

2^o ANNUAL MEETING OF AIONS

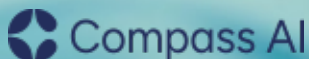
**Artificial Intelligence Organization
of the Next-generation of
Surgeons and COMPASS-AI**
*(Community of Multidisciplinary
Professionals Advancing Safe and
Successful AI implementation in
clinical practice)*

**Consensus MEETING:
GUIDELINES FOR
THE SAFE ADOPTION
OF AI IN SURGERY**

**02
July**

2026

**Les Salons de l'Hôtel
des Arts et Métiers
PARIS | FRANCE**



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faculty



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★ **Umberto Cillo**
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★ **Roland Croner**
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★ **Ibrahim Dagher**
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University of Geneva, Geneva - Switzerland



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★ **Eyad Elyan**
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★ **Francesco Giovinazzo**
Ospedale di Zona San Camillo, Treviso - Italy



★ **Vincent Grasso**
Department of Medical Education and
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★ **Andrew A. Gumbs**
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★ **Takeaki Ishizawa**
Osaka Metropolitan University, Osaka - Japan



★ **Nouredin Messaoudi**
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★ **Mahir Özmen**
Mahir Özmen Clinic - Turkey



★ **Nikdokht Rashidian**
Ghent University Hospital, Ghent - Belgium



★ **Karol Rawicz-Pruszyński**
Medical University of Lublin, Lublin - Poland



★ **Sharona Ross**
Harvard Medical School Boston, Boston - USA



★ **Thomas Schnelldorfer**
Tufts Medical Center, Boston - USA



★ **Gaya Spolverato**
University of Padova, Padova - Italy



★ **Hadrien Tranchart**
Antoine-Béclère Hospital, Clamart - France



★ **Heather Yeo**
Weill Cornell Medicine, New York Presbyterian,
New York - USA

Round Table Discussants: Elisa Bannone, Francesco Celotto, Cristina Ciulli, Maria Conticchio, Denise Hilling, Amina Khalpey, Milos Lalovic, Karol Polom, Francesco Prata

program

09.00-09.10 **Opening Remarks**
Andrew A. Gumbs

09.10-10.30 **SESSION 1** **SURGICAL MULTIOMICS**

Moderators: *Mohammed Abu Hilal, Heather Yeo*

09.10-09.25 **P.A.S.T.O.R. Project** - *U. Cillo*

09.25-09.40 **Surgomics** - *T. Schnelldorfer*

09.40-09.55 **Precision Clinical Communicomics**
V. Grasso

09.55-10.10 **Sarcopeniomics/Frailty omics in the Management of Patients with Gastric Cancer** - *K. Rawicz-Pruszyński*

10.10-10.30 **Coffee Break** ☕

10.30-12.00 **SESSION 2** **ROBOTIC-ASSISTED VISCERAL SURGERY**

Moderators: *Hadrien Tranchart, Roland Croner*

10.30-10.45 **Robotic gastric Cancer Surgery: precision, safety and oncological outcome** - *M. Özmen*

10.45-11.00 **Robotic Pancreatic Surgery** - *S. Ross*

11.00-11.10 **VIDEO: Collaborative Robotic-Assisted Surgery**
J. Derienne

11.10-11.20 **VIDEO: Digitally Enhanced Laparoscopy (3-D Laparoscopy)** - *H. Abdallah*

11.30-12.00

ROUND TABLE: YOUNG SURGEON'S PERSPECTIVE ON THE FUTURE OF AI SURGERY

Elisa Bannone, Francesco Celotto, Cristina Ciulli, Maria Conticchio, Denise Hilling, Amina Khalpey, Milos Lalovic, Karol Polom, Francesco Prata

12.00-13.30 **Lunch** 🍽️

13.30-14.45 **SESSION 3** **THE FUTURE OF SURGERY?**

Moderators: *Nouredin Messaoudi, Karol Rawicz-Pruszyński*

13.30-13.45 **Percutaneous Surgery** - *H. Yeo*

13.45-14.00 **Endoluminal Surgery** - *G. Donatelli*

14.00-14.15 **Non-Invasive Surgery** - *T. Ishizawa*

14.15-14.25 **COBOTIC-ASSISTED SURGERY, what is it?** - *A. A. Gumbs*

14.25-14.35 **The AIRGOS-IMPACT Trial** - *N. Rashidian*

14.35-14.45 **AIDE/OBS study** - *B. De Simone*

14.45-15.00 **Coffee Break** ☕

15.00-17.20 **SESSION 4** **DEFINITIONS, ETHICS, SUSTAINABILITY OF ROBOTIC SURGERY**

Moderator: *Joseph Derienne, Thomas Schnelldorfer*

15.00-15.15 **The Cost-Effectiveness of Robotic-Assisted Liver Surgery**
R. Croner

15.15-15.30 **The Ethical Implications of Robotic and AI Surgery** - *M. Abu-Hilal*

15.30-15.45 **Why France Needs a Formal Robotic Surgery Permit/Certification for New Surgical Trainees** - *J. C. Couffinhal*

15.45-16.00 **Sustainability in Robotic Surgery**
H. Tranchart

16.00-16.15 **Surgical Optomics: light and deep learning towards precision surgery**
M. Diana

16.15-16.30 **Beyond Accuracy: Uncertainty-Aware Surgical AI** - *G. Spolverato*

16.30-17.30 **COMPASS-AI GUIDELINES MEETING** **ROUND TABLE: GUIDELINES FOR THE SAFE ADOPTION OF AI IN SURGERY**

16.20-16.30 **Opening Comments** - *Ibrahim Dagher*
Rapporteur: *Derar Jaradat*

Moderators: *Ibrahim Dagher, Eyad Elyan*

Discussants: *J. C. Couffinhal, B. De Simone, T. Ishizawa, N. Rashidian, E. Chouillard, F. Giovinazzo*

17.30-18.00 **AIONS Governance Meeting**

The rapid integration of artificial intelligence (AI) into surgical care represents a transformative shift in how surgery is planned, executed, and evaluated. As AI-driven tools increasingly influence decision-making, intraoperative performance, and postoperative outcomes, there is a growing need for structured, interdisciplinary dialogue to ensure their responsible, ethical, and effective adoption. **The Artificial Intelligence Organization of the Next-generation Surgeons (AIONS)** was established to address this need by providing a global, collaborative platform dedicated to advancing the judicious integration of AI across the surgical disciplines.

AIONS is a **not-for-profit international society** committed to uniting interventionalists - including surgeons, interventional endoscopists, and radiologists - with computer scientists, engineers, ethicists, and industry partners. By fostering cross-disciplinary collaboration, **AIONS** seeks to shape the future of surgical innovation while prioritizing patient safety, transparency, and equity. The name "**AIONS**" is derived from the Greek concept of eternity and the mythological figure representing cyclical time (Eon), reflecting the organization's long-term vision for sustainable and responsible technological progress. **AIONS** also stands for the **Artificial Intelligence Organization of the Next-generation Surgeons**, underscoring its focus on education, leadership, and innovation for future surgical practice.

The inaugural combined conference of the journal **Artificial Intelligence Surgery** and **AIONS** marked an important milestone in this effort. That meeting centered on a Consensus Conference involving members of the journal's editorial board, with the primary objective of establishing foundational definitions for surgery in the era of artificial intelligence.

Key concepts addressed included surgical robotics, collaborative robotics (cobots), robotic-assisted surgery, surgical autonomy, endoluminal surgery, percutaneous interventions, and non-invasive surgical techniques.

Building upon this foundational work, the **Second Annual AIONS Meeting** expands both in scope and ambition. In addition to continued efforts to refine definitions and conceptual frameworks, this meeting will introduce a dedicated **Guidelines Conference** focused on the **safe, ethical, and evidence-based introduction of AI into surgical practice**.

The objectives of this year's meeting are to develop preliminary consensus-driven guidelines, identify best practices for implementation, and address critical issues related to validation, governance, accountability, and clinician oversight. Through these efforts, **AIONS** aims to serve as a bridge between surgical innovators, academic leaders, and industry stakeholders, ensuring that advances in AI meaningfully and safely improve the care of surgical patients worldwide.

Congress Chairs:

Prof. Andrew Gumbs
Prof. Ibrahim Dagher
Prof. Hadrien Tranchart
Dr. Joseph Derienne

Venue:

Les Salons de l'Hôtel des Arts et Métiers
9 bis, Avenue d'Iéna
75116 Paris | France

Registrations:

Participation in the Conference is free of charge to AIONS members. Advance registration is mandatory and must be completed online at

soluzioniomniamedia.com/#congress

Kindly note that access to the Conference venue cannot be ensured without prior registration.

Official Language:

The official language of the congress is English; no simultaneous translation will be provided.

CME credits:

This conference is not accredited for Continuing Medical Education (CME) credits.

Organizing Secretariat:

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