Thursday, 10. Oct

**08:30 - 10:00**
Willhelm Maybach Saal B

Session

Session 2: Soft-tissue navigation

Moderation

* [M. Ritter, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64884)
* [O. J. Elle, Norway](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60373)

**08:30**

Navigating in soft tissue – unique challenges and opportunities (update on the HiPerNav project)

* [O. J. Elle, Norway](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60373)

**08:40**

New tracking modalities for access to the renal collecting system

* [M. Ritter, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64884)

**08:50**

Effectiveness of US-guided navigation during radiotherapy using a robotic arm

* [Peter Seitz, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/67385)

**08:30 - 10:00**
Wilhelm Maybach Saal A

Session

Session 1: News for endoscopy and laparoscopy

Moderation

* [Georg Kaehler, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60425)
* [Silvana Peretta (invited), France](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60424)
* [Ali Goezen, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60788)

**08:30**

New robotic systems for endoscopy

* [Silvana Peretta (invited), France](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60424)

**08:40**

Clinical evaluation of transgastric surgery (NOTES)

* [Georg Kaehler, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60425)

**08:50**

Road Ahead for Endoluminal Therapy in the Digestive Tract

* [Alberto Arezzo, Italy](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60420)

**09:00**

"Endorectal surgical repair for intractable vesicorectal fistula developing after radical prostatectomy"

* [Eiji Kanehira, Japan](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60483)

**09:10**

New technology for 3D-Laparoscopy and Endoscopy

* [Ali Goezen, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60788)

**09:20**

Single port robot assisted radical prostatectomy

* [Franco Gaboardi, Italy](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60815)

**09:30**

Standardization of laparoscopic access trauma

* [Giovanni Alberto Pini, Italy](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60817)

**08:30 - 10:00**
Seminarraum

Session

Session 3: Start up – how to do

Moderation

* [Amir Szold, Israel](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60805)
* [Marc Schurr, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60444)
* [Thomas Villinger, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/61869)

**08:30**

Introduction

* [Thomas Villinger, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/61869)

**08:40**

The role of Zukunftsfond and B2Grow

* [M. Böhringer, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64757)

**08:50**

CampusFounder – a new platform for start-ups

* [Oliver Hanisch, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64758)

**09:00**

Physician-entrepreneur: A journey between your day job and your dream

* [Amir Szold, Israel](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60805)

**09:10**

What’s in it for you?

**08:30 - 10:00**
Foyer

Poster

Poster 1

**10:00 - 10:15**
Wilhelm Maybach Saal A, Willhelm Maybach Saal B, Seminarraum, Foyer

Allgemeines

Coffee Break

**10:15 - 11:15**
Wilhelm Maybach Saal A

Session

Opening

**10:15**

Official Opening of the Meeting

* [Jens Rassweiler, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/55827)

**10:25**

Welcome of the Co-president

* [Lena Maier-Hein, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/59932)

**10:35**

Welcome of the CEO of SLK Kliniken Heilbronn

* [Thomas Jendges, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64701)

**10:45**

Welcome of the Deputy Prime Minister of Baden-Württemberg, Minister of Interior, Digitisation and Migration

* [Thomas Strobl, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64652)

**10:55**

Gerhard Buess lecture: Synthetic models with senses: the modular Manikin

* [Robert M Sweet, United States](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60369)

**11:05**

Bringing robotics and machine learning to clinical practice

* [T. Wendler, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64870)

**10:30 - 12:00**
Theodor Heuss Saal

Allgemeines

Hot- Lap /Endo / E-BLUS with P.O.P.-trainer

**11:15 - 12:45**
Seminarraum

Session

Session 6: Bio-inspired medical devices

Moderation

* [Harald Fischer, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60396)
* [Don Martin, France](https://smit2019.smart-abstract.com/sessionplanner/#/persons/61858)

**11:15**

Challenges for the implantation of symbiotic implantable medical devices

* [Don Martin, France](https://smit2019.smart-abstract.com/sessionplanner/#/persons/61858)

**11:25**

Swallowable pill for new diagnostic purposes

* [Thomas Soranzo, France](https://smit2019.smart-abstract.com/sessionplanner/#/persons/61860)

**11:35**

New therapy system for the duodenum

* [Jean-Pierre Alcaraz, France](https://smit2019.smart-abstract.com/sessionplanner/#/persons/61862)

**11:45**

Soft and tunable stiffness technologies for medical devices

* [Arianna Menciassi (invited), Italy](https://smit2019.smart-abstract.com/sessionplanner/#/persons/61864)

**11:55**

Resorbable Zink-stent, first results from animal trials

* [Ernst Nennig, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/61867)

**12:05**

3D catheter intervention during magnetic resonance imaging (MRI)

* [C. Hehrlein (invited), Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/67590)

**11:15 - 12:45**
Willhelm Maybach Saal B

Session

Session 5: Intraoperative (3D)-navigation for interventional radiology and percutaneous technique

Moderation

* [Götz Martin Richter, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60385)
* [Joachim Kettenbach, Austria](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60387)
* [Philippe Pereira, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60391)

**11:15**

Navigated percutaneous access to the kidney

* [Marie-Claire Rassweiler, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60438)

**11:25**

Optimized Trajectories for Dose Reduction in Interventional CBCT Imaging“

* [Gernot Kronreif, Austria](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60406)

**11:35**

Beyond morphology: the rise of hybrid imaging in everyday clinical practice

* [Clemens Cyran, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60427)

**11:45**

Stereotactic concept of tumor ablation

* [Reto Bale, Austria](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60803)

**11:55**

Advantages of MR guidance for percutaneous therapies of NCC

* [Philippe Pereira, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60391)

**12:05**

Virtual reality in planning and performing repair of aortic dissections and aneurysms

* [Götz Martin Richter, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60385)

**12:15**

Perspectives in interventional radiology: will robot do our work in the future?

* [Joachim Kettenbach, Austria](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60387)

**11:15 - 12:45**
Wilhelm Maybach Saal A

Session

Session 4: Artificial intelligence and surgery

Moderation

* [Konrad Karcz, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60375)
* [Egbert Hagmüller, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/66551)

**11:15**

Artificial intelligence in radiology - the game changer

* [Clemens Cyran, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60427)

**11:25**

Aspects of Algorithms and Machine Learning in Orthopedic Surgery

* [W. Böcker (invited), Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/66552)

**11:35**

Pathology, Surgery and Artificial Intelligence

* [Lika Svanadze (invited), Lithuania](https://smit2019.smart-abstract.com/sessionplanner/#/persons/68049)

**11:45**

Anesthesia Artificial-Cyber Controlling by Affiliation Pre- and Post-Operative Care

* [L. Hinske, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/66554)

**11:55**

Cyber-Physical Systems for the Operation Tasks and Complication Detection

* [H. Feussner (invited), Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/66569)

**12:05**

Automatic Content Analysis in Laparoscopic Surgery

* [A. Leibetseder, Austria](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64982)

**12:15**

Surgical Documentation – the Digital Wind of Change

* [Alexander Frank, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/66571)

**12:25**

RECUR (BMBF) – creation of a national registry for Urolithiasis – MIRACUM initiative of German Medical Informatics

* [Martin Schönthaler, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/65349)

**11:15 - 12:45**
Foyer

Poster

Poster 2

**12:45 - 13:45**
Wilhelm Maybach Saal A, Foyer

Allgemeines

Lunch

**12:45 - 13:45**
Willhelm Maybach Saal B

Allgemeines

Lunchsymposium: Gelitamedical
Experiences with Innovative Non-Woven Gelatin based Hemostat in multi-disciplinary surgical applications

**12:45 - 13:45**
Seminarraum

Allgemeines

SMIT-Board Meeting (SC)

**13:45 - 15:15**
Wilhelm Maybach Saal A

Session

Session 7: Surgical Data Science

Moderation

* [Lena Maier-Hein, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/59932)
* [H.-P. Meinzer, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/67591)

**13:45**

What is surgical data science?

* [Lena Maier-Hein, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/59932)

**13:55**

Modelling the surgical knowledge for computer-assisted preoperative planning

* [Caroline Essert, France](https://smit2019.smart-abstract.com/sessionplanner/#/persons/61873)

**14:10**

Navigation with Enhanced Surgical Vision for Robot-Assisted Operations

* [Stamatia Giannarou, United Kingdom](https://smit2019.smart-abstract.com/sessionplanner/#/persons/61871)

**14:25**

Surgical data science for training

* [Anand Malpani, United States](https://smit2019.smart-abstract.com/sessionplanner/#/persons/59924)

**13:45 - 15:15**
Seminarraum

Session

Session 9: Medical Device Design

Moderation

* [Jenny Dankelmann, Netherlands](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60377)
* [Pierre Renaud, France](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64871)

**13:45**

The ForceSenseNG for training of advanced laparoscopic surgery with steerable instruments

* [Tim Horemann, Netherlands](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60475)

**13:55**

Workflow studies / OR processess

* [Maryam Gholinejad, Netherlands](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60810)

**14:05**

Steerable needles und 3D printing of medical devices

* [Nick van de Berg, Netherlands](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60478)

**14:15**

Steerable percutaneous devices

* [John J. van den Dobbelsteen, Netherlands](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60422)

**14:25**

Articulating devices

* [Tim Horemann, Netherlands](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60475)

**14:35**

Creating robots for image-guided interventions

* [Pierre Renaud, France](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64871)

**13:45 - 15:15**
Willhelm Maybach Saal B

Session

Session 8: Image guided therapies and navigation

Moderation

* [Thomas Lango, Norway](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60392)
* [Pádraig Cantillon-Murphy , Ireland](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60390)

**13:45**

Image guided therapies and technologies for airway disease

* [Thomas Lango, Norway](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60392)

**13:55**

Ultrasound navigation for percutaneous interventions

* [Alexander Seitel, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60434)

**14:05**

Advances in electromagnetic tracking for navigation

* [Pádraig Cantillon-Murphy , Ireland](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60390)

**14:15**

Multi-modal imaging for image-guided therapy

* [T. Ruers, Netherlands](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60436)

**14:25**

Open source platform and deep learning tools for ultrasound guided procedures

* [Gabor Fichtinger, Canada](https://smit2019.smart-abstract.com/sessionplanner/#/persons/67815)

**13:45 - 15:15**
Foyer

Poster

Poster 3

**14:30 - 16:00**
Theodor Heuss Saal

Allgemeines

Hot- Lap /Endo / E-BLUS with P.O.P.-trainer

**15:15 - 16:45**
Willhelm Maybach Saal B

Session

Session 11: Simulation and training

Moderation

* [Robert M Sweet, United States](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60369)
* [Domenico Veneziano, Italy](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60370)

**15:15**

Phantom development

* [John J. van den Dobbelsteen, Netherlands](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60422)

**15:25**

Exponential technologies and the evolution of hands-on training

* [Domenico Veneziano, Italy](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60370)

**15:35**

Technical skills training: state of the art

* [Ali Goezen, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60788)

**15:45**

Simulation-what can doctors learn from aviation

* [Kai-Jörg Sommer, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60430)

**15:55**

Non-technical skills training: evolution on the field

* [Prokar Dasgupta, United Kingdom](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60431)

**16:05**

Expected Outcomes of Technical Enhanced Learning Development

* [Calin Tiu, Romania](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60433)

**16:15**

Smartphone Apps, Augmented Reality and the value of digital technologies in surgical training

* [Shafia Ahmed (invited), United Kingdom](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60428)

**15:15 - 16:45**
Seminarraum

Session

Session 12: ESWT - interdisciplinary indications

Moderation

* [Martin Ringeisen, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60393)
* [V. Mirone, Italy](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64702)
* [Georgios Hatzichristodoulou, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60439)

**15:15**

Biological basis of ESWT for ED and IPP

* [Georgios Hatzichristodoulou, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60439)

**15:25**

Limitations of currently used ESWT parameters for a correlation with clinical effectiveness

* [Matias de la Fuente, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64694)

**15:35**

Longterm experiences of ESWT for IPP

* [Franziska Radecke, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60440)

**15:45**

ESWT for Erectile Dysfunction

**15:55**

ESWT for urological disorders – experience with piezoelectric shock waves

* [Igor Motil, Czech Republic](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64703)

**16:05**

ESWT for Prostatitis and IPP - where is the evidence?

* [V. Mirone, Italy](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64702)

**16:15**

Mechanobiological mechanisms of extracorporal shock wave therapy in orthopedic disorders

* [J. Hausdorf, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64704)

**16:25**

Orthopedic Indications and additional methods: ESWT and soft-tissue engineering

* [L. Gerdesmeyer, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64705)

**16:35**

Brain Stimulation for Alzheimer's Disease

* [Roland Beisteiner, Austria](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60809)

**15:15 - 16:45**
Wilhelm Maybach Saal A

Session

Session 10: Robotics – New systems for laparoscopy and endourology

Moderation

* [Evangelos Liatsikos, Greece](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60388)
* [Joris Jaspers, Netherlands](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60404)
* [Piotr Chlosta, Poland](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60446)

**15:15**

Da Vinco XI - the gold standard

* [Alberto Breda, Spain](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60383)

**15:25**

Revo I - the Korean Robot and Asian developments

* [Koon Rha, South Korea](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60445)

**15:35**

Senhance - first clinical experience

* [Piotr Chlosta, Poland](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60446)

**15:45**

SPORT-System - where are we now?

* [Eric Barret, France](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60447)

**15:55**

Avatera - The German Robot

* [Jens-Uwe Stolzenburg, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60448)

**16:05**

Multi center clinical use of HandX, a robotized laparoscopic instrument

* [Amir Szold, Israel](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60805)

**16:15**

Long-term experience with Avicenna Roboflex for robotic flexible ureterorenoscopy

* [Jens Rassweiler, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/55827)

**16:25**

Aquablation - robotic TURP: the future?

* [Meryem Akkoyun, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/67727)

**15:15 - 16:45**
Foyer

Poster

Poster 4

**16:45 - 17:00**
Wilhelm Maybach Saal A, Willhelm Maybach Saal B, Seminarraum, Foyer

Allgemeines

Coffee Break

**17:00 - 18:30**
Wilhelm Maybach Saal A

Session

Session 13: Science Slam

Moderation

* [Lena Maier-Hein, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/59932)
* [Thomas Kirchner, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/59933)
* [Amir Szold, Israel](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60805)

**17:00 - 18:30**
Willhelm Maybach Saal B

Session

Session 14: Modern Management of upper and lower urinary tract TCC

Moderation

* [Morgan Roupret, France](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60451)
* [Arnulf Stenzl, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/61875)
* [Maximilian Burger, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/61876)

**17:00**

A new cryo-device for upper tract biopsy

* [Jan-Thorsten Klein, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60453)

**17:10**

Role of NLR in Personalized Conservatively Treated UTUC Management

* [Anup Patel, United Kingdom](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60812)

**17:20**

Pathological evaluations of en bloc TURB: new perspectives

* [Salvatore Micali, Italy](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64762)

**17:30**

MMC-gel for upper tract tumors

* [Nir Kleinmann, Israel](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64706)

**17:40**

What is new in intravesical therapy?

* [Maximilian Burger, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/61876)

**17:50**

Chemotherapy and/or immunotherapy in advanced TCC

* [Jens Bedke, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60813)

**18:00**

Precision Oncology in Urothelial Cancer: Recent Advances

* [Christian Bolenz, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60454)

**18:10**

Summary

* [Morgan Roupret, France](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60451)

**17:00 - 18:30**
Seminarraum

Session

Session 15: Cardiac Surgery

Moderation

* [Daniel Wendt, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60814)
* [Matthias Thielmann, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64831)

**17:00**

Transit Time Flow Measurement and HFUS to control for CABG quality

* [Daniel Wendt, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60814)

**17:10**

Insights from the North Rhine Westphalia infarct registry

* [Matthias Thielmann, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64831)

**17:20**

Update on novel minimal-invasive therapies to treat structural heart disease

* [P. Kahlert (invited), Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64834)

**17:30**

Update on novel strategies for PCI

* [Hagen Kaelsch (invited), Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64832)

**17:40**

Intraoperative Haemoadsorption using to treat inflammation

* [Sharaf- Eldin Shehada (invited), Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64833)

**17:00 - 18:30**
Foyer

Poster

Poster 5

**19:30 - 23:59**
Wilhelm Maybach Saal A, Willhelm Maybach Saal B, Seminarraum, Foyer

Allgemeines

Get Together in der Weinvilla

Friday, 11. Oct

**08:30 - 10:00**
Wilhelm Maybach Saal A

Session

Session 16: The role of single-use endoscopy Intravesical treatment - Lasers

Moderation

* [Thomas Knoll, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60457)
* [Young Seo, South Korea](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64766)
* [Arkadiusz Miernik, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/65286)

**08:30**

Single-use ureteroscopy using LithoVue Empower

* [Thomas Knoll, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60457)

**08:40**

Single-use ureteroscopy using PUSEN

* [Marin Georgiev, Bulgaria](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64765)

**08:50**

Retrograde intrarenal stone surgery using disposable flexible ureterorenoscope

* [Young Seo, South Korea](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64766)

**09:00**

How selective use of disposable flexible uretereroscopes reduce overall costs

* [Jens Rassweiler, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/55827)

**09:10**

Single-use cystoscopy with ISIRIS

* [Michael Straub, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60458)

**09:20**

Intravesical therapy –new interdisciplinary options

* [Thomas Bschleipfer, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/61878)

**09:30**

Development of mechanic lithotripters for stone treatment

* [Rainer Hofmann, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/61879)

**09:40**

The TFL SuperPulse Laser

* [Felix Chun, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64708)

**09:50**

The role of EPS (enhanced pulse setting) for treatment of BPH with Holmium-Laser

* [Sven Piesche, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64768)

**08:30 - 10:00**
Seminarraum

Session

Session 18: Affordable devices for global surgery

Moderation

* [Jenny Dankelmann, Netherlands](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60377)
* [Samuel Vincent G. Yrastorza, Philippines](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64748)

**08:30**

Introduction on lack of safe global surgery

* [Jenny Dankelmann, Netherlands](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60377)

**08:40**

Development of affordable electrosurgical devices

* [Julie Fleischer, Netherlands](https://smit2019.smart-abstract.com/sessionplanner/#/persons/67476)

**08:50**

Virtual reality and mobile technology for delivering simulation training on the management of emergencies in LMICs

* [Chris Paton, United Kingdom](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60824)

**09:00**

Low-cost endoscopy for gastric cancer screening in LMIC

* [Pietro Valdastri, United Kingdom](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64877)

**09:10**

Development of an orthopaedic drill cover

* [Elise Huisman, Netherlands](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60825)

**09:20**

Training of BMETs in low resource settings

* [Jenny Dankelmann, Netherlands](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60377)

**09:30**

Retroperitoneoscopy introduced from Heilbronn to the Phillipines

* [Juvido Agatep, Philippines](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64709)

**09:40**

Gasless laparoscopic surgery

* [David Jayne (invited), United Kingdom](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64983)

**08:30 - 10:00**
Willhelm Maybach Saal B

Session

Session 17: Controversies in Minimally Invasive Urogynecology

Moderation

* [Franco Gaboardi, Italy](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60815)
* [Liselotte Mettler, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64764)

**08:30**

Panel: Gynecology

* [Ibrahim Alkatout, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64707)

**08:40**

Panel: Urology

* [Martin Hatzinger, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60816)
* [Giovanni Alberto Pini, Italy](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60817)

**08:50**

Topics discussed: 1. Gynecological indications for laparoscopic /robot-assisted anterior exenteration

**09:00**

Topics discussed: 2. The role of robotic and conventional laparoscopic surgery for cervical cancer after the recent LACC study and others

**09:10**

Topics discussed: 3. The best way to treat pelvic prolapse

**09:20**

Topics discussed: 4. Endometriosis close to the ureter an interdisciplinary challenge

**08:30 - 10:00**
Foyer

Poster

Poster 6

**10:00 - 10:30**
Wilhelm Maybach Saal A, Willhelm Maybach Saal B, Seminarraum, Foyer

Allgemeines

Coffee Break

**10:30 - 12:00**
Willhelm Maybach Saal B

Session

Session 20: What is new in intraoperative imaging?

Moderation

* [Alberto Breda, Spain](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60383)
* [Dogu Teber, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60471)
* [Bernardo Rocco, Italy](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60473)

**10:30**

Confocal laser microscopy in dermatology

* [Harald Löffler, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60464)

**10:40**

Confocal laser microscopy in the upper urinary tract - ready to go?

* [Alberto Breda, Spain](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60383)

**10:50**

Confocal laser microscopy during RALP

* [Bernardo Rocco, Italy](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60473)

**11:00**

Multispectral imaging – ready for laparoscopy

* [A. Vemuri (invited), Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64879)

**11:10**

Intraoperative Tissue differentiation by optical emission spectroscopy

* [Dominik Spether (invited), Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/61886)

**11:20**

Raman vs. PDD in Neurosurgey

* [Gernot Kronreif, Austria](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60406)

**11:30**

HD-PDD for imaging of bladder tumors

* [Arnulf Stenzl, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/61875)

**11:40**

Multiparametric cystoscopy

* [Maximilian Kriegmair, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60474)

**10:30 - 12:00**
Seminarraum

Session

Session 21: Innovation in and around the neurosurgery operating room

Moderation

* [Uwe Spetzger, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60411)
* [Fady Charbel, United States](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60410)
* [Oliver Sakowitz, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64985)

**10:30**

The use of augmented reality with HoloLens for neurosurgery

* [Michal Hlavac, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64986)

**10:40**

Laser interstitial thermal therapy (LITT) and intraoperative MRT in Neurosurgery

* [Oliver Bozinov, Switzerland](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64987)

**10:50**

The of a 3D-HD-Exoskops for neuro-surgical interventions

* [Jen Regelsberger, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64988)

**11:00**

Intraoperative MRI in Neurosurgery: Hybrid-, two-room, three-room, etc. solutions. What makes sense?

* [Oliver Sakowitz, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64985)

**10:30 - 12:00**
Wilhelm Maybach Saal A

Session

Session 19: Focal interdisciplinary therapy

Moderation

* [Burkhard Lippert, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/61882)
* [Jochen Walz, France](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60462)

**10:30**

The role of Fusion-MRI-based biopsy for focal therapy of the prostate

* [Jochen Walz, France](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60462)

**10:40**

MRI and Ultrasound for Software-Based Fusion-Guided Prostate Biopsy

* [Ulrich Humke, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60827)

**10:50**

Robotic prostate biopsy

* [Dan Stoianovici, United States](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64710)

**11:00**

VTP-therapy for the focal treatment of the prostate cancer

* [Angelika Borkowetz, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60463)

**11:10**

IRE from scratch to clinic in prostate cancer

* [Martijn de Bruin (invited), Netherlands](https://smit2019.smart-abstract.com/sessionplanner/#/persons/67690)

**11:20**

Electrochemotherapy - mode of action and treatment of skin tumors and metastases

* [Harald Löffler, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60464)

**11:30**

Electrochemotherapy – experiences in ENT

* [Magnus Tiefenbach, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/61884)

**11:40**

REZUM-technology for transurethral management of the prostate (BPO)

* [Ullrich Witzsch, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60467)

**10:30 - 12:00**
Foyer

Poster

Poster 7

**10:30 - 12:00**
Theodor Heuss Saal

Allgemeines

Hot- Lap /Endo / E-BLUS with P.O.P.-trainer

Moderation

* [Ali Goezen, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60788)
* [Jan-Thorsten Klein, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60453)

**12:00 - 13:00**
Seminarraum

Allgemeines

MITAT Editorial Board Meeting

**12:00 - 13:00**
Wilhelm Maybach Saal A, Willhelm Maybach Saal B, Foyer

Allgemeines

Lunch

**13:00 - 14:30**
Willhelm Maybach Saal B

Session

Session 23: Minimally invasive oncologic therapy for renal cancer

Moderation

* [Uwe Martens, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60484)
* [Philippe Pereira, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60391)
* [MS Michel, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64880)

**13:00**

The role of RFA in the management of the metatastases

* [Philippe Pereira, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60391)

**13:10**

The role of genetic diagnostic / nanosurgery

* [Carsten Grüllich, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60486)

**13:20**

The role of minimal-invasive surgery

* [Piotr Chlosta, Poland](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60446)

**13:30**

The role of targeted therapy

* [Michael Staehler, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60488)

**13:40**

Is there still a role for open surgery?

* [Markus Hohenfellner, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60489)

**13:50**

Case presentations

* [Marcel Fiedler, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60405)

**13:00 - 14:30**
Seminarraum

Session

Session 24: Robotics around the head

Moderation

* [Gernot Kronreif, Austria](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60406)
* [Cem Bulut, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/61889)

**13:00**

Robotics in cochlear implantation

* [Marco Caversaccio, Switzerland](https://smit2019.smart-abstract.com/sessionplanner/#/persons/61891)

**13:10**

Update in head and neck robotics

* [Tom Vauterin, Belgium](https://smit2019.smart-abstract.com/sessionplanner/#/persons/61894)

**13:20**

Quality of life outcome in head and neck robotics

* [Cem Bulut, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/61889)

**13:30**

A low-profile robot for neurosurgery

* [Gernot Kronreif, Austria](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60406)

**13:40**

Robotics in lateral skull base surgery

* [Philippe Federspil, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/61890)

**13:50**

Robotics and sensors for vitreoretinal surgery

* [Y Douven, Netherlands](https://smit2019.smart-abstract.com/sessionplanner/#/persons/62816)

**14:00**

Design and control of ENT instruments; challenges and implications

* [Julie Legrand, Belgium](https://smit2019.smart-abstract.com/sessionplanner/#/persons/62817)

**13:00 - 14:30**
Wilhelm Maybach Saal A

Session

Session 22: Operating room of the future

Moderation

* [Andreas Melzer, United Kingdom](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60408)
* [Keno März, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/59931)
* [Markus Hohenfellner, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60489)

**13:00**

Data management in the operating room

* [Anette Grossmüller, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60479)

**13:10**

Software defined healthcare: translational trends in urology interventions and current challenges of scaling them

* [Magdalena Görtz, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/67705)

**13:20**

Software defined healthcare: scaling translational interventions massively via the OP 4.1 business and technology platform

* [Michael Byczkowski, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60481)

**13:30**

Scenara – Software for big data management

* [Ingo Brechtel, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60482)

**13:40**

Value-added services based on SDC

* [Thomas Neumuth, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/61895)

**13:50**

State of the Art and future developments of OR technology

* [Andreas Melzer, United Kingdom](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60408)

**14:00**

Hybrid is the key: OR, procedures and navigation

* [Michele Diana, France](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60421)

**14:10**

3 Best MITAT-paper 2019

* [Eiji Kanehira, Japan](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60483)

**13:00 - 14:30**
Foyer

Poster

Poster 8

**14:30 - 16:00**
Wilhelm Maybach Saal A

Session

Session 25: Medicine 2030

Moderation

* [Jens Rassweiler, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/55827)
* [Fady Charbel, United States](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60410)
* [Domenico Veneziano, Italy](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60370)

**14:30**

AI and big data analysis in genome sequencing

* [Uwe Martens, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60484)

**14:40**

Why Apps are disrupting healthcare, what innovators need to know”?

* [Paul Wetter, United States](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60493)

**14:50**

Future of Surgery – the 5th Generation of Surgery is Non-Invasive

* [Richard M. Satava, United States](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60423)

**15:00**

Could machine become a doctor? The review of the deep learning systems for computer aided diagnosis

* [Franciszek Binczyk, Poland](https://smit2019.smart-abstract.com/sessionplanner/#/persons/61897)

**15:10**

Seoul declaration for ethical medical technology: update and future

* [Young Woo Kim, South Korea](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64990)

**15:20**

The future role of VR in Medicine

* [Gerrit Meixner, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/61898)

**15:30**

Robot meets Robot – 3D and functional navigation during robot-assisted surgery

* [Dogu Teber, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60471)

**15:40**

How science fiction influences science

* [Nicoletta Iacobacci, Switzerland](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60491)

**14:30 - 16:00**
Willhelm Maybach Saal B

Session

Session 26: Minimally invasive oncologic therapy on prostate cancer

Moderation

* [Kurt Miller, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/61899)
* [F. Porpiglia, Italy](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60830)

**14:30**

The role of minimally invasive surgery in advanced prostate cancer

* [Francesco Montorsi, Italy](https://smit2019.smart-abstract.com/sessionplanner/#/persons/61900)

**14:40**

3D-Navigation during robotic assisted radical prostatectomy

* [F. Porpiglia, Italy](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60830)

**14:50**

Long-term results after brachytherapy

* [Stefan Carl, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60832)

**15:00**

The role of open surgery in advanced prostate cancer

* [Kurt Miller, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/61899)

**15:10**

The role of PSMA-PET in imaging of advanced prostate cancer

* [Wolgang Jäger, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/62818)

**15:20**

The role chemotherapy in advanced prostate cancer

* [S. Machtens, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60836)

**15:30**

The role of anti-hormonal treatment in advanced prostate cancer

* [Christian Schwentner, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/61901)

**15:40**

Summary

* [Kurt Miller, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/61899)

**14:30 - 16:00**
Seminarraum

Session

Session 27: EIRSS-last supper

Moderation

* [Gerhard Fuchs, United States](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60469)
* [MS Michel, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64880)
* [Joachim Thüroff, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/67735)

**14:30**

Management of Level-4 cava thrombus

* [Markus Hohenfellner, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60489)

**14:40**

How RIRS was developed

* [Gerhard Fuchs, United States](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60469)

**14:50**

NLR in Optimizing Selection of Adjuvant Therapy Candidtates for Post Nephrectomy High Risk M0 Clear Cell RCC Patients

* [Anup Patel, United Kingdom](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60812)

**15:00**

Cytoreductive tumornephrectomy – update 2019

* [Gerald Mickisch, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60839)

**15:10**

Urine cytology – what has changed

* [Peter Rathert, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60837)

**15:20**

The birth of laparoscopic radical prostatectomy

* [Bertrand Guillonneau, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64882)

**15:30**

Posterior reconstruction after radical prostatectomy

* [Bernardo Rocco, Italy](https://smit2019.smart-abstract.com/sessionplanner/#/persons/60473)

**15:40**

Development in the clinical evaluation of the modified Indiana pouch

* [Rainer Hofmann, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/61879)

**15:50**

The couple after radical prostatectomy

* [Claude Abbou (invited), France](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64712)

**14:30 - 16:00**
Foyer

Poster

Poster 9

**14:30 - 16:00**
Theodor Heuss Saal

Allgemeines

Hot- Lap /Endo / E-BLUS with P.O.P.-trainer

**16:00 - 17:00**
Wilhelm Maybach Saal A

Session

Closure

**16:00**

John Abele Lecture

* [Stefanie Speidel, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/61872)

**16:20**

John Wickham Lecture

* [Peter Alken, Germany](https://smit2019.smart-abstract.com/sessionplanner/#/persons/64883)

**17:00 - 18:30**
Seminarraum

Allgemeines

General Assembly

**19:15 - 23:00**
Wilhelm Maybach Saal A, Willhelm Maybach Saal B, Seminarraum, Foyer

Allgemeines

Science & Technology Night @Experimenta, SMIT Awards, Closing Ceremony