



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

Chairmen of the Meeting:

Francesco Porpiglia

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

**NEW DATES AND
CONGRESS VENUE**

10TH INTERNATIONAL TECHNO-UROLOGY MEETING (TUM) BEYOND AUGMENTED REALITY SURGERY

28th - 29th April 2022

**Aula Convegni S. Luigi Gonzaga Hospital
Orbassano, Turin, Italy**



Requested patronage of:



Young Urologists Office

Young Academic Urologists



INTRODUCTION

Dear Friends,

After a decade, TUM is nowadays ready to celebrate its 10th edition, on April 2022.

In the last ten years, we worked to improve and sharpen the technologies for laparoscopic and robotic urologic surgery.

Starting from vision of 3D guided surgeries, 4K vision and highly technological transmission system, we tried to offer the participants the most immersive experience possible since from the first editions of our meeting.

Then, thanks to the study of 3D virtual models of the organs derived from standard imaging, we explored many fields, from augmented reality to mixed reality surgery, with the aim to improve planning and intraoperative guidance following the information given by virtual models on the real anatomy, maximizing the surgeon awareness in performing the interventions.

These technologies have been performed first in a semi-automatic setting, and then with augmented reality platforms 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 "super-vision" guided surgery automatically, without needing any hand-assistance.

At last, due to the pandemic, we developed a dedicated platform to allow the participants all over the world to attend our technological event, implementing the broadcasted surgeries and exploring also the field of tele-mentoring application of 3D virtual guidance with remote control.

In this tenth year, the surgeons who joined us in the past, will be invited to test once again the newest innovations of the last two years, implemented and enriched in the last months, refined in details and usability, in order to test their duplicability and application.

From augmented reality and 3D virtual models perfected as well as the implementation of artificial intelligence we hope to make other steps further the "micro-surgery and automatic image-guidance warning systems.

I'm sure that this special edition of TUM, will be a great success for both the great number of surgical innovative technologies presented as well as for the prestigious faculty of surgeons coming from all over the world.

Hoping that the attendees will enjoy our ambitious program.

I welcome all of you to Turin for this 10th edition of TUM!

Kindest regards.



Francesco Porpiglia



Alberto Breda



Alex Motttrie



Riccardo Autorino



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.

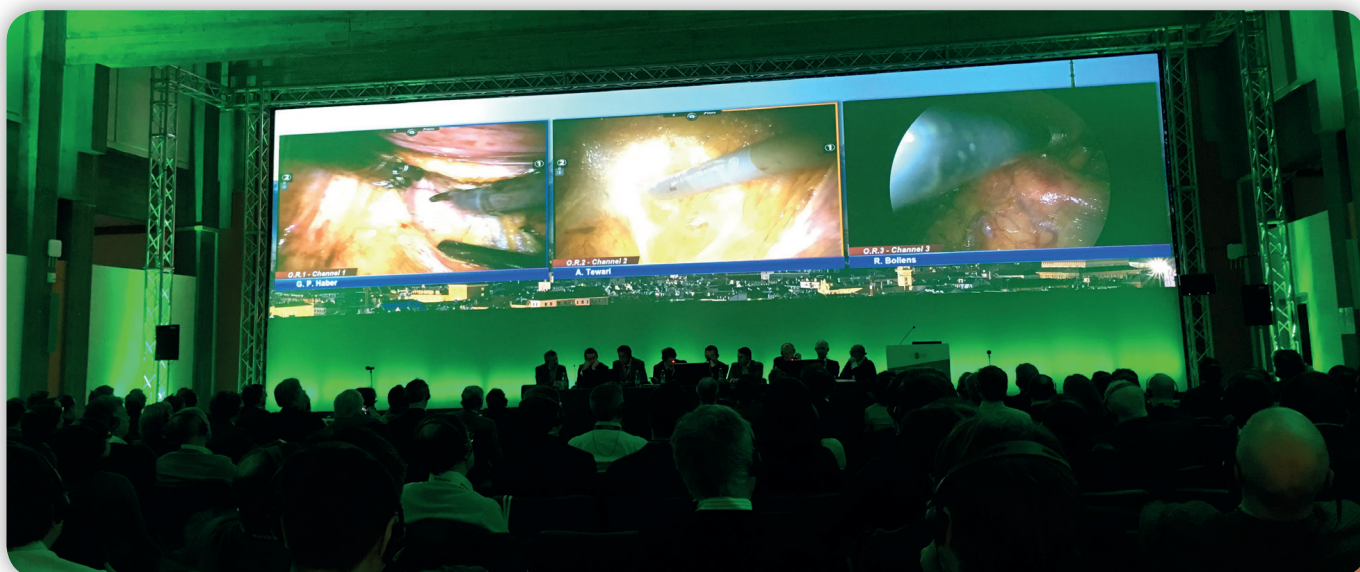
Our Staff is continuously involved and invited to attend the most prestigious International and National Meetings.

Our intensive scientific and research activity is widely recognized as demonstrated by the publications in the most famous international peer-reviewed journals.

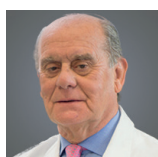


CONGRESS VENUE

Aula Convegni S. Luigi Gonzaga Hospital



HONORARY CONGRESS PRESIDENT



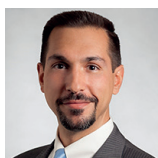
Dario Fontana
Professor of Urology
Turin, Italy



Roberto Mario Scarpa
Professor of Urology
Campus Biomedico
University Hospital
Rome, Italy



INVITED SURGEONS



Ronney Abaza
Central Ohio Urology Group
LLC, USA



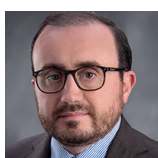
Renaud Bollens
Groupe Hospitalier de l'Institut
Catholique de Lille, France
Centre Hospitalier de Wallonie
Picarde, Tournai, Belgium



Alessandro Antonelli
Department of Surgery, Dentistry
Paediatrics and Gynaecology
Confortini Hospital, Borgo Trento
Verona, Italy



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



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



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



INVITED SURGEONS



Lance J. Hampton

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



James Porter

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



Antonio Galfano

Department of Urology
Niguarda Hospital
Milan, Italy



Maria Ribal

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



Ahmed Ghazi

Department of Urology
Strong Memorial Hospital
Highland Hospital Of Rochester
and Unity Hospital, NY, USA



Bernardo Rocco

Department of Urology
ASST Santi Paolo e Carlo
Milan, Italy



Evangelos Liatsikos

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



Jens-Uwe Stolzenburg

Department of Urology and
Robotic-assisted Surgery
University of Leipzig, Germany



Andrea Minervini

Department of Urology
Careggi University Hospital,
Florence, Italy



Carlo Terrone

Chief Department of Urology
San Martino Hospital
Genova, Italy



Alex Motttrie

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



Ashutosh Tewari

Professor of Urology
The Mount Sinai Hospital
New York, USA



Joan Palou

Chairman of Urology
Dep. Urological Oncology
Fundació Puigvert,
Barcelona, Spain



Peter Wiklund

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



Vipul Patel

Medical Director, AdventHealth
Global Robotics Institute
Medical Director, AdventHealth
Urologic Oncology Program
Professor of Urology, University of
Central Florida, USA



Francesco Porgiglia

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



INVITED SPEAKERS & MODERATORS

Daniele Amparore

Department of Urology
Istituto di Candiolo IRCCS
Turin, Italy

**Mario Falsaperla**

Department of Urology
ARNAS Garibaldi Nesima Hospital
Catania, Italy

**Nicolò Maria Buffi**

Department of Urology,
Humanitas Research Hospital,
Rozzano, Milan, Italy

**Vincenzo Ficarra**

Department of Urology
University of Messina
Messina, Italy

**Giuseppe Carrieri**

Department of Urology
Ospedali Riuniti, University
Medical School, Foggia, Italy

**Alessandro Larcher**

Department of Urology
San Raffaele Turro Hospital
Milan, Italy

**Riccardo Campi**

Department of Urology
Careggi University Hospital
Florence, Italy

**Giovanni Lughezzani**

Urology Department
Humanitas Research Hospital
Rozzano, Italy

**Fabrizio Dal Moro**

Department of Urology
University of Padova, Italy

**Salvatore Micali**

Professor of Urology
University of Modena and
Reggio Emilia, Italy

**Cosimo De Nunzio**

Department of Urology
Sant'Andrea Hospital
Rome, Italy

**Vito Pansadoro**

Laparoscopy Center
Vincenzo Pansadoro Foundation
Rome, Italy

**Michele Di Dio**

Department of Urology
SS. Annunziata Hospital
Cosenza, Italy

**Sisto Perdonà**

Department of Oncologic Urologic
Surgery At The I.R.C.C.S.
"Fondazione G. Pascale"
Naples, Italy

**Francesco Esperto**

Campus Biomedico
University Hospital
Rome, Italy

**Stefano Puliatti**

Department of Urology
University of Modena and Reggio Emilia
Reggio Emilia, Italy



Abhay Rane

Clinical Lead For Urology Surrey
And Sussex Nhs Trust
Redhill, UK

**Giorgio Ivan Russo**

Urology Clinic
University of Catania, Italy

**Riccardo Schiavina**

Department of Urology at
Sant'Orsola Malpighi Hospital
University of Bologna, Italy

**Luigi Schips**

Department of Urology
Vasto and Lanciano Hospital
Chieti, Italy

**Silvia Secco**

Department of Urology
Hospital Niguarda
Milan, Italy

**Nazareno Suardi**

Associate Professor of Urology,
University of Brescia, Italy

























**Alessandro Volpe**

Urology Unit, University of
Piemonte Orientale
Novara, Italy















PROGRAM

• April 28th 2022 •

	SCREEN #1	SCREEN #2
8.00 - 8.30	Welcome and Opening - Francesco Porpiglia, Giorgio Vittorio Scagliotti, Roberto Mario Scarpa	
Moderator	Nicolò Buffi Francesco Esperto	Alessandro Volpe Riccardo Schiavina
8.30 - 10.00	RAPN with 3D rainbow model guidance Alberto Breda  	ICON 3D guided Laparoscopic Partial Nephrectomy Maria Ribal  
10.00 - 11.30	Robot-assisted Radical Prostatectomy (Broadcasted from Germany) Jens Uwe Stolzenburg  	Challenge Robotic Partial Nephrectomy Alex Motttrie  
Moderator	Salvatore Micali Sisto Perdonà	Bernardo Rocco Cosimo De Nunzio
11.30 - 13.00	RAPN with 3D rainbow guidance Andrea Minervini  	Laparoscopic Pudendal nerve release Renaud Bollens  
13.00 - 14.00	Lunch Break	
14.00 - 15.30	Robot-assisted Partial Nephrectomy Lance Hampton  	ICON 3D guided Laparoscopic Partial Nephrectomy Francesco Porpiglia  
Moderator	Abhay Rane Giuseppe Carrieri	Vincenzo Ficarra Stefano Puliatti
15.30 - 17.00	RARP with Artificial Intelligence Alert System Francesco Porpiglia  	Single-Site radical cystectomy with ileal neobladder Peter Wiklund  
17.00 - 18.30	Retroperitoneal Robot-assisted Partial Nephrectomy/Lymph node dissection James Porter  	Artificial Intelligence Augmented Reality RARP Joan Palou  

PROGRAM

• April 29th 2022 •

	SCREEN #1	SCREEN #2
Moderator	Abhay Rane Luigi Schips	Michele Di Dio Giorgio Ivan Russo
8.30 - 10.00	ICON 3D guided Laparoscopic Radical Nephrectomy Evangelos Liatsikos 	Artificial Intelligence Augmented Reality RARP Carlo Terrone 
10.00 - 11.30	RAPN with 3D rainbow guidance Alessandro Antonelli 	Robotic prostatectomy with Intraoperative digital evaluation of surgical margins Bernardo Rocco 
Moderator	Riccardo Campi Fabrizio Dal Moro	Giovanni Lughezzani Vito Pansadoro
11.30 - 13.00	Artificial Intelligence Augmented Reality RARP Prokar Dasgupta 	Retzius Sparing Robot-assisted Radical Prostatectomy Antonio Galfano 
13.00 - 14.00	Lunch Break	
14.00 - 15.30	3D virtual model guided Augmented Reality RAPN Francesco Porpiglia 	IRIS Augmented Reality Robot-assisted Partial Nephrectomy Ahmed Ghazi 
Moderator	Silvia Secco Nazareno Suardi	Mario Falsaperla Alessandro Larcher
15.30 - 17.00	Robot-assisted Radical Prostatectomy Ashutosh Tewari 	ICON 3D guided Laparoscopic Partial Nephrectomy Renaud Bollens 
17.00 - 18.30	RAPN with 3D rainbow model guidance Riccardo Autorino 	Robotic external renal vein stenting in nutcracker syndrome Ronney Abaza 
18.30 - 19.00	Lecture Luts and chronic in BPH: an update Daniele Amparore	
19.00	ECM Test (For Italian Delegates only)	

SCIENTIFIC SECRETARIAT

Daniele Amparore

Department of Urology Istituto di Candiolo IRCCS, Turin, Italy

Riccardo Autorino

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

Alberto Breda

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

Enrico Checcucci

Department of Urology Istituto di Candiolo IRCCS, Turin, Italy

Cristian Fiori

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

Alex Mottre

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

Francesco Porpiglia

Department of Urology, San Luigi Gonzaga Hospital, School of Medicine, University of 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

Paolo Alessio

Daniele Amparore

Giovanni Cattaneo

Enrico Checcucci

Marco Cossu

Stefano De Luca

Cristian Fiori

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Massimiliano Poggio

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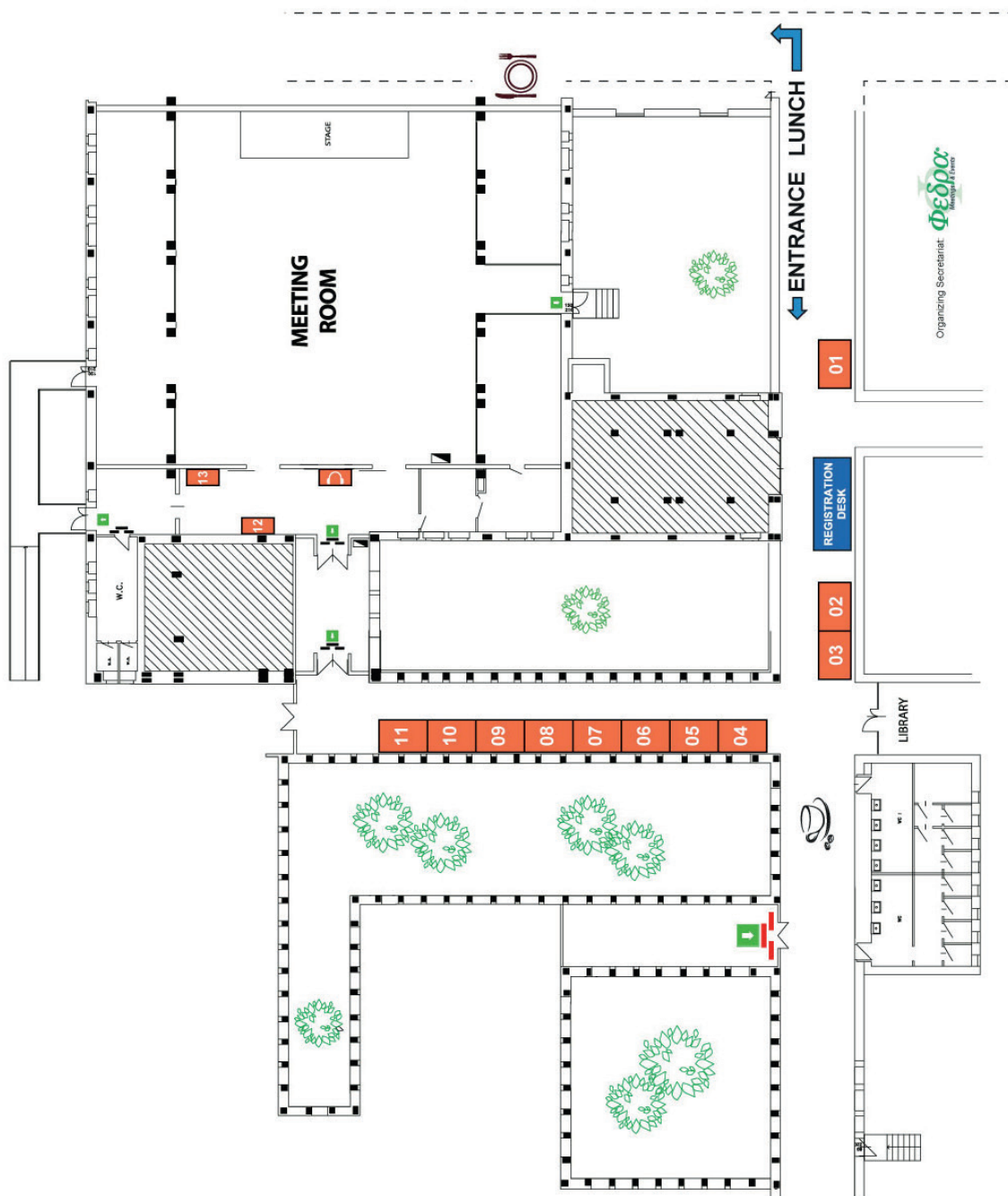
SUPPORTERS



Thanks to CONMED for supporting Professor Abaza's live surgery.



EXHIBITION FLOOR PLAN



Area espositiva
mt 3,00x2,00

Area espositiva
mt 2,00x1,00

CONGRESS VENUE

Aula Convegni - S. Luigi Gonzaga Hospital
Regione Gonzole, 10
10043 - Orbassano, Turin, Italy



MEETING PLANNER



FEDRA Congressi

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info@fedracongressi.com
www.fedracongressi.com

OFFICIAL LANGUAGE

The official language of the Congress is English.

REGISTRATION FEE

Delegates:

Between October 1th, 2021 and December 17th, 2021	€. 450,00
After December 17th, 2021	€. 550,00

Web Delegates:

Between October 1th, 2021 and December 17th, 2021	€. 350,00
After December 17th, 2021	€. 420,00

Trainee/Residents:

Between October 1th, 2021 and December 17th, 2021	€. 150,00
After December 17th, 2021	€. 250,00

Web Trainee/Residents:

Between October 1th, 2021 and December 17th, 2021	€. 100,00
After December 17th, 2021	€. 200,00

The registration fee includes scientific program, lunches, and coffee breaks during the event.

ITALIAN ECM ACCREDITATION

The 10TH INTERNATIONAL TECHNO-UROLOGY MEETING has been accredited by the Italian Ministry of Health.

The Italian Ministry of Health assigned n. 18 ECM Credits.

The Congress has been accredited for the following specialties:

- Oncology
- Radiotherapy
- Urology
- Pathological anatomy
- Radiodiagnostics

In order to receive Italian credits participants must attend 90% of the event and pass the final test.

WEBSITE

Visit our website at:

www.technourologymeeting.com

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