



DIVISION OF POLYMER PHYSICS

Fall 2022 Newsletter

Chair's Welcome

Planning for the **2022 APS March Meeting (in-person March 6-10, 2023 in Las Vegas and virtual March 20-22, 2023)** is underway! DPOLY Program Chair Prof. Julie Albert (Tulane U.) and many volunteers from our robust DPOLY membership have assembled an exciting program for the meeting that includes [30 Focus Sessions](#) in addition to some of our timeless [standard sorting categories](#). The deadline for abstract submissions is **October 20, 2022 at 5 p.m. Eastern Time** at <https://march.aps.org/attendees-presenters/abstracts>

Continuing [our standing tradition of short courses](#), Profs. Bill Phillip (Notre Dame U.) and Hee Jeung Oh (Penn State U.) have put together what I anticipate will be a stimulating DPOLY Short Course on “*The Polymer Physics of Separations Membranes.*”

Time-honored traditions in the DPOLY Program also include the APS Polymer Physics Symposium (Tuesday morning), the John H. Dillon Medal Symposium (Tuesday afternoon), and the Frank J. Padden Award Symposium (Tuesday midday). I strongly encourage you to nominate Ph.D. students whom you have supervised or with whom you have worked closely. [Padden Award nominations](#) are due by October 20, 2022 at 5 p.m. Eastern Time.

Finally, DPOLY is pleased to offer two new travel awards:

- In memory of Dr. Ryu's dedication to science, education, and outreach and his enthusiastic participation in many APS March Meetings, the [Chang Yeol Ryu Travel Fund](#) will provide two (2) \$1,000 awards to support travel by students attending the APS March Meeting for the first time to present their research. Nominations are due October 28, 2022 by 5 p.m. Eastern Time.
- DPOLY has also established a new [Undergraduate Travel Award](#) that provides up one (1) \$2000 award for an undergraduate researcher in polymer physics to present at their first APS March Meeting, with the goal of improving the visibility of diversity in our discipline. Applications are due October 7, 2022 by 6 p.m. Eastern Time.

In the spirit of inclusion which underpins our vibrant DPOLY community, please be sure to renew your membership and to encourage friends, colleagues, and students to join anew or to renew their memberships as well! You might even consider an [APS Life Membership](#). Our members form an important foundation for exciting programming, fellowship and award programs, and our continued efforts to promote equity and inclusion in polymer physics.

Sincerely,
Mahesh K. Mahanthappa, *DPOLY Chair*



2023 DPOLY March Meeting Program

Call for abstracts

NOTE: APS March Meeting will have separate in-person and virtual (3/20-22/2023) programs. *When submitting an abstract, you must select only one presentation method for your oral or poster presentation:*

- **in-person presentation in** Las Vegas between March 6–10, 2023
- **virtual online presentation** through the meeting platform between March 20-22, 2023

If you select virtual, you may attend the meeting in-person to network and enjoy other talks, but your presentation will be solely during the virtual meeting dates. Your selection may be changed up until the abstract submission deadline. However, it cannot be changed after the abstract deadline.

Focus sessions and Standard Sorting Categories may be found through the March Meeting [Webpage](#).

Abstract Deadline: 5:00 pm ET on Thursday October 20, 2022

DPOLY Abstract Tutorial Video

DPOLY Members Prof. Whitney Loo (current DPOLY Executive Committee Member-at-Large) and Prof. Thomas O'Connor (past Member-at-Large) graciously provided a video tutorial oriented toward early career members with some tips and tricks related to APS March Meeting Abstracts (17 min run time). We encourage you to check out [the video](#) as well as the list of [Focus sessions and Standard Sorting Categories](#) for the 2023 March Meeting.

2023 Frank J. Padden Jr. Award Nominations

DPOLY is soliciting nominations of PhD students for the Frank J. Padden Jr. Award for Excellence in Polymer Physics Research, an annual highlight of the APS March DPOLY program since 1995. For details please visit the [Padden award webpage](#) and send nominations by email to Rachel Segalman (segalman@ucsb.edu) using the subject line "Padden_name of student". Complete nomination packages will include: (1) a 2-page CV of the nominee, (2) a nominating letter addressing the quality of graduate research and academic excellence of the nominee, and (3) an acceptable abstract for a contributed talk in the DPOLY March Meeting Program.

Nomination Deadline: 5:00 pm ET on Thursday October 20, 2022

Please nominate PhD students whom you have supervised, or with whom you have worked closely, in the field of polymer physics. DPOLY reimburses meeting registration for all finalists from overseas. DPOLY especially encourages nomination of students from groups who have been traditionally underrepresented in physics.

We are grateful to the [University of Akron](#) for sponsoring the finalists' dinner and look forward to the 2023 Padden Award Session!

Chang Yeol Ryu Travel Award

Chang Yeol Ryu was an enthusiastic attendee of the APS March Meetings and participant in DPOLY sessions. Whether in the classroom, his laboratory, or his office, Dr. Ryu had a significant impact on the education and career path of many students. To honor his incredible passion, APS will provide two \$1,000 awards in memory of Dr. Ryu to support travel by students attending the APS March Meeting for the first time and presenting their research. For further details on the nomination and selection process please visit the [Award Webpage](#).

Nomination Deadline: 5:00 pm ET on Friday, October 28, 2022

We thank the generosity of more than 80 and counting donors that enabled this new travel award. Help honor the amazing legacy of Chang Yeol Ryu by donating to the [Chang Yeol Ryu Travel Fund!](#)

Undergraduate Travel Award

DPOLY has established an Undergraduate Travel Award to provide funding for undergraduate students doing research in the area of polymer physics to attend and present their research findings during the APS March Meeting (poster or oral presentations) for the first time.

Application Deadline: 6:00 ET on Friday, October 7, 2022

For further details on the nomination and selection process please visit the [Award Webpage](#).

2023 DPOLY Short Course: The Polymer Physics of Separation Membranes

The topic on “*The Polymer Physics of Separation Membranes*” is currently being planned by William Phillip (University of Notre Dame) and Hee Jeung Oh (Penn State University) for in-person on March 4-5, 2022.

The short course discusses established and emerging uses of polymer membranes at the Energy/Water Nexus, multiscale design of membranes for gas and water separations, experimental and computational characterization of polymer membranes, and formulations and non-equilibrium processing methods used to manufacture membranes at the industrial scale.

Additional details on invited speakers and schedule will be posted on the [Short Course Website](#).

Prizes and Awards

With great anticipation, the APS will formally announce the winners of the [2023 APS Polymer Physics Prize](#), the [2023 John H. Dillon Medal](#), and the [2022 Class of APS Fellows](#) recognizing members of the Polymer Physics community at various career stages. Stay tuned for these announcements that are expected in the October 11-18, 2022 time period.

Nominations Now Open for UKPPG/DPOLY Polymer Lecture Exchange

Nominations are now open for the APS DPOLY/UK Polymer Physics Group Lecture Exchange, which was established in 2009 as a means of strengthening ties between APS DPOLY community and the UK PPG of the Institute of Physics. The early career awardee of this lectureship will present an invited lecture at the Meeting of the UK PPG in Fall 2023.

Nomination Deadline: December 31, 2022.

For further details on award eligibility, as well as the nomination and selection process please visit the [Award webpage](#).

Best regards,
The DPOLY Executive Committee