

DPOLY Sessions on Monday, March 4, 2024

Session	A25	A26	A29	A32	A33
Room	101F	101G	101J	102D	102E
Chair	<i>Friedrich</i>	<i>Basdogan</i>	<i>Roberston-Anderson</i>	<i>Wolf</i>	<i>Calabrese</i>
8:00a	Yavitt	Webb	Spakowitz	Richert	Mistry
8:12a					
8:24a					
8:36a	Zhu	<i>Withdrawn</i>	Peddireddy	Berthier	Meng
8:48a	Dos Santos	Ethier	Alexiou	Chacko	Zhang
9:00a	Kim	Gartner	Seyforth	Cicerone	Debnath
9:12a	Lee	Robe	Sulc	Ediger	Muthukumar
9:24a	Park	Li	Videbaek	Hasyim	Koulaxizis
9:36a	Friedrich		Oldenhuis	Flenner	Thurn-Albrecht
9:48a	Leake		Klotz	Hall-Brown	Roberts
10:00a	Lahaie	Bhattacharya	Hanke	Simon	Keams
10:12a	Dadmun	Patra	Park	Yungbluth	Zou
10:24a	Das	Xia	Shah	Karimi	Jacob
10:36a	Vondrasek		Reinertsen	Long	Van Horn
10:48a				Qaisrani	Zhu

Session	B24	B25	B26	B29	B32	B33	BB05
Room	101DE	101F	101G	101J	102D	102E	Virtual Room 05
Chair	<i>Auguste</i>	<i>Ricarte</i>	<i>Cersonksy</i>	<i>Rogers</i>	<i>Ediger</i>	<i>Kim</i>	<i>Venkatesh</i>
11:30a	Cavallo	Ge	Audus	Franco	Harrowell	Stingelin	Thakur
11:42a		Saalwaechter					Mondal
11:54a		Barzycki					Kumar
12:06p	Cai	Pandya	He	Chatfield	Caruthers	Verma	Zhang
12:18p		Liu	Yong	Wei	Stephens	Wang	Trevino
12:30p		Montarnal	Jankowski	Wang	Cheng	Cheng	Yeo
12:42p	Hao		Too	Luo	Lee	Chipara	
12:54p	Long		Hooven	Reisner	Tracy	He	Roshdy
1:06p		Kuenstler	Mohanty	Pessoa	Weibel	Ghobadi	Bhutia
1:18p			Chauhan	Polson	Madsen	Dyer	Sangroniz
1:30p	Davidson		Zhang	Lin	Lee	Chantler	
1:42p		Rosales	Hore	Jha	Shukla		
1:54p		Boydston	Patel	Williams	Wolf	Tahir	
2:06p	Fenimore		Sato	Giuntoli	Lukito The		
2:18p	Torkelson		Müller	Kim	Pakhomenko		

Session	D25	D26	D30	D32	D33	CC05	
Room	101F	101G	102AB	102D	102E	Virtual Room 05	
Chair	<i>Agrawal</i>	<i>Thum-Albrecht</i>	<i>Patra</i>	<i>Ginzburg</i>	<i>Lee</i>	<i>Wang</i>	
3:00p	Gunter	Androsch	Xu	Cheng	Marder		
3:12p	Hazell						
3:24p	Korchinski						
3:36p	Slutzky	Bosse	Brown	Roth	Duhandzic		
3:48p	Vaswani	Goetze		Merrill	Ameson		
4:00p	Lopez	Kim		Tsui	Lin	Phelan	
4:12p	Yavitt	Laventure	Gormley	Yue	Jindal	Ransom	
4:24p	Vigil	Ferguson		Medvedev	Liu	Ozsisik	
4:36p	Shen	Kotula			Mahajan	Cho	
4:48p	Kanso	Slattery	Liu		Faccini de Lima		
5:00p	Sayko	Ma	Beaucage	Drayer	Zhao	Zhao	
5:12p	Callahan	Amiri		Ginzburg	Tolton	Hsiao	
5:24p	Liang	Mcllroy		Lipson	Chesler	Lin	
5:36p	Bhadu	<i>Withdrawn</i>	Pandolfi	White	Sorbelli		
5:48p		Zhang		Simmons			

A25. Additive Manufacturing of Soft Materials
A26. Applied Machine Learning for Design and Discovery of Polymers
A29. DNA-based Soft Matter I
A32. Molecular Glasses: Dynamics
A33. Liquid Crystalline and Semicrystalline Polymers
B24. Physics in Polymer Processing
B25. Dynamic Covalent Polymer Networks and Gels
B26. Advances in Macromolecular Simulation and Modeling
B29. DNA-Based Soft Matter II

B32. Molecular Glasses: Structure and Stability
B33. Organic Optoelectronics and Photonics I
BB05. V: Experimental Advances in Polymer Physics
CC05. V: Computational Advances in Polymer Physics
D25. Rheology and Mechanics of Polymer Systems
D26. Physics Concepts in Polymer Engineering
D30. Self-Driving Labs: Autonomous, High-throughput Experimentation and Modeling in Polymer Physics
D32. Polymer Glasses
D33. Organic Optoelectronics and Photonics II

DPOLY Sessions on Tuesday, March 5, 2024

Session	F26	F32	F33	F43
Room	101G	102D	102E	Auditorium 1
Chair	<i>Ivancic</i>	<i>Cheng</i>	<i>Morimitsu</i>	<i>Müller</i>
8:00a	Polymer Physics Prize Lecture	Polymer Physics Prize Lecture	Polymer Physics Prize Lecture	Wang
8:12a				
8:24a				
8:36a	Willis	Clarke	Nakajima	Bates
8:48a	Kim	Dato		
9:00a	Quah	Foster		
9:12a	Zhao	Zou	Wang	Fredrickson
9:24a	Toiserkani	Koga	Kawaguchi	
9:36a	Grant	Aryal	Xiao	
9:48a	Donley	Coates	Miyata	Perry
10:00a	Zhang	Yu	Kumaki	
10:12a	Audus	Rukmani	Morimitsu	
10:24a	Zhu	Aponte-Rivera	Tamnanloo	Balsara
10:36a	Marshall		Ma	
10:48a	Bhardwaj			

Session	G26	G32	G33
Room	101G	102D	102E
Chair	<i>Park</i>	<i>Hore</i>	<i>Cai</i>
11:30a	Ahn	Sevning	Alade
11:42a	Bethel	Zhao	Denton
11:54a	Chen	Zhang	Goyal
12:06p	Dookhith	Gillman	Bai
12:18p	Fang	Ferrier	Lodge
12:30p	Iyer	Composto	
12:42p	Landfield	Chen	
12:54p	Lin	Devine	Biswas
1:06p	Wang	Karmakar	Bouvard
1:18p	Wilcox	Mohottalalage	Brito
1:30p	Zofchak	Taylor	Choudhury
1:42p		Kalghatgi	Chan
1:54p		Santosa	Crites
2:06p		Johnston	Sen
2:18p		Jung	Khewie

Session	K25	K26	K32	K33
Room	101F	101G	102D	102E
Chair	<i>Su</i>	<i>Olvera de la Cruz</i>	<i>Ferrier</i>	<i>Bae</i>
3:00p	Murphy	Sing	Katsumata	Kim
3:12p	Ketkar			Nikishau
3:24p	Grabner			Rozic
3:36p	Chen	Perry	Anastasiadis	Smith
3:48p	Wang	Alexander-Katz	Kawak	Wesson
4:00p	Hoagland	Larson	Kong	Zhang
4:12p	Couturier	Mai	Maurer	Wu
4:24p	McNeill	Fredrickson	Wang	Kim
4:36p		Qin	Wang	Chen
4:48p		Schroeder	Feng	Huo
5:00p		DeLongchamp	Obermeyer	Farghaly
5:12p	Heilman	Wang	Gul	Mai
5:24p	Gough	Wang	Hanrahan	
5:36p	Beaucage	Schweizer	Neuman	
5:48p	Hu	Winey	Pal	

F26. Machine Learning and Advanced Computational Methods in Polymer Physics

F32. Polymer Composites and Nanocomposites I: Properties

F33. Chain Structures and Dynamics

F43. Polymer Physics Prize

G26. Frank J. Padden Jr. Award Symposium

G32. Polymer Composites and Nanocomposites II: Structure

G33. Programmed Responsive Polymers and Soft Matter I

K25. Advanced Characterization of Polymers: Morphology, Interfaces, and Dynamics

K26. John H. Dillon Medal Symposium

K32. Polymer Composites and Nanocomposites III: Dynamics

K33. Programmed Responsive Polymers and Soft Matter II

DPOLY Sessions on Wednesday, March 6, 2024

Session	M06	M26	M32	M33
Room	L100FG	101G	102D	102E
Chair	<i>Kuksenok</i>	<i>Boudouris</i>	<i>Ryder</i>	<i>Osti</i>
8:00a	Olvera de la Cruz	Boudouris	Roy	Gao
8:12a			Kim	Chen
8:24a			Kim	Akash
8:36a	Pich	Tang	Irving	Hilburg
8:48a		Korley	Montes de Oca	Al Zahabi
9:00a		Genzer	Mazumder	Nguyen
9:12a	Pentzer	Oh		
9:24a	Alexeev	Osuji	Quigley	
9:36a	Patrickios	Evans	Quimet	Onyango
9:48a		Hayward	Reimund	Mao
10:00a		Dhinojwala	Neria	Park
10:12a	Vernerey	Lutkenhaus	Sachar	Yeung
10:24a		Segalman	Wolff	Huang
10:36a		Hillmyer	Zhang	Perez-Ramirez
10:48a		Epps	Gillespie	Yang

Session	N26	N32	N33	N57
Room	101G	102D	102E	205CD
Chair	<i>Jin</i>	<i>He</i>	<i>Paren</i>	<i>Michael</i>
11:30a	Beyer	Li-Oakey	Chen	Wiesner
11:42a	Deneke		Sattari	Siepmann
11:54a	Narayanan		Sharma	Thomas
12:06p	Huang	Duncan	Kim	
12:18p	Ahmed	González-Pérez	Stevens	
12:30p	Hong	Kamata	Adotey	Buchanan
12:42p	Huang	Layding	Ferko	Ho
12:54p	Shin	Marioni	Gwag	Grason
1:06p	Feng	Mei	Itliong	Dotera
1:18p	Kim	Sampath	Li	Santangelo
1:30p	Shastri	Win	Zhang	Nieves Rosado
1:42p	Sivaraj	Liu	Evans	Mangal
1:54p	Jeong	Kronenberger	Mohanty	Kaufmann
2:06p	Mokarizadeh	Singh	Walker	Katwal
2:18p				

Session	Q06	Q26	Q33	Q57
Room	L100FG	101G	102E	205CD
Chair	<i>Oh</i>	<i>Wang</i>	<i>Stingaciu</i>	<i>Grason</i>
3:00p	Ganesan	Sanoja	Chun	Dimitriyev
3:12p			Ryu	Magruder
3:24p			Meedin	Saranathan
3:36p	Segalman	Lin	Kumar	<i>Withdrawn</i>
3:48p		Fan	Roopnarine	Zheng
4:00p		Cho	Zhao	Kowalewska
4:12p	Chen	Dong		
4:24p	Zhang	Das		
4:36p	Kundu	Zhang	Gainaru	Selinger
4:48p		VanDonselaar	Kang	Zhao
5:00p		Madsen	Gupta	Gallmeyer
5:12p	Tsapatsis	Rogers	Jeong	Weaver
5:24p		Barney	Edano	
5:36p		Soles	Vidyasagar	
5:48p		Wang	Paturej	

M06. Designing Soft Responsive Polymer Networks: Recent Advances and Challenges

M26. Enabling Early Career Polymer Physics Researchers

M32. Transport and Separation Phenomena in Polymer Membranes and Molecular Materials: Experiments

M33. Dynamics of Polymers and Polyelectrolytes I

N26. Surfaces, Interfaces, Thin Films, and Coatings

N32. Transport and Separation Phenomena in Polymer Membranes and Molecular Materials: Computation

N33. Dynamics of Polymers and Polyelectrolytes II

N57. 50 Years of Gyroid Structures in Materials and Tissues - in Honor of Alan Schoen I

Q06. Transport and Separation in Polymer Membranes

Q26. Fracture, Yielding, and Failure of Soft Materials

Q33. Dynamics of Polymers and Polyelectrolytes III

Q57. 50 Years of Gyroid Structures in Materials and Tissues - in Honor of Alan Schoen II

DPOLY Sessions on Thursday, March 7, 2024

Session	S06	S26	S32	S33	S34
Room	L100FG	101G	102D	102E	102F
Chair	Roumeli	Morris	Wang	Bay	Dimitriyev
8:00a	Kumar	Dobrynin	Verduzco	Sandoz-Rosado	Barve
8:12a		Withdrawn			Chiarantoni
8:24a		Driscoll			Gonzalez
8:36a	Winey	Zheng	Charpota	Cabral	Panagiotou
8:48a		Beech	Wijesekera	Merriman	
9:00a		Nikoumanesh	Salinas Soto	Irianti	
9:12a	Hillmyer	VanZanten	Cui	Wang	Biswas
9:24a		Sen	Lee	Lee	Read
9:36a		Sun	Shi	Tonny	Zhou
9:48a	Brettmann	White	Chen	Heo	Greenvall
10:00a		Liu	Petrov	Chrissopoulou	Singal
10:12a		Carden	Morling	Aslan	Sherif
10:24a	Trenor	Szczepanski	Bracewell	Wang	Cunha
10:36a			Sureshkumar	Janse van Rensburg	
10:48a			Vamer	Vannozzi	

Session	T26	T32	T33
Room	101G	102D	102E
Chair	Bhadu	Davis	Basdogan
11:30a	Helms	Shi	Hall
11:42a		Wang	Sadeghi
11:54a		Lloyd	Madinya
12:06p	Jin	Liu	Wu
12:18p	Karmakar	Kroonblawd	Tadesse
12:30p	Quirk		Alessandri
12:42p	Anik		Medina Jimenez
12:54p	Chabbi	Haque	Tolba
1:06p	Lai	Xie	Bajgiran
1:18p	Shah	Jutze	Ishraq
1:30p	Robertson	Roberts	Gallegos
1:42p	Tu	Ryu	Ramirez Marrero
1:54p	Simpson	Davis	Wang
2:06p	Venkatesh		Ock
2:18p			Jin

Session	W25	W26	W32	W33	W45
Room	101F	101G	102D	102E	Auditorium 3
Chair	Sanoja	Zhang	Sampath	Srivastava	Cheng
3:00p	Sheiko	Abdulsalam	Olsen	Lindhoud	Chen
3:12p		Ahn			
3:24p		Chongvismansin			
3:36p	Wan	Coote	Li	Odenheimer	Jiang
3:48p	Gill	Diaz	Torbett	Penido	
4:00p	Huang	Edmund	Rivera Mirabal	Senebandith	
4:12p	Laaser	Ivancic	Shi	Srivastava	Frischknecht
4:24p	Zhang	Alamo	Johnson	Jia	
4:36p	Burton	Lee	Pochan	Albreiki	
4:48p	Kundu	Maguire	Sullivan	O'Connor	Sirk
5:00p	YousefiSavoshani	Maines	Jin	Nguyen	
5:12p	Bhaskar	Purwanto	Sakamoto-Rablah	Sathyavageeswaran	
5:24p	Buckser	Lazarenko	Hajizadeh	Kundagrami	Vaia
5:36p	Fontaine-Seiler	Collins	Rousseau	Xie	
5:48p		El-Rayyes			

S06. Recent Advances in Polymer Recycling, Upcycling, and Sustainability

S26. Polymeric Networks, Elastomers, and Gels

S32. Advances in Nonlinear and Block Polymers

S33. Physics of Polymer Coatings and Thin Films

S34. Mechanics and Self-Assembly of Knots and Tangles: From Knitted Fabrics to Polymer Melts

T26. Physics-Informed Design of Recycled, Upcycled, and Sustainable Polymers: Recycling and Upcycling via Molecular Design

T32. Advanced Mechanical Characterization Including Mechanoresponsive Molecules for Stress Sensing

T33. Charged and Ion-Containing Polymers

W25. Large-Strain Mechanical Properties of Polymer Networks

W26. Physics-Informed Design of Recycled, Upcycled, and Sustainable Polymers: Additives and Processing Conditions

W32. Self-Assembly of Biomacromolecules: From Simulations to Experiments

W33. Polyelectrolyte Phase Transitions, Complexes, and Coacervates I

W45. Emerging Trends in Polymer Composites for Applications in Energy and National Security

DPOLY Sessions on Friday, March 8, 2024

Session	Y26	Y32	Y56
Room	101G	102D	205AB
Chair	Foudazi	Kawak	Whitmer
8:00a	Park	Fernandez-Ballester	Sadati
8:12a			
8:24a			
8:36a	Jun	Zhang	Wang
8:48a	Li	Coughlin	
9:00a	Sun	Mbonu	
9:12a	Vo	Guo	Hamer
9:24a	Randazzo	Tu	
9:36a	Kim	Das	
9:48a	Duraes	Marciel	Nangia
10:00a	Akkunuri	Tree	
10:12a	Bajaj	Grigoropoulos	
10:24a	Huang	Perez	Mittal
10:36a	Tae	Tejuosho	
10:48a		Hsu	

Session	Z26	Z30	Z31	Z32	Z33
Room	101G	102AB	102C	102D	102E
Chair	Sunday	Paren	Buche	Lequieu	Whitmer
11:30a	Wagner	Schaefer	Buche	Dorfman	Beckinghausen
11:42a			Mulderrig	Chang	Jedlinska
11:54a				Gdowski	Lan
12:06p	Doerk	Bae	Bouklas	Kang	Oh
12:18p	Karim			Wang	Ghosh
12:30p	Yoon		Lamont	Li	Horne
12:42p	Woo	Schlenoff	Attias	Yu	Mitra
12:54p	Sunday		Grasinger	Kresge	Braide
1:06p	Sharma			Dayal	Wang
1:18p	Fick	Beyer		Hatami	
1:30p	Rumyantsev	Martins	Shirai	Sagrireddy	Prabhu
1:42p	Li		Vishnu	Gan	Radhakrishnan
1:54p			Tian	Jin	Carrillo
2:06p		Banuelos		Ahn	Thomas
2:18p					

Y26. Polymers and Block Copolymers at Interfaces I

Y32. Polymer Structure and Dynamics Across Multiple Length and Timescales

Y56. Mechanisms of Macromolecular Self-Assembly

Z26. Polymers and Block Copolymers at Interfaces II

Z30. Dynamics in Charged and Ion-Containing Polymers

Z31. Statistical Physics in Constitutive Modeling

Z32. Polymer Structure, Morphology, and Self-Assembly

Z33. Polyelectrolyte Phase Transitions, Complexes, and Coacervates II