

2025 AEC Educational Program

Monday, March 17, 2024

Monday 3/17	8:00 am - Noon	Pre-Conference Workshop Salon 5 A Deep Dive Into Office Ergonomic Standards Teresa Bellingar, Haworth	Preconference Workshop Salon 6 BCPE Ergonomics Certification Robert Smilie	Preconference Workshop Salon 7 Effective Test and Evaluation of New Safety Technologies Marisol Barerro, Vibrantz and Jesse Jacobs, Liberty Mutual		
	1:00 pm - 5:00 pm	Mastering Ergonomics: The Blueprint for an Effective Process Rick Barker, VelocityEHS	BCPE Ergonomics Certification Robert Smilie			
	5:00 pm - 6:30 pm	Welcome Reception and Ergo Cup Team Photos (Grand Ballroom)				

Tuesday, March 18, 2025

Track	Advancements in Ergonomics 1	Ergonomics Programs 1	Ergonomics in Action 1	MT/ RT	Student/ YP 1
Session Coordinator: TBD	Salon 1/2	Salon 11/12	Salon 3	Salon 9	Salon 4
8:00 am - 8:30 am	4454 Inclusive Design and Creating Accessible Products: Designing Work Environments for a Diverse Workforce Ashley Mayo, PT, DPT, AEP, Fit For Work	4256 AGCO Case Study: Utilizing a Continuous Improvement Focus in Deploying a Sustainable Ergonomics Process Blake McGowan, VelocityEHS	FEATURED SPEAKER Existentialism + Ergonomics = EHS Leadership Rob Paulsen, Tesla	4763 Roundtable Discussion: Integrating Flooring Safety and Ergonomics to Improve Workplace Safety and Reduce Liability Victoria Ballard, Forensic Human Factors, LLC	4299 Entering the Field: Advice for Soon to Be Grads, Post Grads and New Hires. Sydney Kelley, Cintas Corporation
	8:30 am - 9:00 am	4390 Addressing Exoskeleton Architectural Diversity in Ergonomic and Biomechanical Studies Homayoon Kazerooni, University of California at Berkeley	4589 Control Room Ergonomics Management. Adapting the program for a 24/7 high stress environment. Lorraine Oswald, Enbridge		
9:00 am - 9:30 am		4481 Uncovering Injury Root Causes and Measuring Impact: How AI Achieved a 60% Reduction in Injuries Cheryl Roy, DORN Companies	4398 Ergonomics micro-learning development: Translating complex concepts into understandable workplace strategies Christina Timmons, Taylor'd Ergonomics Incorporated		
	9:45 am - 10:45 am	Keynote Presentation - Karl Zelik (Junior Ballroom)			
10:45 am - 3:00 pm	Exhibit Hall Open (Grand Ballroom)				
Noon - 1:15 pm	Lunch (Junior Ballroom)				
1:00 pm - 2:00 pm	Poster Sessions (Grand Foyer)				
1:00 pm -- 2:45 p.m	AES Town Hall (Salon 7-8)				

Track	Advancements in Ergonomics 2	Ergonomics Programs 2	Ergonomics in Action 2	Office Ergonomics 1	Student/ YP 2
Session Coordinator: TBD	Salon 1/2	Salon 11/12	Salon 3	Salon 10	Salon 4
		4749	4432	4441	4483
3:00 pm - 3:30 pm	#N/A	Integrating Ergonomics into Existing Systems	Optimizing Push/Pull Efficiency: Wheel Material Selection Considering Secondary Risk Factors	Lessons Learned from Office Ergonomics Program sustainment - understanding and eliminating barriers to user adoption	Transitioning into Ergonomics: Leveraging your Skills and Experience
	#N/A	Heather White, The Ergonomics Center	Madeline Shoot, Darcor Limited	Lorraine oswald, Enbridge Inc	Kaysey Aguilar,
	4328	4479	4295	4581	
3:30 pm - 4:00 pm	Biomechanics and AI: Enhancing Ergonomic Risk Analysis for Injury Prevention and Workplace Efficiency	Moving Beyond Basic Ergonomic Assessments	Push and Pull forces, what factors have the greatest effect?	Stay Liquid: Adapting Your Ergonomics Program to a Hybrid Work Environment	
	Ashley Mayo, PT, DPT, AEP, Fit For Work	Alex Smith, DORN Companies	Rob Jorden, Bickler USA	LaQuandra Bass, Wells Fargo	
	4420	4868	4930	10975	
4:00 pm - 4:30 pm	The Essential Role of AI and Machine Learning in Your Ergonomics Program	Lockheed Martin's Participative Ergonomics Train-the-Trainer Program	The Business Case of Cart Ergonomics	Best Practices for Virtual Office Ergonomics	
	Shane Larson, Inseer	Charlene Cornish, Lockheed Martin	Derrick Palma, Ford Motor Company	Carrie Bath-Scheel, Occucare Injury Prevention	
5:15 pm - 6:15 pm	Speed Networking (Junior Ballroom)				
6:00 pm - 9:00 pm	Networking Events (Pinstripes and World of Chocolate Museum - Transportation Pickup at Signature 1 Entrance)				

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Wednesday, March 18, 2025

Wednesday 3/19	Track	Advancements in Ergonomics 3	Ergonomics Programs 3	Ergonomics in Action 3	Office Ergonomics 2	RT/ MT
	Session Coordinator: TBD	Salon 1/2	Salon 11/12	Salon 3	Salon 10	Salon 9
	8:00 am - 8:45 am	4426	4458	4407	4401	4384
		Quantifying Effort Durations for Common Automotive Assembly Tasks	Partnering Ergonomics with Operations Excellence Teams	Shifting Culture: A new way to look at total employee health and ergonomics (Case Study)	There's no place like home ... or is there?: Common challenges adopting hybrid work	Professional Development within Ergonomics
		Michael Watterworth, Ontario Tech University	Jamie Burget, Lockheed Martin	Morgan Charlow, WorkCare, Inc	Victoria Brunet, Sandalwood	Madeline Shoot,
	8:45 am - 9:30 am	4663	4276	4385	4270	
		Force Atlas: A Closer Look	Integrating Ergonomics with Continuous Improvement Initiatives: Considerations for the Human Operator	Field Results: Impact of Verve Motion Exosuits on Selection at Wegmans Food Markets, Inc.	Computer Workstation Comfort - It's Probably Not What You Think	
	9:45 am - 10:45 am	Keynote Presentation - Mike Courtney (Junior Ballroom)				
	10:45 am - 1:15 pm	Exhibit Hall Open (Grand Ballroom)				
	11:30 am - 12:30 pm	Poster Presentations (Grand Foyer)				
Noon - 1:15 pm	Lunch Break					
Track	Advancements in Ergonomics 4	Ergonomics Programs 4	Ergonomics in Action 4	Office Ergonomics 3	RT/ MT	
Session Coordinator: TBD	Salon 1/2	Salon 11/12	Salon 3	Salon 10	Salon 9	
1:30 pm - 2:15 pm	4235	4338	4399	4827	10878	
	A Multi-Disciplinary Approach to Integrating Ergonomic Solutions into Software Innovations	Honda of Canada Mfg.'s Ambassador Program: Setting up New Hires for Success	Promoting the use of ergonomic work strategies for Long-Term Care	Classroom Ergonomics: Designing Healthy Learning Environments	Enhancing Workplace Safety and Efficiency through Ergonomically Optimized Casters	
2:15 - 3:00 pm	Vincent Racco, Amazon	David Catallo, Honda of Canada Mfg.	Carrie Taylor, Taylor'd Ergonomics Incorporated	Maya Peleg, Humanscale	Eric Hassen, Caster Connection, Inc.	
	4676	4456	4344	4803		
	Can AI based human pose estimates be used to generate meaningful ergonomic assessments?	Why body mechanics as a first step in a participatory ergonomics program	Investigating the Operational Impacts of Our Facility Designs: Driving Evolution in our Engineering Standards	Hybrid Office Workers - Does location matter for mental stress?		
3:00 pm - 3:15 pm	Christina Cort, Siemens	Caroline Furtak, United Airlines	Wendy Lee, Enbridge	Martha Parker, Texas A&M University		
Afternoon Break						
Track	Advancements in Ergonomics 5	Ergonomics Program 5	FEATURED SPEAKERS		MT/ RT	
Session Coordinator: TBD	Salon 1/2	Salon 11/12	Salon 3		Salon 9	
3:15 pm - 4:00 pm	4770	4447	5047		4309	
	Exoskeletons in the Workplace: Navigating the Path to Widespread Adoption and Overcoming Implementation Challenges	Examining the Factors that Influence Lift Assist Compliance in Manufacturing	The invisible force? Opportunities in Sensors, Computer Vision, and Artificial Intelligence for Determining Worker Exertions	#N/A	Components of a cart program: Panelists will share key aspects and learnings of their program	
	Laniesha Littleton, ihealth 360	Joey Prange, Tesla	Denny Yu, Purdue University	#N/A	KEITH WHITE, Lennox International Inc.	
4:00 pm - 4:45 pm	4337	4257	8691			
	Evaluation of passive exoskeletons on physical and cognitive demands and their relationship with user preference	Six Common Reasons Why Workplace Ergonomics Deployments Fail	The Ergonomic Advantage: Five Essential Lessons You Need to Know	#N/A		
	Lucie Outlaw, Auburn University	Blake McGowan, VelocityEHS	Julie Brazier, Ford Motor Company	#N/A		

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Thursday, March 20, 2025

Track		Advancements in Ergonomics 6	Business of Ergonomics 1	Ergonomics in Action 5	Applied Research 1	MT/ RT
Thursday 3/20	Session Coordinator: TBD	Salon 1/2	Salon 11/12	Salon 3	Salon 10	Salon 9
	8:00 am - 8:30 am	4446 Motion Capture: Better Movement Everyday Kristianne Egbert, Briotix Health	4443 Productivity Through Practical Ergonomics Jane Scafati, CNA Insurance	10880 Building a Strong Ergonomics Program: TMCC's Approach to MSD Prevention and Job Fit Optimization Seth Burt, Toyota Motor Manufacturing Canada	4391 Evaluating Workforce Safety and Training in Manufacturing for Industry 4.0 Nishat Alam, West Virginia University	4465 Posture Relief: effective ways to implement & sustain in pre-shift and during shift Paul Venuto, Doctors of Physical Therapy
	8:30 am - 9:00 am	4450 Extended Reality in Ergonomics: Training with your own Avatar Norbert Lechner, Austrian Workers Compensation Board - Prevention Department	4822 Frontline Workers' Perspectives on the Prevention of Musculoskeletal Disorders Rammohan Maikala, National Safety Council	4476 Do Not Overlook Maintenance Partners on your Ergo Teams. Woody Rogers, Cintas Loc 45	4486 Ergonomics and ADHD: Assessing and Addressing Psychosocial Stress, Self-Efficacy, and Support Systems in Manufacturing Workers Victoria Ballard, Auburn University/Forensic Human Factors, LLC	
Thursday 3/20	9:00 am - 9:30 am	4582 Creation of a motion library for human simulation authoring Joel Cort, University of Windsor	4410 Cultivating Unique Leadership & Marketing Skills to Help You Elevate Your Ergonomics Programs & Initiatives Bobbie Watts, Michelin North America	4890 The Challenges of Job Rotation Allison Stephens, Fanshawe College	4355 Assessing Physical Fatigue Utilizing Wearable Sensors to Improve Workplace Ergonomics and Safety Md Hadisur Rahman, West Virginia University	
	9:30 am - 10:00 am	Break				
Track		Applied Research 2	Business of Ergonomics 2	Ergonomics in Action 6	Ergonomics in HSE 1	RT/ MT
Thursday 3/20	Session Coordinator: TBD	Salon 1/2	Salon 11/12	Salon 3	Salon 10	Salon 9
	10:00 am - 10:30 am	4514 Establishing Torque-Angle Equations to Predict Low Back Exoskeleton Support Moment Jarrod Smith, University of Windsor	4397 "Move It!" – Do active microbreaks improve worker comfort, productivity, and quality? Carrie Taylor, Taylor'd Ergonomics Incorporated	4466 Ergonomic Challenges in Vivarium's: Addressing Safety in Breeding Facilities and Contract Research Organizations Cara Armstrong, CNA	4455 Physical Ability Testing: Is it Legal and How Can it Help My Organization? Chase Feeler, PT, DPT, WorkSTEPS	4333 Integrating sensorless motion capture and assessments into a site ergonomics program KEITH WHITE, Lennox International, Inc.
	10:30 am - 11:00 am	4305 Effectiveness of a Trunk Posture Feedback System: A 6-Week Field Study in a Distribution Center Jiwon Choi, Virginia Tech	4665 Harnessing Data for Safer Workplaces: Building a Unified Strategy for Occupational Health Insights Russ Hertzberg, Briotix Health	4475 Preventing Musculoskeletal Disorders within Stone, Sand and Gravel Mining Operations Todd Smith, Indiana University - Bloomington	4308 Prepare, Perform, Recover: A Blueprint for Health and Safety Rich Baudry, BRIO Health Performance	
Thursday 3/20	11:00 am - 11:30 am	4324 Reducing injuries in Fire Departments through Improved Ergonomic Truck Design By William Lenharth, Ph.D., CHFP William Lenharth, University of New Hampshire	4472 Ergonomics and Risk Management in Advanced Manufacturing: A Strategic Integration Anuja Patil, CNA Insurance	4896 The Use of Virtual Reality Tools to augment Ergonomics Allison Stephens, Fanshawe College	4255 Five Tips for Strengthening Ergonomics Within JSA's Jaclyn Faraci, VelocityEHS	
	11:45 am - 1:30 pm	Ergo Cup Luncheon & Award Ceremony (Junior Ballroom)				