



San Luigi Gonzaga Hospital, Orbassano, Torino, Italy
Candiolo Cancer Institute - IRCCS, Candiolo, Torino, Italy
Department of Oncology - University of Turin, Orbassano, Turin, Italy

Chairmen:

Francesco Porpiglia

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

Jihad H. Kaouk

Center for Robotic and Image-guided Surgery, Cleveland Clinic, Cleveland, OH, USA

Alex Mottrie

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

Riccardo Autorino

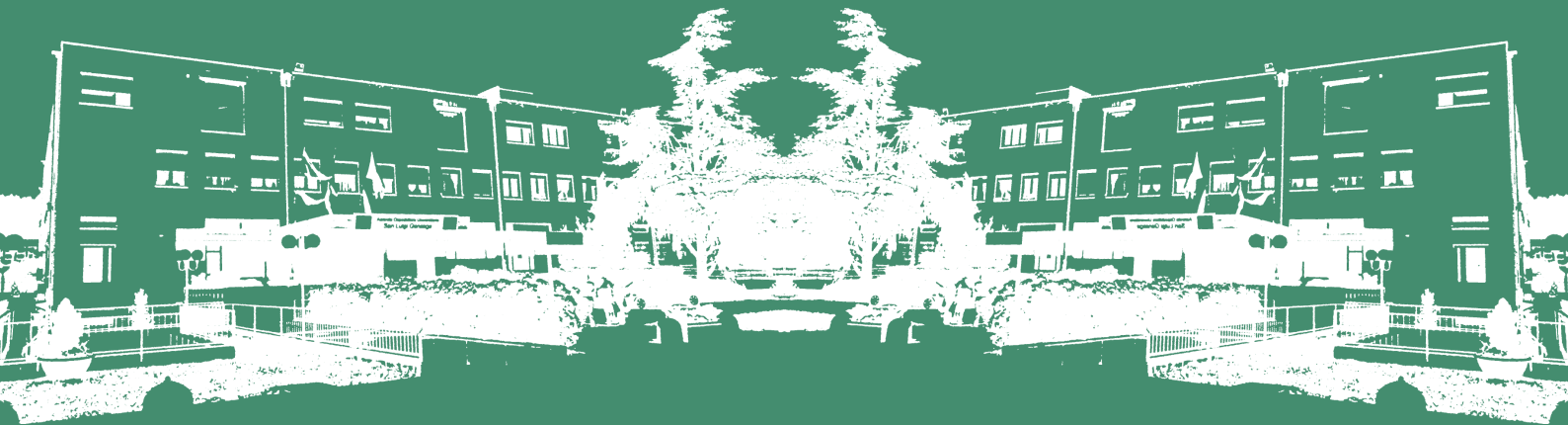
Division of Urology, VCU Health, Richmond, VA, USA



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,

TUM is once again approaching, on January 28-29th 2021, with its 9th edition, despite the recent COVID pandemic, which very much impacted our personal and work life.

Over the past few years, 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 will be involved in the meeting with broadcasted surgeries, to show their latest improvements of different robotic and laparoscopic procedures.

The event will be under the auspices of the most prestigious international societies of minimally invasive surgery, in light of the high quality level gained by the TUM over the years.

Another new location was also chosen for the meeting; the "Sala 500" at Lingotto Meeting Center in Turin will be set 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

HONORARY CONGRESS PRESIDENT

Dario Fontana

Professor of Urology
University of Turin, Italy

Roberto Mario Scarpa

Campus Biomedico
University Hospital
Rome, Italy

INVITED SURGEONS



Alessandro Antonelli

Chairman, Department of Urology
A.O.U.I. Verona University, Italy



Prokar Dasgupta

Professor and Chair of Urology at
King's College London,
Guy's Hospital, King's Health Partners
London, UK



Riccardo Autorino

Director of Urologic Oncology
Division of Urology Virginia
Commonwealth University
Richmond, VA, USA



Ithaar H. Derweesh

Professor of Urology and Radiology
Program Director, Urologic Oncology
Fellowship UC San Diego School
of Medicine, San Diego, USA



Alberto Breda

Chief of the Uro-Oncology Division
and Director of the Kidney Transplant
Unit Fundació Puigvert
Barcelona, Spain



Lance J. Hampton

Chairman of Urology
Director of Robotic Surgery
Virginia Commonwealth University
Richmond, VA, USA



INVITED SURGEONS



Jihad H. Kaouk

Director, Center for Robotic and Image Guided Surgery Cleveland Clinic
Cleveland, USA



Vito Pansadoro

Director of the Laparoscopy Center
Vincenzo Pansadoro Foundation
Rome, Italy



Aly Abdel Karim

Professor of Urology,
Alexandria University, Egypt



Vipul Patel

Medical Director of Urologic
Oncology, Florida Hospital
Medical Director of Global Robotics
Institute
Associate Professor of Urology,
University of Central Florida
Florida, USA



Evangelos Liatsikos

Professor of Urology and Head of
the Endourology and Laparoscopic
Unit at the University of Patras
Patras, Greece



Francesco Porpiglia

Professor and Chairman Department
of Urology S. Luigi Hospital, Orbassano
University of Turin
Turin, Italy



Wang Linhui

Professor of Urology
Shanghai Changzheng Hospital
China



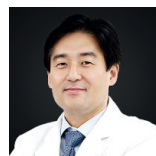
James Porter

Director, Robotic Surgery
Swedish Medical Center
Seattle, Washington, USA



Andrea Minervini

Department of Urology
Careggi University Hospital,
Florence, Italy



Koon Ho Rha

Assistant Professor of Urology and
Robotic and Minimally Invasive
Surgery Center, Yonsei University
Seoul, South Korea



Alex Mottrie

Department of Urology Orsi Academy
and OLV Clinic, Aalst, Belgium



Maria Ribal

Head of the Uro-Oncology Unit
Hospital Clinic
University of Barcelona, Spain



INVITED SURGEONS



Jens-Uwe Stolzenburg
Director of Department of Urology
Chairman of International Urological
Training Centre of Laparoscopy
and Robotic-assisted Surgery,
University of Leipzig
Leipzig, Germany



Ashutosh Tewari
Professor of Urology
The Mount Sinai Hospital
New York, USA



Peter Wiklund
Professor of Urology Department
of Urology Karolinska University
Hospital
Stockholm, Sweden



Bo Yang
Director Kidney cancer program
Department of Urology
Changhai Hospital
Shanghai, China



Homayoun Zargar
Department of Urology
Royal Melbourne Hospital
Melbourne, Australia



Wu Zhenije
Associate Professor of Urology
Shanghai Changzheng Hospital
China





DIVISION OF UROLOGY - DEPARTMENT OF ONCOLOGY UNIVERSITY OF TURIN

The Department of Oncology at University of Turin, is composed by professionals, from preclinical to translational research and clinic assistance for oncological diseases. It is sited in San Luigi Hospital and IRCC Candiolo Institute.

The Urology team, that takes part into the Department of Oncology, manages all uro-oncological and all others genito-urinary diseases. The most recent and modern technologies are available for diagnosis and treatment of such of them.

Robotic and laparoscopic surgery have been developed in the last years, being San Luigi Hospital's Urology Division a pioneer Centre for many techniques, especially in the setting of translational surgery.

Together with the clinical activity, also the teaching activity has a primary role, being our Department the Center for the Urology Residency Program.

Our Staff is continuously involved and invited to attend the most prestigious International and National Meetings.

Our intensive scientific and research activity is widely recognized as demonstrated by the publications 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

RNU (PRESS technique) Wu Zhenije - Broadcasted from China (local time 5.30 pm) 

LPN Wang Linhui - Broadcasted from China (local time 5.30 pm) 

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

14.15 - 15.45 RARP Ashutosh Tewari - Broadcasted from US (local time 8.15 am) 

15.45 - 17.30 RARP Vipul Patel - Broadcasted from US (local time 9.45 am) 

From O.R.2

14.15 - 16.30 Robotic-assisted totally intracorporeal neobladder Peter Wiklund 

16.30 - 18.00 RAPN Ithaar H. Derweesh - Broadcasted from US (local time 7.30 am) 

BPH Lecture 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

09.00 - 10.15 RAPN Homayoun Zargar - Broadcasted from Australia (local time 5.00 pm) 

10.15 - 11.30 RARP REV-I Koon Rha - Broadcasted from Korea (local time 5.15 pm) 

11.30 - 13.00 RAPN surgery Bo Yang - Broadcasted from China (local time 5.30 pm) 

From O.R.2

09.00 - 11.00 3D Mixed&Augmented Reality RARP Prokar. Dasgupta

11.00 - 13.00 3D Mixed&Augmented Reality RAPN Alessandro Antonelli

From O.R.3

09.00 - 11.00 3D Mixed&Augmented Reality RAPN Francesco Porpiglia

10:30 - 11.30 LPN Aly Abdel Karim - Broadcasted from Egypt (local time 10.30 am) 

11.00 - 13.00 Robotic Urethral sparing adenomectomy Vito Pansadoro

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 Liatsikos

3D Mixed&Augmented Reality LPN Maria Ribal

From O.R.2

14.00 - 15.15 SP RARP (Semilive) Jihad H. Kaouk - Broadcasted from US (local time 8.00 am) 

15.15 - 16.45 Robotic Partial Nephrectomy Lance Hampton - Broadcasted from US (local time 9.15 am) 

16.45 - 18.00 R-RAPN or RPLND James Porter - Broadcasted from US (local time 7.45 am) 

SCIENTIFIC SECRETARIAT

Riccardo Autorino

Division of Urology, Virginia Commonwealth University, Richmond, VA, USA

Cristian Fiori

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Turin, Orbassano, Italy*

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

Web Delegates:

Before September 30th, 2020: € 270,00
Between September 30th, 2020 and December 15th, 2020: € 320,00
After December 15th, 2020: € 420,00

Web Trainee/Residents:

Before September 30th, 2020: € 50,00
Between September 30th, 2020 and December 15th, 2020: € 100,00
After December 15th, 2020: € 150,00

WEBSITE

Visit our website at:
www.technourologymeeting.com



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