

APS Division of Polymer Physics, DPOLY, Business Meeting

Minutes, March 14, 2017, New Orleans, LA

The meeting was called to order by Wesley Burghardt (Chair) at approximately 5:45 pm, and he noted that the meeting would be followed by a Q&A with Andy Lovinger concerning NSF funding for Polymers and Soft Matter research. Today's minutes recorded by Steve Hudson (S/T). Minutes for the meeting of March 15, 2016 were approved.

Reports

Rick Register gave a tribute to remember William Graessley, who died February 18, 2017 at the age of 83. He expressed great appreciation for Graessley's mentorship and for the impact of his diverse career on polymer physics, which is documented in a two-volume opus, *Polymeric Liquids & Networks*. Graessley received the Polymer Physics prize in 1990. A moment of silence was observed.

Burghardt introduced Pierre Meystre, new Editor-in-Chief of APS journals, to discuss the launch of a new journal, *Physical Review Materials*. Meystre noted that the process began in 2015, when a visiting committee for *Physical Review B* (covering condensed matter and materials physics) recommending creating a new materials journal, emphasizing the growth (design and realization) of novel materials. When Meystre began his post 6 months ago, various units within APS were then consulted. (DPOLY in turn contacted some members, soliciting and forwarding their varied opinions and asking if they would serve further on a working group.) A 12-member working group (which included Monica Olvera de la Cruz) discussed the proposed journal scope and relationship to others in the *Physical Review* family. Specifically,

Physical Review Materials: the growth, discovery, characterization, design, and analysis of materials of interest to the multidisciplinary materials community.

Physical Review B: the physical properties and phenomena of materials of relevance to condensed matter physics.

Physical Review E: the physical properties and phenomena of soft matter and biomaterials.

Physical Review Applied: applications, devices, and industrial needs.

A Lead editor and editorial board will be assigned before launching the new journal in April. The first issue is anticipated in early summer. <https://journals.aps.org/prmaterials/>

Questions were solicited.

Hudson (S/T) asked for requests and suggestions concerning DPOLY communications, newsletters and emails.

Hudson also reported the finances. Polymer Prize endowment (\$240k) grew slightly (~ 2% in the past year), and Operating funds have been nearly steady at approximately \$90k over the past 4 years. Sponsorship from Dow Chemical, LG, individual donors, Elsevier Publishing, The University of Akron, and Princeton University was gratefully acknowledged. Membership and meeting participation are key factors to DPOLY's financial health.

The auditors (Jan Genzer and Arthi Jayaraman) reported that they had inspected DPOLY's financial records and found them to be in order.

Burghardt announced election results. Sanat Kumar will become Chair; Darrin Pochan will become Chair-Elect; Genzer was elected Vice-Chair; Jayaraman was elected Member-at-Large; Murugappan Muthukumar was elected Councilor; Hudson was elected Secretary/Treasurer; and Burghardt will become Past-Chair. Al Crosby, Jane Lipson, Gila Stein, and Rob Briber were thanked for standing for election. Retiring members Mark Ediger, Venkat Ganesan and Stephen Cheng were thanked for their service to the Executive Committee.

Ganesan reported membership numbers. DPOLY membership at the end of 2016 was 1495, which is 2.77% of the 54,029 total APS membership. Both DPOLY and APS grew in the past year. Ganesan asked people to contact Chinedum Osuji the new membership committee chair with ideas to increase membership.

Enrique Gomez reported about 2017 March Meeting program organization, with many thanks to member input, sorters, committees and APS staff. The program committee (vice chaired by Ryan Hayward) and the team of sorters organized approximately 865 abstracts (~9.2% of the APS total). Program highlights include special sessions highlighting the impact of Ed Kramer (2 focus sessions, 3 invited speakers) and John Chan (invited session). Wiley (publisher of Journal of Polymer Science, Polymer Physics) again sponsored awards for posters, which are presented in a special session Wednesday.

Hayward solicited input (session topics and invited speakers) and volunteers (organizers, sorters, session chairs) for the 2018 meeting. Please contact him at hayward@umass.edu.

Pochan reported that the Short Course on Polymer Colloids had 27 participants, with good discussions. Thanks were expressed to the organizers Rod Priestley and Bob Prud'homme, and for the generous support of Princeton University.

Genzer requested ideas for the next Short Course. Please contact him before May 1 at jgenzer@ncsu.edu

Kumar presented fellowship certificates to James Caruthers, Junhan Cho, Marcus Cicerone, Yossef Elabd, Sinan Keten, Guruswamy Kumaraswamy, and Ricardo Ruiz.

Fellowship nominations are due June 1; new guidelines and a new software system for nomination apply this year.

Burghardt recognized Monica Olvera de la Cruz as winner of the 2017 Polymer Physics Prize.

Burghardt recognized Moon Park as winner of the 2017 John H. Dillon Medal.

Burghardt recognized winners of the UK PPG DPOLY lecture exchange. Andrew Parnell represents the UK PPG and Michael Hore represents DPOLY.

Pochan introduced the finalists for the Padden Award, thanking the mentors. The finalists are: Zhen Cao, Scott Grindy, Hyeong Jun Kim, Hyun Chang Kim, Seyed Meysam Hashemnejad, Danielle Pesko, Cameron Shelton, Shichen Yuan, Lanhe Zhang, Wenlin Zhang, and Yue Zhang.

Pochan announced Yue Zhang as this year's winner.

Burghardt noted the following nomination deadlines this year:

- June 1: APS fellows
- July 1: Polymer Physics Prize and John H. Dillon Medal
- November 3: Frank J. Padden Jr. Award

New Business

Upcoming March Meetings: Los Angeles, CA, March 5-9, 2018; Boston, MA, March 4-8, 2019; and Denver, CO, March 2-6, 2020.

Thomas Epps III announced a Frontiers of Materials Research town hall Thursday, March 16, 3:30 pm as part of a decadal survey of materials research by the National Academies.

Expressions of Gratitude

Kumar thanked Burghardt for excellent leadership and service and presented him with a certificate of appreciation. The membership expressed its gratitude in applause.

The meeting was adjourned at approximately 6:40 pm.