

International Society for
Technology in Arthroplasty

ISTA



ISTA2018

10-13 October, 2018

London, United Kingdom

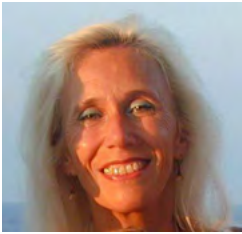


**SUBMIT YOUR ABSTRACTS AND
AWARD PAPERS BY 1 MAY, 2018**

INNOVATIVE SOLUTIONS FOR ARTHROPLASTY

Join us in London for ISTA's 31st Annual Congress, where delegates from clinical practice, academia and industry will discuss new and foundational topics in the field of technology in arthroplasty.

Welcome to
ISTA2018



On behalf of the Board of Directors of the International Society for Technology in Arthroplasty, I am honoured to invite you to participate in ISTA's 31st Annual Congress, to occur from 10th to 13th October 2018 in London, capital of the United Kingdom!

In 2018, ISTA expects to host 800+ of the brightest arthroplasty surgeons, engineers, scientists and industry members from the world over, with strong representation from Europe, the USA, Canada, Asia and Australia to discuss innovative solutions and groundbreaking technologies in the field of arthroplasty.

This year's Congress will be held at the Queen Elizabeth II (QEII) Conference Centre in the heart of the City of London, next to Big Ben and Westminster. Ideally located in the centre of historic London, this widely recognized venue and its neighbouring hotels are only minutes away from historic landmarks, museums, shopping, restaurants, theatres and the river Thames.

We look forward to welcoming you to London!

Sincerely,

A handwritten signature in black ink, appearing to read 'C. Van Der Straeten'.

Catherine Van Der Straeten, MD, PhD

President, ISTA 2018



CONGRESS VENUE

Queen Elizabeth II Centre
 Broad Sanctuary
 Westminster, London
 United Kingdom

IMPORTANT DEADLINES

• MAY • Abstract & Award
 Submission
1 Deadline

• AUG • Early Bird
 Registration
10 Deadline

CONGRESS TIMELINE

Wed 10 Oct	6:00 PM - 7:30 PM	Presidential Welcome Reception	
Thurs 11 Oct	7:00 AM - 11:20 AM	Scientific Sessions	Exhibits
	11:20 AM - 12:20 PM	E-Poster Sessions	
	12:20 PM - 1:20 PM	Lunch	
	1:20 PM - 6:00 PM	Scientific Sessions	
	6:00 PM - 7:00 PM	E-Poster Sessions	
Fri 12 Oct	7:00 AM - 11:20 AM	Scientific Sessions	Exhibits
	11:20 AM - 12:20 PM	E-Poster Sessions	
	12:20 PM - 1:20 PM	Lunch	
	1:20 PM - 5:00 PM	Scientific Sessions	
	5:00 PM - 6:00 PM	E-Poster Sessions	
	7:00 PM - 11:00 PM	Gala Dinner	
Sat 13 Oct	7:00 AM - 12:00 PM	Scientific Sessions	Exhibits



ABSTRACT SUBMISSION CATEGORIES

GENERAL

- 3D Printing in Orthopedics
- Adoption & Cost-Effectiveness of Disruptive Technologies
- Advanced Mechanical Testing of Natural & Artificial Joints
- Big Data & Data Analytics
- Biomechanics as a Basis for New Implant Design & Surgery
- Bone & Joint Preservation
- Models to Reliably Predict Which Patients Will Require Revision Joint Replacement
- DVT/PE
- Global Practices & Economics
- Imaging & Measurements
- Innovative Clinical Pathways
- Innovative Materials & Surface Technologies
- Mechanobiology & Implant Biology
- New Technologies for Evaluation of Implant Performance
- Perioperative Blood Management
- Smart Implants & Instruments
- Social Media & Modern Trends in Publishing
- Solutions for Periprosthetic Joint Infections
- Technology Transfer to Developing Countries
- Virtual & Augmented Reality Solutions for Surgical Training

ELBOW

FOOT & ANKLE

SPINE

HIP & KNEE

- Anatomy & Biomechanics
- Clinical Results (>10 yrs)
- Functional Outcomes
- Implant Fixation
- Revision Implants
- Wear & Retrieval Analysis

HIP FOCUS

- Bearings
- Femoroacetabular Impingement
- Metal Ions
- Outcome & Survivorship of Revision THA
- Positioning Technology
- Resurfacing
- Short Stems
- Solutions to Trunnions – Materials, Design or Surgical Technique

KNEE FOCUS

- Factors Affecting the Pain Experience After TKR: Is TKR a Risk Factor for Opioid Abuse?
- Kinematics
- Patient Specific Instruments
- Positioning Technology
- Satisfaction Gap of Knee Replacement Patients
- Soft Tissue Balancing
- Outcome & Survivorship of Revision Knee Replacement
- Unicompartmental Knee Arthroplasty

SHOULDER

- Anatomy & Biomechanics
- Clinical Results (>5 yrs)
- Fixation & Wear
- Implant Design



REGISTRATION TYPE	BY 10 AUG	11 AUG - 10 SEP	ONSITE
ISTA Member	\$495	\$545	\$610
Non-Member	\$595	\$645	\$710
Resident, Fellow, Student	\$295	\$320	\$385
Accompanying Person	\$295	\$295	\$295

REGISTRATION INCLUDES

- Admission to all scientific presentations
- Admission to Exhibit Hall
- Digital access to all presented abstracts
- Admission to Presidential Welcome Reception Wednesday (10 October) evening
- Breakfast Thursday, Friday and Saturday (11, 12 and 13 October)
- Lunch Thursday and Friday (11 and 12 October)
- Refreshment Breaks Thursday, Friday and Saturday (11, 12 and 13 October)



GALA DINNER

ISTA will host its Annual Gala Reception & Dinner at One Great George Street, an event venue set in a Grade II listed Edwardian building, five minutes' walk from the QE II Centre on the evening of Friday 12 October, 2018. Tickets can be purchased during registration for the Annual Congress.

Abstract submission and congress registration can be completed at istaonline.org



AWARD PAPERS

ISTA awards will be presented to recipients in various categories. Award recipients will be determined in advance of the meeting, with exception to the Young Investigator's awards, which will be judged by attendees at the meeting. The HAP Paul, Biomechanics and Biomaterials in Arthroplasty Award applicants should submit their full manuscript to ISTA by 1 May, 2018. Awards will be presented to winners at the Gala Dinner on Friday 12 October, 2018.

HAP PAUL AWARD

US \$3,000 and Lifetime ISTA Membership

Howard A. "HAP" Paul, DVM, was a tireless researcher advancing the science and technology of arthroplasty. He was one of the charter members of ISTA and a pioneer in the fields of arthroplasty and surgical robotics. A memorial award has been established to honor his outstanding contribution. A special extended presentation will be presented in a plenary session for the best paper on new developments in the field of arthroplasty.

BIOMECHANICS AWARD

US \$1,500

This award will be presented to the best full paper on biomechanics in the field of arthroplasty.

AWARD APPLICATION GUIDELINES

- HAP Paul, Biomechanics and Biomaterials in Arthroplasty Award applicants must submit both their full paper and abstract separately by 1 May, 2018.
- Please prepare full paper according to guidelines provided by the Journal of Arthroplasty (see arthroplastyjournal.org/authorinfo).

BIOMATERIALS IN ARTHROPLASTY AWARD

US \$1,500

This award will be presented to the best full paper on biomaterials in the field of arthroplasty.

YOUNG INVESTIGATOR'S PODIUM AWARD

US \$750

This award will be presented to the best podium presentation by a young investigator, as judged by ISTA attendees.

YOUNG INVESTIGATOR'S E-POSTER AWARD

US \$500

This award will be presented to the best e-poster presentation by a young investigator, as judged by ISTA attendees.



Each year we work hard to bring together a group of speakers from around the world who are leaders in arthroplasty research; they are individuals who define the future developments in this field. Our aim is to provide a balance within the faculty. You will find eminent speakers with significant international reputations and also sharp-thinking researchers who promise to be the big names of the future.

Edouard Auvinet, PhD – *United Kingdom*

Scott Banks, PhD – *USA*

Martin Browne, BSc, PhD,
ProfGradIMMM, MIMechE, CEng – *United Kingdom*

Patricia Campbell, PhD – *USA*

Justin Cobb, MCh, FRCS – *United Kingdom*

Koen De Smet, MD – *Belgium*

Peter Dubruel, PhD – *Belgium*

A. Seth Greenwald, DPhil (Oxon) – *USA*

Bernd Grimm, PhD, MEng – *The Netherlands*

Fares Haddad, BSc, MD(Res), MCh(Orth),
FRCS(Orth), FFSEM – *United Kingdom*

Hani Haider, PhD – *USA*

Joshua Jacobs, MD – *USA*

Jonathan Jeffers, PhD – *United Kingdom*

Philippe Kretzer, PhD – *Germany*

Steven MacDonald, MD, FRCS – *Canada*

Alison McGregor, PhD – *United Kingdom*

Derek McMinn, MD, FRCS – *United Kingdom*

Anne Neville, OBE, FEng, FRS, FRSE –
United Kingdom

Philip Noble, PhD – *USA*

Ebru Oral, PhD – *USA*

Javad Parvizi, MD – *USA*

Susanna Stea, PhD – *Italy*

S. David Stulberg, MD – *USA*

Nobuhiko Sugano, MD, PhD – *Japan*

Gwen Sys, MD, PhD – *Belgium*

Richard van Arkel, PhD – *United Kingdom*

Catherine Van Der Straeten, MD, PhD
– *Belgium*

Nico Verdonschot, PhD – *The Netherlands*

Jan Victor, MD, PhD – *Belgium*

Peter Walker, PhD – *USA*

Bill Walter, M.B.B.S (Syd), FRACS (Orth),
PhD (surgery) – *Australia*

Mark Wilkinson, PhD, FRCS (Tr&Orth) –
United Kingdom

Yixin Zhou, MD, PhD – *China*

Award paper submissions and congress registration can be completed at istaonline.org



International Society for Technology in Arthroplasty



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ABOUT ISTA

Established in 1988, the International Society for Technology in Arthroplasty is dedicated to advancing the art and science of technology in joint replacement by connecting the leading clinicians, engineers, researchers, and industry members from around the globe. Hence, ISTA is not a traditional research society, but works together with industry to develop and implement optimal technologies for patients around the world.

BOARD OF DIRECTORS

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International Society for Technology in Arthroplasty

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