



International Society for Technology in Arthroplasty

34th ISTA Congress

*Emerging Technologies in Arthroplasty:
“Innovation and Entrepreneurship”*

September 27-30, 2023

Sheraton New York Times Square Hotel
New York City, NY

PROGRAM-AT-A-GLANCE



International Society for Technology in Arthroplasty

Dear Esteemed Colleagues and Distinguished Participants,

Welcome to the 34th Annual International Society for Technology in Arthroplasty (ISTA) Meeting in the vibrant city of New York!

It is our privilege to host you at this prestigious event, where we bring together pioneers and thought leaders in the field of arthroplasty. This year's collaboration between the two esteemed NY institutions: NYU Langone Orthopedic Hospital and Hospital for Special Surgery (HSS), exemplifies our unwavering commitment to excellence in arthroplasty and underscores the importance of collaboration across leading institutions.

We have meticulously crafted a program that seamlessly merges tradition with innovation, introducing new features that promise to elevate your experience:

Innovation Symposiums: Our dedication to pushing the boundaries of knowledge and innovation has never been more steadfast. We are thrilled to present a series of Innovation Symposiums that delve into the latest breakthroughs and trends at the intersection of technology and arthroplasty. These symposiums will bring together leading experts, researchers, and practitioners to discuss pioneering concepts and share invaluable insights into how technology is reshaping our field.

Breakfast and Lunch Symposiums: In addition to our traditional lectures and presentations, we are expanding our Breakfast and Lunch Symposiums. These sessions offer a platform for in-depth discussions and interactive learning. We firmly believe that these symposiums will foster collaborative dialogues and facilitate the exchange of ideas among our participants.

Short Talk Sessions: Our poster sessions have evolved into Short Talk Sessions, providing an extended canvas to showcase cutting-edge research and advancements in the field. It provides a platform for researchers to deliver their presentations on focused topics.

Shark Tank Competition: Innovators and entrepreneurs will have the opportunity to pitch their groundbreaking ideas and technologies to a panel of prestigious judges. This session promises to be a thrilling showcase of innovation and creativity, and it's just one more way we are pushing the envelope at ISTA.

We are delighted to announce that this year's annual ISTA Lifetime Achievement Award is granted to Dr. Timothy Wright from Hospital for Special Surgery. Dr. Wright's pioneering contributions to our field have been nothing short of exceptional, and his dedication to advancing the boundaries of technology in arthroplasty is an inspiration to us all.

Our heartfelt appreciation extends to our sponsors, speakers, organizing committee, reviewers, and all participants for their unwavering support in making this event possible. We eagerly anticipate the rich exchange of ideas, profound learning, and collective shaping of the future of arthroplasty through technology.

As we convene in the heart of one of the world's most iconic cities, we encourage you to make the most of your time in New York. We hope you'll seize the opportunity to explore its cultural treasures, savor its world-class dining, and take in its breathtaking sights.

Regards,

morteza meftah

Morteza Meftah, MD
President and Co-Chair

douglas padgett

Douglas Padgett, MD
Co-Chair

BOARD OF DIRECTORS

Catherine Van Der Straeten, MD, PhD - *Acting Secretary General*
S. David Stulberg, MD - *Past Presidents Council Representative*
Jeffery Taylor, MD - *Chief Financial Officer*
Morteza Meftah, MD - *President*
William Mihalko, MD, PhD - *1st Vice President*
Hani Haider, PhD - *1st Past President*
Matthew Teeter, PhD - *2nd Past President*
Philip Noble, PhD - *Director of Scientific Review*

At-Large Members

Patricia Campbell, PhD	Yasushi Oshima, MD, PhD
A. Seth Greenwald, DPhil(Oxon)	Vani Sabesan, MD
Fares Haddad, MBBS, MD (Res), MCh (Orth), FRCS (Orth), FFSEM	David Schroeder
Seung-Beom Han, MD	Bernard Stulberg, MD
Petra Heesterbeek, PhD	Nobuhiko Sugano, MD, PhD
Arun Mullaji, FRCSEd, MCh Orth, MS Orth	Markus Wimmer Dr. -Ing. (ME, PhD)
Ebru Oral, BSc, PhD	

LIFETIME ACHIEVEMENT AWARD

This award recognizes a lifelong contribution to advancing the state of the art in joint reconstruction that has changed the landscape of arthroplasty. Each year, the ISTA Board determines the recipient of this most prestigious award and, this year, is honored and delighted to acknowledge the lifetime achievements of **Timothy Wright, PhD**. Dr. Wright will present “Arthroplasty in 2023 – The View of a Lifetime” on Thursday, September 28th at 3:30pm.

AWARDS COMMITTEE

Nico Verdonschot, PhD - *Co-Chair*
Scott Banks, PhD - *Co-Chair*

HAP PAUL AWARD

sponsored by Canary Medical

The award is given in honor of Howard A. “HAP” Paul, DVM, who was one of the charter members of ISTA and a tireless clinician-researcher pioneering advances in arthroplasty and surgical robotics.

This year, **Prof. Justin Cobb** and co-authors have been selected to receive this prestigious award for their paper titled, “H1, a Cementless Ceramic Anatomic Hip Resurfacing: The Results of a 250pt Study at 1-5 Yrs.”, which will be presented on Thursday, September 28th at 10:30am.

Reviewers

Bernardo Innocenti, PhD
Dennis Janssen, PhD
Jonathan Jeffers, PhD
Tony Miles, PhD
Richard Van Arkel, PhD
Catherine Van Der Straeten, MD, PhD
Bill Walter, MBBS, PhD

EARLY CAREER INVESTIGATOR AWARD

This award is presented to the best paper submitted by an early career investigator on research related to the field of arthroplasty.

This year, **Periklis Tzanetis** has been selected to receive this award for his exceptional paper titled, “Toward Functional Reconstruction of the Pre-Diseased State in Robotic-Assisted Total Knee Arthroplasty”, which will be presented on Thursday, September 28th at 10:45am.

Reviewers

Martin Browne, PhD
Hani Haider, PhD
Seung-Beom Han, MD
Jih-Yang Ko, MD
Arun Mullaji, FRCSEd, MCh Orth, MS Orth
Vani Sabesan, MD
Matthew Teeter, PhD

34th ISTA CONGRESS ORGANIZING COMMITTEE

Morteza Meftah, MD - *President and Co-Chair*

Douglas Padgett, MD - *Co-Chair*

Scott Banks, PhD - *Awards Committee Co-Chair*

A. Seth Greenwald, DPhil(Oxon)

Jonathan Jeffers, PhD

Philip Noble, PhD - *Director of Scientific Review*

Rafael Trommer, PhD

Catherine Van Der Straeten, MD, PhD - *Acting Secretary General*

Richard Van Arkel, PhD

Nico Verdonschot, PhD - *Awards Committee Co-Chair*

Peter S. Walker, PhD

ABSTRACT REVIEWERS

Scott Banks
William Bargar
Jeffrey Bischoff
John Blaha
Adam Briscoe
Claire Brockett
Martin Browne
Jun-Dong Chang
Chadd Clary
Raelene Cowie
Barbara Currier
Yifei Dai
Mehul Dharia
Nicholas Dunbar
Maureen Dwyer
Eddie Ebramzadeh
Christina Esposito
Clare Fitzpatrick
Robert Frangie
Joshua W Giles
Julien Girard
A. Seth Greenwald
Fares Haddad
Shuyang Han
Hyuk-Soo Han
Ulrich Hansen
Petra Heesterbeek
John Hollingdale
Cathy Holt
Carl Imhauser
Amandine Impergre
Sabir Ismaily

Dennis Janssen
Jonathan Jeffers
Louise M. Jennings
Jean-Yves Jenny
Andrew Jensen
Seung-Baik Kang
Bryan Kirking
Jih-Yang Ko
Richard Komistek
J. Philippe Kretzer
Steven Kurtz
Michael LaCour
Mario Lamontagne
G Daniel Langohr
Guoan Li
Sally LiArno
Kartik Logishetty
David Maldonado
Kenneth Mathis
Patrick A. Meere
Morteza Meftah
William Mihalko
Tony Miles
Michael Morlock
John Kyle Mueller
Arun Mullaji
Philip Noble
Ebru Oral
Douglas E Padgett
Jesal Parekh
Christopher Plaskos

Robin Pourzal
Clyde Pratt
Claude Rieker
Christopher Roche
David Rodriguez
Nathan Rogers
Paul Rullkoetter
Vani Sabesan
Sophia Sangiorgio
Steven Schroder
David Schroeder
Bernard Stulberg
S. David Stulberg
Nobuhiko Sugano
Shinro Takai
Mark Taylor
Matthew Teeter
Keith Tucker
Keisuke Uemura
Richard van Arkel
Douglas Van Citters
Catherine Van Der Straeten
Nico Verdonschot
Matthias Verstraete
Edgar Wakelin
Peter Walker
William Walter
Leo Whiteside
Janie Wilson
Markus Wimmer
Philip Winnock De Grave
Timothy Wright



SHORT TALK KIOSKS - LOWER LEVEL ROOM ASSIGNMENTS

WEDNESDAY, SEPTEMBER 27, 2023

4:00 PM - 5:00 PM

**KIOSK 1
Sugar Hill**

**KIOSK 2
Chelsea**

**KIOSK 3
Bryant Park**

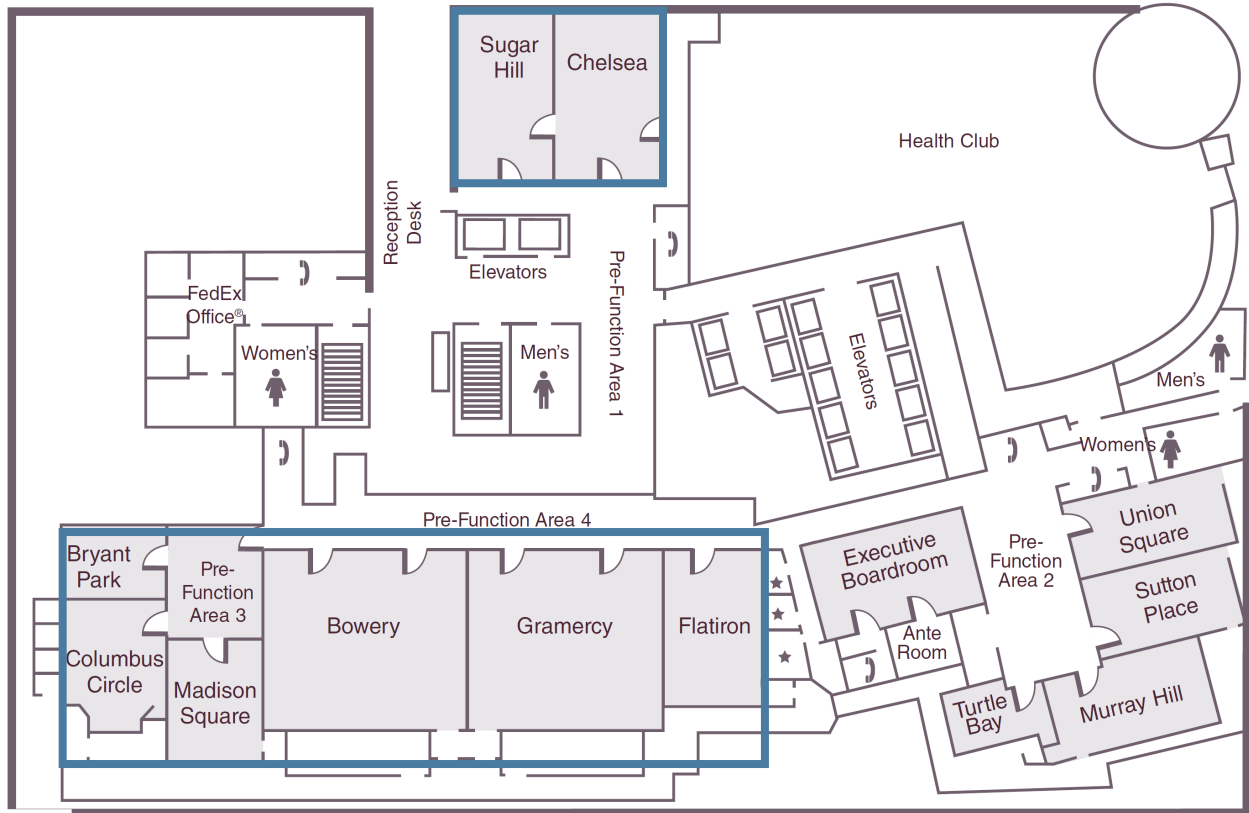
**KIOSK 4
Columbus Circle**

**KIOSK 5
Madison Square**

**KIOSKS 6 - 7
Bowery**

**KIOSKS 8 - 9
Gramercy**

**KIOSK 10
Flatiron**



EARLY CAREER ROUNDTABLE

sponsored by Intellijoint Surgical

WEDNESDAY, SEPTEMBER 27, 2023

LENOX (2nd Floor), 5:00 PM - 6:30 PM

Please join us for the annual ISTA Early Career Roundtables! At this social event, small groups of Early Career attendees will meet prominent figures from the world of arthroplasty and participate in roundtable discussions on contemporary topics in our field. This year, the topics are: **Commercializing Your Research, Artificial Intelligence, Knee Arthroplasty Debates, Hip Arthroplasty Debates, Robotic & Smart Instrumentation, Computational & Experimental Modeling, and Data Science & Wearables.**

The format will be 3 discussion sessions of 30 minutes at tables of 12 participants - come early to claim your seat.

WELCOME RECEPTION

WEDNESDAY, SEPTEMBER 27, 2023

CENTRAL PARK EAST/METROPOLITAN WEST (2nd Floor), 6:30 PM - 8:30 PM

		7:00 AM	7:30 AM	8:00 AM	8:30 AM	9:00 AM	9:30 AM	10:00 AM	10:30 AM	11:00 AM	11:30 AM	12:00 PM	12:30 PM	1:00 PM
Thursday, September 28, 2023	Metropolitan East			TKA: Robotic Surgery 1	THA: Robotic Surgery			HAP/EC	Presidential Guest Speaker					
	Empire East			AI: Hip	AI: Knee									
	Empire West			Infection	Anti-Infective Biomaterials									
	Lenox	Breakfast											Stryker	
	Central Park West	Zimmer Biomet											Materialise	
	Central Park East & Metropolitan West	Breakfast						Break					Lunch	
Friday, September 29, 2023	Metropolitan East		Invention in Orthopedics	Approach to Funding	IP & Regulatory				Innovation Keynote					
	Empire East		TKA: Robotic Surgery 2	Imaging	TKA Bio-mechanics									
	Empire West		THA Bio-mechanics 1	THA Bio-mechanics 2	Computer Modeling									
	Lenox	Breakfast											Smith & Nephew	
	Central Park West	Breakfast											Peptilogics	
	Central Park East & Metropolitan West	Breakfast						Break					Lunch	
Saturday, September 30, 2023	Metropolitan East		TKA: Kinematics	Knee Laxity				Alignment in TKA	TKA: Outcomes					
	Empire East		Spinopelvic Debate in THA	Hip Resurfacing				Smart Instruments	Imaging & Measurements 2					
	Empire West		Patient-Specific	Hand & Wrist Foot & Ankle				Implant Design 1	Implant Design 2					Short Talks
	Lenox													
	Central Park West	JointMedica												
	Central Park East & Metropolitan West	Breakfast						Break						

Food & Breaks

Podium Talks

Short Talks

E-Posters & Exhibits

1:00 PM
1:30 PM
2:00 PM
2:30 PM
3:00 PM
3:30 PM
4:00 PM
4:30 PM
5:00 PM
5:30 PM
6:00 PM

The Modern Implant	The Modern Knee		LTA	The Modern Hip		Metropolitan East	Thursday, September 28, 2023
Biomaterials 1	Biomaterials 2			Corrosion & Wear		Empire East	
Shoulder 1	Shoulder 2			Implant Testing		Empire West	
					Short Talks	Lenox	
						Central Park West	
		Break				Central Park East & Metropolitan West	
Strategic M&A	Success Stories		Shark Tank Finalists			Metropolitan East	Friday, September 29, 2023
Wearables & Sensors 1	Wearables & Sensors 2		Imaging & Measurements 1			Empire East	
Clinical Management	Practice Management		THA Outcomes		Short Talks	Empire West	
						Lenox	
						Central Park West	
		Break				Central Park East & Metropolitan West	
						Metropolitan East	Saturday, September 30, 2023
						Empire East	
						Empire West	
Short Talks						Lenox	
						Central Park West	
						Central Park East & Metropolitan West	

Food & Breaks

Podium Talks

Short Talks

E-Posters & Exhibits

ISTA 2023 Annual Congress Industry Participants

Gold Sponsors



Silver Sponsors



Bronze Sponsors



Full Participation Sponsors



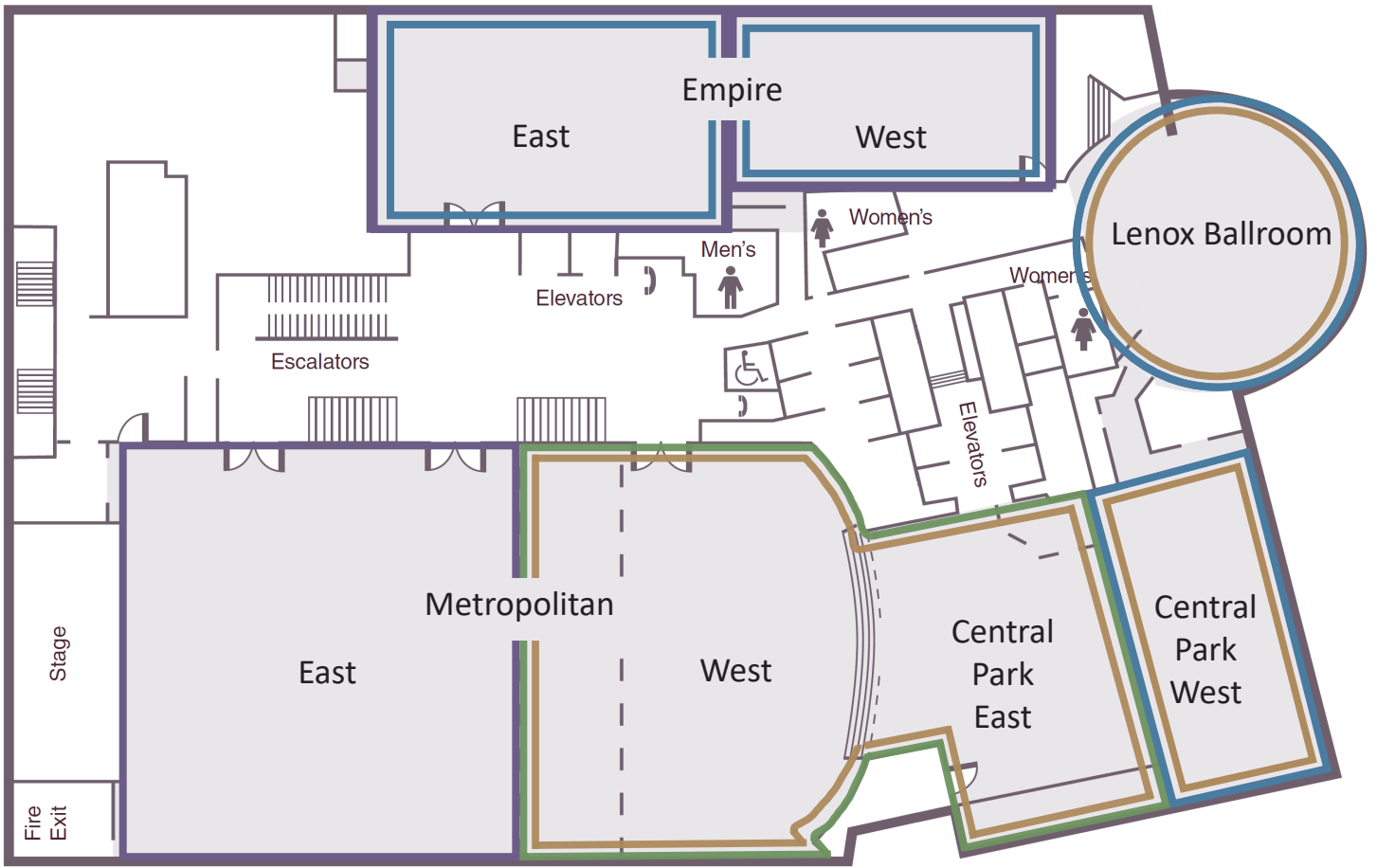
Early Startup Sponsors



Sponsors



2nd FLOOR ROOM ASSIGNMENTS
THURSDAY - SATURDAY



Podium Talks

Metropolitan East, Empire East and Empire West

E-Posters & Exhibits

Metropolitan West and Central Park East

Short Talks

Empire East, Empire West, Central Park West and Lenox

Food & Breaks

Metropolitan West, Central Park East, Central Park West and Lenox

SHORT TALK KIOSKS - 2nd FLOOR ROOM ASSIGNMENTS
THURSDAY - SATURDAY

KIOSKS 1 - 4
Lenox

KIOSKS 5 - 6
Empire East

KIOSKS 7 - 8
Empire West

KIOSKS 9 - 10
Central Park West

NOTES:

NOTES:



To access the 34th ISTA Annual Congress detailed program and download the printer-friendly version, please utilize the below QR code.



International Society for
Technology in Arthroplasty

istaonline.org | organizer@istaonline.org
1246 P Street, Sacramento, CA 95814 USA