

<i>Eastern Time</i>	Sunday October 5	Monday October 6	Tuesday October 7	Wednesday October 8	Thursday October 9
8:15-9:30	Arrival & Registration	Visit the Key Note! <i>Ballroom B</i>	Visit the Award Plenaries! FACSS Student Poster Awards Presentation <i>Ballroom B</i>	FACSS Student Poster Awards Presentation Lisa Flannagan AES Mid-Career Awardee Talk 8:30-9:00 <i>Ballroom B</i>	Explore the many other exciting sessions at SciX!
9:45-10:30		Coffee & Posters <i>Ballroom C</i>	Coffee & Posters <i>(Tu4, Tu5, Tu9, Tu10, Tu12, Tu13, Tu15, Tu17, Tu18, Tu19, Tu22, Tu23, Tu27, Tu28, Tu30, Tu34, Tu38, Tu39, Tu41)</i> Exhibit Hall	Coffee & Posters <i>Exhibit Hall</i>	
10:30-12:10		AES02 Electrokinetic Fundamentals Chair: Xiangchun Xuan Co-Chair: Tonoy Mondal <i>Room 8</i>	AES04 Future AES Early Career Chair: Soumya Srivastava Co-Chair: Gabriel Garibaldi <i>Room 8</i>	AES06 Electrokinetic Bioanalysis Chair: Lisa Flanagan Co-Chair: Guillermo Ramirez <i>Room 8</i>	
12:10-13:30		AES Board Business Meeting (AES Provided Lunch) <i>Room 8</i>	AES General Body Meeting (SciX Provided Lunch) <i>Room 8</i> BFA Talk (12:10-12:30)	Exhibit Visits (SciX Provided Lunch) <i>Exhibit Hall</i>	
13:30-15:10		AES01 Innovations in Device Fab & Applications Chair: Stuart Williams Co-Chair: Raphael Oladokun <i>Room 8</i>	AES05 Emerging Leaders Chair: Gongchen Sun Co-Chair: Negar Farhang-Doost <i>Room 8</i>	AES07 AES Lifetime Achievement Award Chair: Michael Roper <i>Room 8</i>	
15:10-15:50		Coffee & Posters <i>Ballroom C</i>	Coffee & Posters <i>(Tu4, Tu5, Tu9, Tu10, Tu12, Tu13, Tu15, Tu17, Tu18, Tu19, Tu22, Tu23, Tu27, Tu28, Tu30, Tu34, Tu38, Tu39, Tu41)</i> Exhibit Hall	Coffee & Posters <i>Exhibit Hall</i>	
15:50-17:30		AES03 Electrokinetic Commercialization & Industry Applications Chair: Alex Hylér Co-Chair: Matin Tabarhoseini <i>Room 8</i>	AWARD05 AES Mid-Career Award Chair: Lisa Flanagan <i>Rooms 4 & 5</i>	Check out another session!	
17:30 Onward	19:15-21:15 Welcome Mixer & Student Posters <i>(S6, S16, S27, S35, S36, S39, S50)</i> Ballroom C	17:30-19:30 Exhibit Opening Reception <i>Exhibit Hall</i>	17:30-19:30 Exhibitor Happy Hour <i>Marriot Riverview Rooms</i> 19:30-20:30 SAS Awards Ceremony <i>Covington III</i>		19:00-22:00 SciX Gala Ballrooms B&C

Monday October 6				Tuesday October 7				Wednesday October 8			
Session	Time	Presenter	Title	Session	Time	Presenter	Title	Session	Time	Presenter	Title
								Award Plenaries	8:30-9:00	Lisa Flanagan	AES Mid-Career Award: Biophysical Properties Reveal Stem Cell and Cancer Cell Phenotypes
	9:30-10:30	Coffee & Posters			9:30-10:30	Coffee & Posters			9:30-10:30	Coffee & Posters	
AES02 Electrokinetic Fundamentals	10:30-10:50	Henry C. W. Chu	A Unified Model to Predict Electrophoresis in Porous Media and Free Electrolytes	AES04 Future AES - Early Career	10:30-10:50	Raphael Oladokun	Integrating AI and Dielectrophoresis to Profile Biomarkers for Breast Cancer and PDAC Detection Using Peripheral Blood Mononuclear Cells	AES06 Electrokinetic Bioanalysis	10:30-10:50	Soumya Srivastava	DEP-Based Bioelectrical Profiling of Immune Cells for Preclinical Detection of Pancreatic Ductal Adenocarcinoma
	10:50-11:10	Mengren Wu	Lab-on-a-Foil Device for DEP-Based Cancer Cell Separation and Fluid Control		10:50-11:10	Niloufar Amin	Point of Care Detection of Cytokine Interleukin-6 Using Dielectrophoresis Integrated Capacitive Biosensors		10:50-11:10	Cameron D. Shane	Indirect Detection of Glycosaminoglycans by Capillary Electrophoresis using Anionic Dyes
	11:10-11:30	Matin Tabarhoseini	AC electrokinetic separation of nanoparticles in a ratchet microchannel		11:10-11:30	Carlos A. Mendiola-Escobedo	Effects of cell surface glycosylation on zeta potential of neural stem cells		11:10-11:30	Raphael Oladokun	Comprehensive DEP-Based Biomarker Profiling of Peripheral Blood Mononuclear Cells for Early Detection of Pancreatic Ductal Adenocarcinoma Using Animal Models
	11:30-11:50	Blanca H. Lapizco-Encinas	Advances in Nonlinear Electrophoresis on Microfluidic Devices		11:30-11:50	Aaditya Venkatesha Babu Bangaru	Dielectrophoretic Slide: A channel-free platform for single-particle electrokinetic characterization		11:30-11:50	Michael Roper	Microfluidic assay for glucagon detection
	11:50-12:10	Tonoy Mondal	Electrospun nanofibers for micro/nanoscale electrokinetics		11:50-12:10	Brandon K. Ebert	Zeta Potential as a Tool for Monitoring Red Blood Cells in Extracorporeal Membrane Oxygenation		11:50-12:10	Stuart Ibsen	Dielectrophoresis-Based Detection of Pancreatic Cancer Using Orthogonal Biomarkers Carried by Circulating Cancer-Derived Nanoparticles
AES	12:10-13:30	Board Business Meeting & Lunch		AES	12:10-13:30	Abdullah-Bin Siddique *BFA Presenter	Label-free impedance signal-Based Sorting of Pancreatic Islets on size and viability metrics using a pneumatically actuated sidewall diaphragm General Body Meeting & Lunch		12:10-13:30	Exhibit Visits & Lunch	
AES01 Innovations in Device Fab & Applications	13:30-13:50	Jie J. Wu	AC electrokinetics-integrated capacitive sensing platform for point-of-use biochemical detection	AES05 Emerging Leaders	13:30-13:50	Ankur Gupta	Imperfect Turing Patterns: Diffusiophoretic Assembly of Hard Spheres Via Reaction-Diffusion Instabilities	AES07 AES Lifetime Achievement Award	13:30-13:50	Rafael V. Davalos	Design, Development, and History of Contactless Dielectrophoresis
	13:50-14:10	Md Mainul Islam	Fluid shear thinning -driven instabilities in electrokinetic flows for microfluidic mixing		13:50-14:10	Peng Li	Coupling 3D-Printed Microfluidic Devices with Mass Spectrometry for Biomolecule Analysis		13:50-14:10	Alexandra Hyler	Dielectrophoresis Should Continue to be Commercialized
	14:10-14:30	Victor M. Ugaz	Multi-Event Transport Model for DNA Gel Electrophoresis: Advancing Separation of Sub-kilobase Fragments		14:10-14:30	Sebastian Sensale	Designing Next-Generation Nanopore Sensing Technologies		14:10-14:30	Michael B. Sano	Ultrashort Pulsed Electric Fields for In Vivo Genetic Engineering
	14:30-14:50	Sai Deepika Reddy Yaram	Electrokinetic microfluidic device for detecting Anaplasma spp. infections		14:30-14:50	Aliaksei Boika	Electrokinetic Enhancement of Single-Entity Electrochemistry with Hot Microelectrodes		14:30-14:50	Josie Duncan	Inside the Cell: Electric Fields for the Characterization and Treatment of Cancer-Promoting Bacteria within a Host Cell
	14:50-15:10	Negar Farhang-Doost	Dielectrophoretic Characterization and Sorting of Chlorella vulgaris Using a DC-iDEP Platform		14:50-15:10	Bei Fan	Enhanced electrokinetic energy conversion via slippery liquid-infused surfaces		14:50-15:10	Erin A. Henslee	Dielectrophoresis-based cell characterization
	15:10-15:50	Coffee & Posters			15:10-15:50	Coffee & Posters			15:10-15:50	Coffee & Posters	
AES03 Electrokinetic Commercialization & Industry Applications	15:50-16:10	Leyla Esfandiari	A Lab-on-a-Chip Platform for Decoding Extracellular Vesicles: Unlocking New Frontiers in Diagnostics and Regenerative Medicine	AWARD05 Mid-Career Award	15:50-16:10	Tayloria N. G. Adams	Advancing Regenerative Therapies: Leveraging Electrical Signatures for Stem Cell Sorting				
	16:10-16:30	Mark Hayes	From Breakthrough to Business: Commercializing Electrokinetic Technologies from the Academic Lab		16:10-16:30	Fatima H. Labeed	What our cell electrophysiology reveals about the state of our health				
	16:30-16:50	Sydney C. Joseph	Electrophysiology Based Characterization of Glioblastoma Multiforme		16:30-16:50	Nathan Swami	Biophysical cytometry for classification of circulating pancreatic cancer cells in their epithelial, mesenchymal and hybrid states				
	16:50-17:10	Carlos A. Mendiola-Escobedo	Advancements in nonlinear electrophoresis during the last 50 years		16:50-17:30	Michael P. Hughes	DEP for Cell Electrophysiology: What is the Clausius Mossotti Factor?				
	17:10-17:30	Sai Deepika Reddy Yaram	Microgravity-Induced Alterations in Pancreatic Cancer Cell Response to Chemotherapy Using Dielectrophoresis and a 3D-Clinostat System								
	17:30-19:30	Exhibit Hall Opening Reception			17:30-19:30	Exhibitor Happy Hour & SAS Awards					