Department of Urology, San Luigi Gonzaga Hospital
School of Medicine - University of Torino, Orbassano, Torino, Italy

Chairmen:

Francesco Porpiglia
Department of Urology, San Luigi Gonzaga Hospital, School of Medicine, University of Turin, Orbassano, Italy

Jihad H. Kaouk
Director, Center for Robotic and ImageGuided Surgery, Cleveland Clinic, Cleveland, USA

Alex Mottrie
Department of Urology O.L.V. Clinic Aalst, Belgium

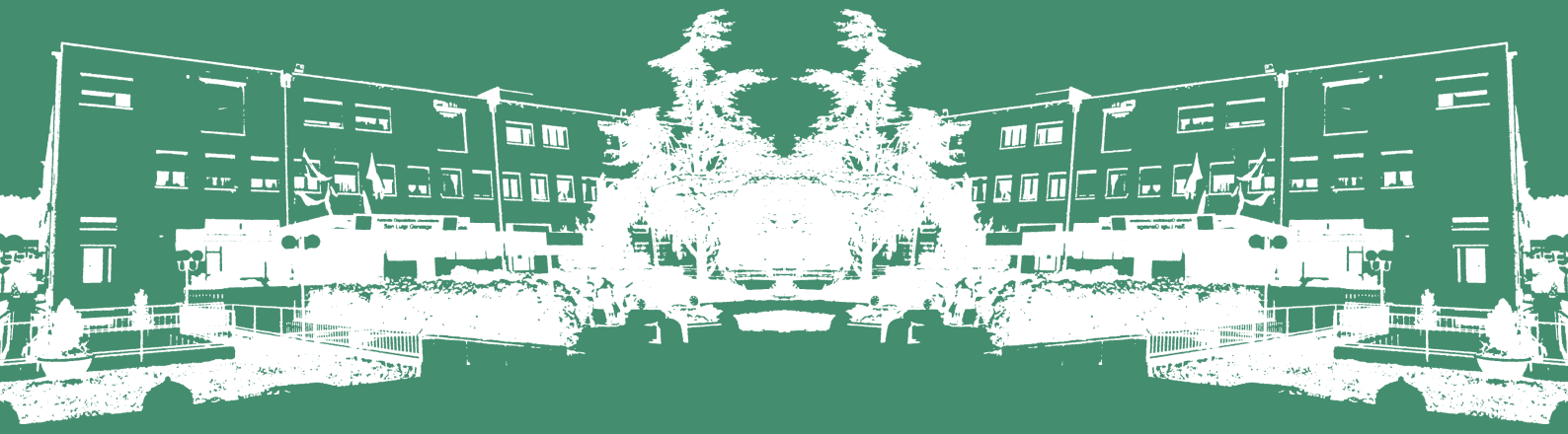
Riccardo Autorino
Department of Urology McGuire VA Medical Center and Virginia Commonwealth University Richmond, VA, USA

9TH INTERNATIONAL TECHNO-UROLOGY MEETING (TUM)

THE ADVENT OF ARTIFICIAL INTELLIGENCE

28th - 29th January 2021

Centro Congressi Lingotto - Aula 500
Turin, Italy



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INTRODUCTION

Dear Friends,

Techno-Urology-Meeting is coming once again with its 9th edition on January 28th and 29th 2021, nevertheless the recent Covid period.

In the past years, including the latest, we have been working to improve and sharpen the technologies for minimally-invasive urologic surgery.

Starting from Hyper-Accuracy 3D reconstructions from standard imaging we explored the fields of augmented reality and mixed reality surgery, with the aim to virtually plan and intraoperatively enhance the real anatomy, maximizing the information for the surgeon performing the intervention. In the past editions of TUM these two technologies, performed in a semi-automatic setting, have been widely investigated and experienced by the surgeons.

The upcoming edition of the meeting will be the stage for presenting live for the first time, our last great innovation, the new augmented reality platform entirely driven by artificial intelligence technology.
Indeed, with the aid given by artificial intelligence in refining precision details of the augmented reality procedures, it is nowadays possible to perform many steps of such image-guided surgery automatically, without needing any hand-assistance.

In this scenario, many Italian and European expert surgeons, have been invited to experience such new technologies during the live surgery sessions from our operative rooms.

At the same time, eminent overseas surgeons have been involved in the meeting with broadcasted surgeries, to show us the technical and technological improvement of their robotic and laparoscopic procedures.

The event will be patronized by prestigious international societies of minimally invasive surgery, in light of the high quality level gained by the techno-urology-meeting over years.

Another new location was also chosen for the meeting; the "Sala 500" at Lingotto Meeting Center in Turin will be set up for the event to guarantee the highest health safety standard for the attendees.

In addition, a dedicated online platform will be available to allow people to follow the event virtually.

We would like to welcome those who have decided to come back after joining us during the previous editions, and those who are new to the TUM.

We look forward to seeing you in Turin!

Kindest regards.

Francesco Porpiglia

Jihad H. Kaouk

Alex Mottrie

Riccardo Autorino

SAN LUIGI HOSPITAL - UROLOGY

The Urology Department in San Luigi Hospital manages all uro-oncology, adrenal disease, urogynaecology, andrology and obstructive pathology including urolithiasis. The most recent and modern technologies are available for diagnosis and treatment of such diseases.

Minimally-invasive surgery and robotic surgery have been developed in the last years, being San Luigi Hospital's Urology Department a pioneer centre for many techniques.

Our Staff is continuously involved and invited to attend the most prestigious International (EAU, ESU, AUA, WCE) and National Meetings (IEA, SiURO, SIU).

Thanks to the intensive scientific activity our experiences are yearly published and accessible in the most famous international peer-reviewed journals.

• *January 28th 2021* •

Day 1

8.00 - 8.30 Welcome
Stefano Geuna (Rector of University of Turin), Roberto Mario Scarpa (President Italian Society of Urology-SIU), Francesco Porpiglia

8.30 - 8.50 Lecture: Artificial Intelligence in urology: from big data to radiomics *G. Balestra*

8.50 - 9.00 - Live cases presentation

9.15 - 13.00 Mixed&Augmented Reality live and broadcasted surgery day1

From O.R.1
3D Mixed&Augmented Reality RARP *Jens Uwe Stolzenburg*
3D Mixed&Augmented Reality RAPN *Alexandre Mottrie*

From O.R.2
3D Mixed&Augmented Reality RAPN *Andrea Minervini*
3D Mixed&Augmented Reality RAPN *Alberto Breda*

From O.R.3
3D Mixed&Augmented Reality RARP *Francesco Porpiglia*

13.00 - 14.00 Lunch

14:00 - 14:15 Lecture: Telemedicine in post-Covid19 era *J. Gomez Rivas*

14.15 - 18.00 Mixed&Augmented Reality live and broadcasted surgery day1

From O.R.1 (Broadcasted)
14.15 – 15.45 RARP *Ashutosh Tewari (ora locale 8.15)*
15.45 – 17.30 RARP *Vipul Patel (ore locale 9.45)*

From O.R.2 (Broadcasted)
14.15 – 16.30 Robotic-assisted totally intracorporeal neobladder *P. Wiklund (ora locale 8.15)*
16.30 – 18.00 RAPN *Ithaar H. Derweesh (ora locale 07.30)*

Lettura IPB *Cristian Fiori*

• *January 29th 2021* •

Day 2

8.15 - 8.30 Welcome and morning report on surgeries from day 1

8.30 - 8.50 Lecture: Artificial Intelligence for the Operative Room 4.0 *Pietro Piazzolla*

8.50 - 9.00 Live cases presentation

9.15 - 13.00 Mixed&Augmented Reality live and broadcasted surgery day2

From O.R.1 (Broadcast)
09.00 - 10.15 RAPN *Homayoun Zargar (ora locale 17.00)*
10.15 - 11.30 RARP REV-I *Rha (ora locale 17.15)*
11.30 - 13.00 TBD surgery *Bo Yang (ora locale 17.30)*

From O.R.2
3D Mixed&Augmented Reality RARP *Prokar. Dasgupta*
3D Mixed&Augmented Reality RAPN *Alessandro Antonelli*

From O.R.3
3D Mixed&Augmented Reality LPN *Francesco Porpiglia*

13.00 - 14.00 Lunch

14.00 - 17.30 Mixed&Augmented Reality live and broadcasted surgery day2

From O.R.1
3D Mixed&Augmented Reality LRN *Evangelos Liatiksos*
3D Mixed&Augmented Reality LPN *M. Ribal*

From O.R.2 (Broadcasted)
14.00 - 15.15 SP RARP *Jihad H. Kaouk (ora locale 8.00)*
15.15 - 16.45 Robotic Transplantation *Surgeon from Richmond VCU*
16.45 - 18.00 TBD (R-RAPN or RPLND) *James Porter (ora locale 07.45)*

SCIENTIFIC SECRETARIAT

Riccardo Autorino
Department of Urology, McGuire VA Medical Center and Virginia Commonwealth University, Richmond, VA, USA

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ORGANIZING COMMITTEE FOR LIVE SURGERY

Staff of the hosting Department of Urology San Luigi Gonzaga Hospital, School of Medicine, University of Turin, Orbassano, Italy

Daniele Amparore

Marco Cossu

Stefano De Luca

Cristian Fiori

Diletta Garrou

Matteo Manfredi

Ivano Morra

Massimiliano Poggio

Francesco Porpiglia

Francesca Ragni

CONGRESS VENUE

Centro Congressi Lingotto - Aula 500
Via Nizza, 280
10126 Turin, Italy

Live Surgery will be performed at San Luigi Gonzaga Hospital and Candiolo Hospital.

MEETING PLANNER

FEDRA Congressi
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Viale dei SS. Pietro e Paolo, 21
00144 Rome, Italy
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Fax +39 06 5205625
info@fedracongressi.com
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TRAVEL INFORMATION

For travel and hotel information please contact the Organising Secretariat.

OFFICIAL LANGUAGE

The official language of the Congress is English.

EXHIBITION AREA

The Exhibition Area will be available in the foyer of the congress venue.

REGISTRATION FEE

Delegates:
Before September 30th, 2020: €.350,00
Between September 30th, 2020 and December 15th, 2020: €. 400,00
After December 15th, 2020: €. 500,00

Trainee /Residents:
Before September 30th, 2020: €.100,00
Between September 30th, 2020 and December 15th, 2020: €.150,00
After December 15th, 2020: €.200,00

WEBSITE

Visit our website at:
www.technourologymeeting.com

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Meetings & Events

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