PROGRAM AT A GLANCE

	Gunston	Fairchild	Cardozo	Embassy	Van Ness
	SUNDAY || OCTOBER 13, 2024				
7:15	FIE Registration Opens Terrace Foyer				
7:30					
8:00					
8:30					
9:00	Design Signatures in the Wild: Making the Invisible Visible (The Directors Cut) Room: Gunston	Let's Play: Improving our Teaching in the Medium of Board Games	Unfolding the Layers of the Engineer of 2050 through Faculty Development and Change		Doctoral Symposium
9:30					
10:00					
10:30					
11:00					
11:30					
12:00					
12:30					
13:00	Affect and Identity in Engineering Education: Understanding how emotions, feelings, and values shape our students work and contribute to their engineering identity	Decolonizing what? Limits and opportunities for developing equitable syllabi in computer science and engineering education	Designing Transformative Engineering Education Projects Towards National Science Foundation Funding Success		Doctoral Symposium
13:30					
14:00					
14:30				FIE Steering Committee	
15:00					
15:30					
15:45					

PROGRAM AT A GLANCE

MONDAY || OCTOBER 14, 2024

Time	Columbia 1	Tenley Town	Rock Creek	Shaw	Gunston	Fairchild	Columbia 2	Embassy	Columbia 3-4
7:00	Registration Opens								
7:30	Breakfast || Columbia NorthWest								
8:00 – 9:15	AI for Faculty	Competencies Development 1	Teaming and Teamwork 1	Diversity and Broadening Participation 1	EdSoc Meetings	Design in the Curriculum	Co-curricular activities for Undergradaute	Instructional Design	Panel: A Vision for the Next 15 Years of Computing Education
9:30 – 10:00	Focus on Exhibitors and Coffee Break Columbia NorthWest								
10:30 – 11:45	Attitudes and Perceptions 1	Undergraduate Education 2	Teaming and Teamwork 2	Diversity and Broadening Participation 2	EdSoc Meetings	K-12 Education 1	Undergraduate Education 1	Continuing Education for Workforce Development	Panel: Bringing Humanitarian Engineering into ECE Programs through Electricity Access Education
12:00 – 13:00	Lunch & Keynote Don L. Millard Columbia 5-12								
13:30 – 14:45	Personal and Professional Development 1	Undergraduate Education 3	Curriculum & Course Development for Graduate Students	Diversity and Broadening Participation 3	Well-being for Graduate Students	K-12 Education 2	Industry involvement and sponsorship	Assessment for Undergraduate Students 1	Panel: Preparing a Competitive Nomination for IEEE and ASEE Fellow and other Competitive Awards
15:00	Focus on Exhibitors and Coffee Break || Columbia NorthWest								
15:30 – 16:45	Ethics 1	Undergraduate Education 4	Attitudes and Perceptions of Graduate Students	Diversity and Broadening Participation 4	AI/ML Learning Tools in CS	K-12 Pedagogical Approach	K-12 AI & Maching Learning 1	First Year Engineering Education 1	Student Panel: Exploring Mental Health and its Relationship with Engineering Culture
17:00 – 18:15	Ethics 2	Undergraduate Education 5	Workforce Development	Graduate education 1	AI/ML Learning Tools 1	K-12 STEM Teacher Education	K-12 AI & Maching Learning 2	First Year Engineering Education 2	Amplifying Voices Through Animaker Animation: Results From a Longitudinal Study With Latino/a/x Engineering Students
18:30 – 19:45	Welcome Reception Heights Courtyard								

PROGRAM AT A GLANCE

TUESDAY || OCTOBER 15, 2024

	Columbia 1	Tenley Town	Rock Creek	Shaw	Gunston	Fairchild	Columbia 2	Embassy	Columbia 3-4	Van Ness
7:00	Registration Opens									
7:30	Breakfast									
8:00 / 9:15	DEI for STEM Faculty 1	Computing Education for Graduate Students	Cybersecurity Education for Undergraduate Students 1	Graduate Education 2	AI/ML Learning Tools 2	K-12 STEM Education 1	K-12 AI & Maching Learning 3	First Year Engineering Education 3	Implementing a Teaching Framework of Critical Consciousness Embedded in Engineering Design Courses	BoG Meeting
9:30 / 10:00	Focus on Exhibitors, Poster Session 1, and Coffee Break Columbia NorthWest									
10:30 / 11:45	Attitudes and Perceptions 2	Augmented or Virtual Reality, Digital Twin for Undergraduate Education	Cybersecurity Education for Undergraduate Students 2	Graduate Education 3	AI/ML Learning Tools 3	K-12 STEM Education 2	K-12 Teacher Professional Development		Special Session: Workshops That Work! Using Evidence-Based Principles for Inclusive and Engaging Workshop Development and Facilitation	BoG Meeting
12:00 / 13:30	FIE/IEEE Awards Luncheon & Keynote || R. Iris Bahar Columbia 5-12									
13:45 / 14:45	STEM Education for Faculty	AI Tutoring for Undergraduate Students	Attitudes and Perceptions of Undergraduate Students	Graduate Education 4	AI/ML Learning Tools 4	K-12 Computer Science Education	DEI for K-12 Education	Assessment for Undergraduate Students 2	Writing for the IEEE Teaching Excellence Hub	BoG Meeting
15:15	Focus on Exhibitors and Coffee Break || Columbia NorthWest									
15:30 / 16:45	DEI for Graduate Education	Innovative Undergraduate Education	PBL for Undergraduate Students	Undergraduate Competencies Development 1	AI/ML Learning Tools 5	K-12 Cybersecurity Education	Pre-college Outreach	Undergraduate Online Learning	Improving Interview Skills Using the Interview Quality Reflection Tool (IQRT)	BoG Meeting
17:15 / 18:15	Insitutional Change for Graduate Education	Computing Education for Undergraduate Students 2	Curriculum & Course Development for Undergraduate Students 3	Gamification for K-12 Students	AI/ML Learning Tools 6	Electrical Engineering Education	Assessment for Undergraduate Students 3		Calling All Voices: Transforming Scholarly Perception of an Entrepreneurial Mindset Framework Through a Community-Led Delphi Study	BoG Meeting
18:45 / 19:45	Reviewer Appreciation Drink Reception Heights Courtyard									

PROGRAM AT A GLANCE

WEDNESDAY || OCTOBER 16, 2024

Time	Columbia 1	Tenley Town	Rock Creek	Shaw	Gunston	Fairchild	Columbia 2	Embassy	Columbia 3-4	Van Ness
7:00	Registration Opens									
7:30	Breakfast									
8:00 / 9:15	Undergraduate Research Expereince	Computing Education for Undergraduate Students 1	Mechanical Engineering Education	Gamification for Undergraduate Students 1	AI/ML Learning Tools 7	Undergraduate Laboratory Learning	Capstone Education 1	Computer Science Education	Smartness as a Fundamental Component of Engineering Classrooms and Culture: Translating Research to Practice	FIE Steering Committee Meeting
9:30 / 10:15	Focus on Exhibitors, Focus on NFF Posters, and Coffee Break Columbia NorthWest									
10:30 / 11:45	Undergraduate Research Experience 2	Computing Education for Undergraduate Students 3	Curriculum & Course Development for Undergraduate Students 2	Gamification for Undergraduate Students 2	Mental Health for Undergraduate Students	Undergraduate Education for Construction Industry	Capstone Education 2	Instructional Method 1	Undergraduate Programming Education 1	
12:00 / 12:30 / 13:00	Lunch & Keynote Chris Daugherty Columbia 5-12									
13:30 / 14:45	Undergraduate Co-Curricular Activities	Undergraduate Education 6	Curriculum & Course Development for Undergraduate Students 3	Diversity and Broadening Participation in K-12	Entrepreneurial Education	Virtual Learning in Undergraduate Education	Computer-based instruction	Instructional Method 2	Undergraduate Programming Education 2	FIE 2025 Meeting
15:00	Coffee Break || Columbia NorthWest									
15:30 / 16:45	AI Literacy for Undergraduate Students	Undergraduate Education 7	Math Education for Undergraduates	Undergraduate Competencies Development 2		Bridging Two to Four Year Higher Education	Learning Tools in Engineering Education	Undergraduate Student Motivation	Undergraduate Programming Education 3	
17:00	FIE ENDS									