Contributions to Plasma Physics (Michael Bonitz)

## Report (34pages) Example

2016 published papers

Phys. Rev. Lett.: 2383(plasma 134) [23%(28%)]

Rev.Mod.Phys.: (plasma&beam 4)

L. Chen, Bostedt, Pellegrini, Ostrikov

Phys. Rev E: 2340 (plasma 114) [56%(46%)]

Physics of Plasmas: 1414 [65%]

IEEE Tr. Plasma Science: 475 [61%]

Nuclear Fusion: 315 [72%]

Plasma Sources Science and Technology: 210 [40%]

J. Plasma Physics: 116 [47%]

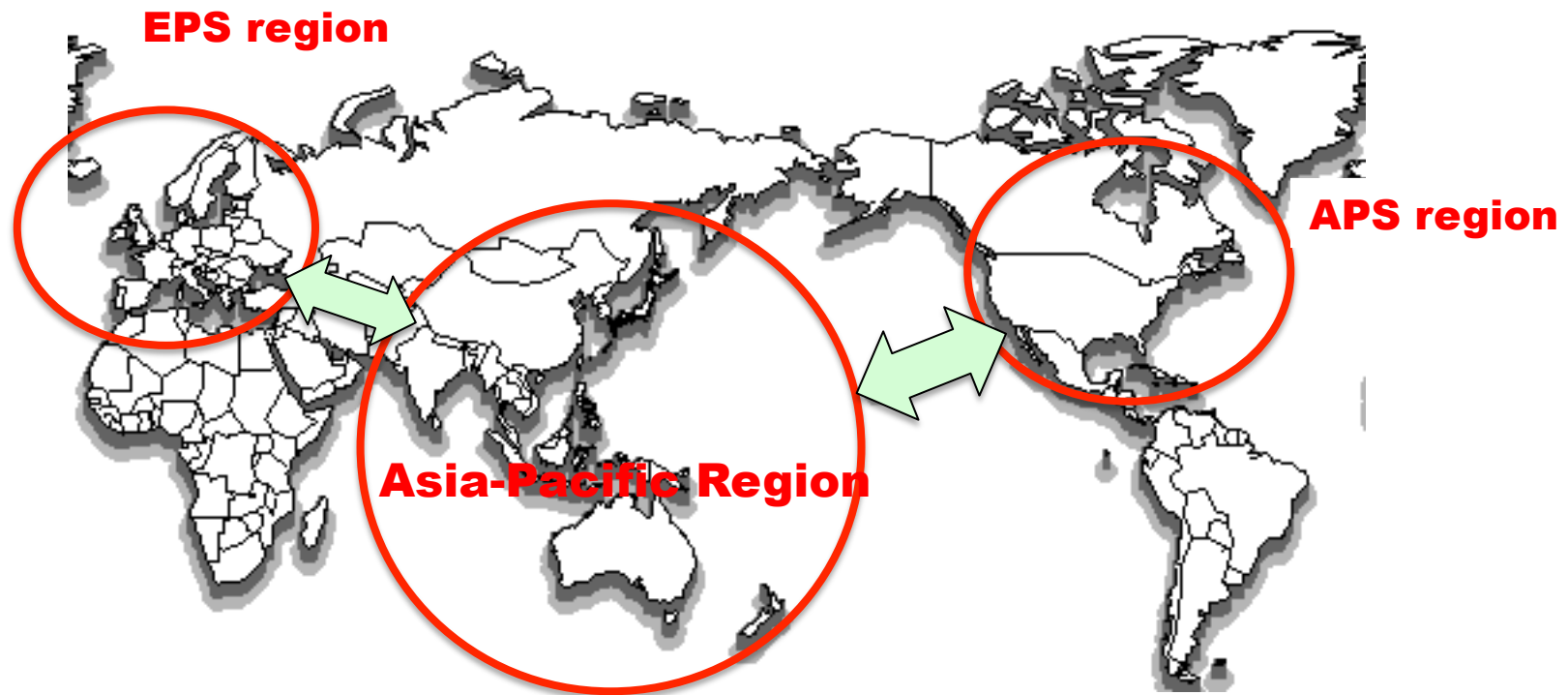
Cont. Plasma Physics: 110 [31%]

***Huge increase of Asian contributions  
but why not to Asian Journals***

# ***Plasma Journal Distribution***

1. **J. of Plasma Physics**
2. **Nuclear Fusion**
3. **Plasma Physics and Controlled Fusion**
4. **Plasma Sources Science and Technology**
5. **Contributions to Plasma Physics**

1. **Reviews of Modern Physics**
2. **Physical Review Letters**
3. **Physical Review E**
4. **Physical Review Accelerator and Beams**
5. **IEEE Transaction of Plasma Science**
6. **Fusion Science and Technology**



## **1. Reviews of Modern Plasma Physics**

**China: Plasma Science and Technology**  
**Japan: Plasma and Fusion Research**  
**Each nation has their own physics journal.**



# *Summary*

- Asia-Pacific Region is growing very rapidly in publication. But submission is mostly to the journals in other region.
- We need to judge if we rely on such or to create set of leading journals in Asia-Pacific Region.