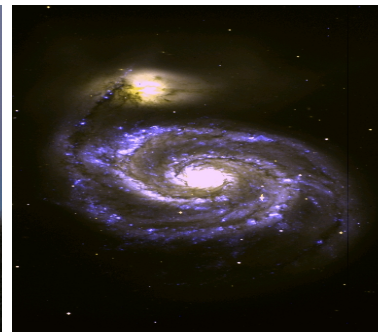




THE OHIO STATE UNIVERSITY



”Membership: AMERICAN PHYSICAL SOCIETY”

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International Conference on

“Nanotechnology for Better Living”

The 7th International Conference on NBL 2021

Hybrid platform - Indian time

September 7 - 11, 2021

Support: Bridge Grant



THE OHIO STATE UNIVERSITY



AMERICAN PHYSICAL SOCIETY (APS)

- APS is the largest scientific network of scientists in physics or in areas related to physics.
- Currently it has about 55,000 members from USA and other countries

APS Mission Statement:

- "To advance and diffuse the knowledge of physics for the benefit of humanity, promote physics, and serve the broader physics community, we
 - Provide a welcoming and supportive professional home for an active, engaged, and diverse membership
 - Advance scientific discovery and research dissemination
 - Advocate for physics and physicists, and amplify the voice for science
 - Share the excitement of physics and communicate the essential role physics plays in the modern world
 - Promote effective physics education for all"



AMERICAN PHYSICAL SOCIETY (APS)

- APS has divisions, sections, topical groups, and forums that you can enroll to 4 of them free of any fee with your APS membership
- One COMMON unit to choose: **Forum of International Physics (FIP)**

• 17 Divisions

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. Materials 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)
17. Soft Matter (DSOFT)

• 10 Sections

1. Eastern Great Lakes Section (EGLS), 2. Far West Section (FWS)
3. Four Corners (4CS), 4. Mid-Atlantic (MAS)
5. New England (NES), 6. New York State (NYSS)
7. Northwest (NWS), 8. Prairie Section (PSAPS)
9. Southeastern (SESAPS), 10. Texas (TSAPS)



AMERICAN PHYSICAL SOCIETY (APS)

• 13 Topical Groups

1. Data Science (GDS), 2. Energy Research and Applications (GERA)
3. Few-Body Systems (GFB), 4. Hadronic Physics (GHP)
5. Instrument and Measurement Science (GIMS), 6. Magnetism (GMAG)
7. Medical Physics (GMED), 8. Physics Education Research (GPER)
9. Plasma Astrophysics (GPAP),
10. Precision Measurement & Fundamental Constants (GPMFC)
11. Physics of Climate (GPC),
12. Shock Compression of Condensed Matter (GSCCM)
13. Statistical and Nonlinear Physics (G SNP)

• 9 Forums

1. Diversity and Inclusion (FDI), 2. Early Career Scientists (FECS)
3. Education (FE d), 4. Graduate Student Affairs (FGSA)
5. Forum on the History and Philosophy of Physics (FHPP).
6. Industrial and Applied Physics (FIAP)
7. International Physics (FIP), 8. Outreach and Engaging the Public (FOEP)
9. Physics and Society (FPS)



Forum on International Physics

The Forum on International Physics, established in 1982, is a voluntary association of APS members who are interested in advancing the knowledge of physics and its diffusion by fostering cooperation and communication among physicists of all countries. The FIP organizes focused sessions at APS meetings, receives nominations for APS fellowships and the Wheatley Award, and communicates with its members via this page and a periodic Newsletter. The FIP also cooperates with several other APS bodies in charge of international scientific affairs. But the unique strength of the FIP lies in the openness of its agenda, which reflects the grass-roots origin of this Forum. Programs such as international book exchanges, equipment exchanges, travel grants, etc. have been established in the past as a result of individual initiatives of FIP members. So if you feel that something is missing in the area of international scientific cooperation, join the FIP and make it happen! And if you are already a member of the FIP, share the excitement with your colleagues and help us recruit even more volunteers!

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AMERICAN PHYSICAL SOCIETY

- **Benefits of APS members:**

1. You can submit abstracts to APS conferences directly & your collaborator can present it if you can not, accepted abstracts remain on-line for any reference
 2. Great place for networking with US and international colleagues
 3. Will receive scientific news, announcement, job alerts
 4. Free Physics Today magazine, APS newsletters, yearly calendar
 5. Has a career page for job listings and provides Job application trainings,
 6. Post your resume and use it for applications to APS advertisements
 7. Apply for and/or nominate for APS prizes - each unit as well APS general has many prizes and awards
 8. It also has quite a number of grants
 9. FIP could be one advantage unit to become an APS Fellow since part of the evaluation depends on promoting physics outside USA
 10. Has travel grants even can issue supporting letter for US visa
 11. Discount or free journal subscription
 12. Publish news articles
- and many more.



- APS Membership fee: \$160 per year
- Membership can be free for India, in all developing countries
- Nahar - an executive member of FIP 2012 - 2015 **opened the membership free for all developing and under representative countries**
 - She entered EC with a proposal for discount or free membership for Asian and Arab countries - two years of campaign led to approval nod
 - Nahar has brought members from 29 countries at no cost



Free APS membership through FUND program

- Any student in Physics (US & non-US) can get 1 year free membership outside the FUND program - use APS website form
- Membership's through FUND is free for 4 - 6 years, & renewable
- Contact: Sultana N Nahar, Email: nahar.1@osu.edu
- Need
 - i) CV showing your physics and institution connection,
 - ii) Fill out a very simple application form,
 - iii) email these two to Jennifer Pirnat or Jennifer Roberto at Email: pirnat@aps.org or ruberto@aps.org
- should get the membership in couple of weeks
- However, little tricky to find the form for free membership
- For full info: google "Sultana N Nahar" to Nahar's website
- Click on box "APS-FIP" to go to:
<http://www.astronomy.ohio-state.edu/~nahar/fip.html>
- Click to "APS Membership", download the Application form
- Instruction of filling out the form. Please follow:
 - For the "Personal statement" on the application form asking why you want this free matching FUND membership, no need to mention your financial status. Click on the "personal statement" given in the same section for membership info. Use the reasons given in the statement



2021

APS Application for Matching Membership FUND Participation

One Physics Ellipse • College Park, MD 20740-3844 USA • aps.org
Direct inquiries to Jennifer Ruberto: Fax: 240-582-9368 • Email: ruberto@aps.org

To advance and diffuse the knowledge of physics by providing APS membership to individual physicists in countries with currency and economic restrictions, who would not otherwise have access to them.

The Matching Membership Program (MMP) was established to provide APS membership to physicists residing in countries with currency restrictions. Under Program guidelines:

1. The term of participation in the MMP is set at four years, after which you will be billed at full member rates.
2. All MMP applications are reviewed before processing. If your application is approved and processed, you will begin receiving *APS News* and *Physics Today* in approximately 1-2 weeks.
3. All MMP participants receive *APS News* and *Physics Today* as part of their membership. While no journal publications (e.g., the *Physical Review* series) are included in the FUND category of the Matching Membership Program, some participants may be eligible to access APS journals for free via other programs. Please visit: aps.org/programs/international/programs/journals.cfm.

MATCHING MEMBER NAME AND ADDRESS

Last Name: _____ First Name: _____ MI: _____

Address: _____

City: _____ State: _____

Country: _____ Postal/Zip Code: _____

Email Address: _____ Phone #: _____

If you prefer your mail be sent to an address other than that of your institution, please indicate below:

STATISTICAL DATA (for demographic purposes only)

Highest Degree Received: _____ Year Degree Received: _____ Physics Subfield: _____

Date of Birth: _____ Gender: Male Female

PERSONAL STATEMENT

Briefly describe why you feel you qualify for subsidized membership in the Matching Membership Program and attach your CV.

PUBLICATIONS

Under MMP FUND participation guidelines, you may not subscribe to additional publications. Please choose ONE, below:

- Physics Today* Online Only with *APS News* \$ _____ OR
- Physics Today* Print and Online with *APS News* \$ _____

APS News and *Physics Today* will arrive approximately 8-10 weeks after approval and processing of your application. *APS News* and *Physics Today* are not back-issued. **APS publications are for your personal use only. The American Physical Society takes no responsibility for soliciting program sponsors. APS cannot subsidize any fees other than member dues.**



Free membership through FUND program

- After becoming member (will receive ID from APS),
 - Get your web account using your account
 - become a member of your division & of APS unit - FIP: Forum of International Physics
 - Submit abstracts for APS conferences
 - Post your resume
 - Sign up for job alerts and apply online
 - Explore many other activities and benefits