



Unleash imaging to advance therapy outcomes

# 1<sup>st</sup> Global Image Guided Therapy Summit

## Agenda

# Welcome Tuesday, June 26, 2018

19:00 – 21:00 Welcome Reception at the Mandarin Oriental Hotel

# Day 1 Wednesday, June 27, 2018

Time	Topic	Speaker
09:00 – 09:20	Siemens Healthineers' vision for image-guided therapy	Peter Seitz Siemens Healthineers
09:20 – 09:40	The death of surgery as we know it	Amir Szold, MD Assia Medical Group.
09:40 – 10:00	Hastening the transition: Integration, intelligence and multi-modality imaging	Rebecca Fahrig, PhD Siemens Healthineers
<b>10:00 – 11:25</b>	<b>Session 1: Vascular Surgery</b>	
	A new technique in evaluating endovascular treatment of the diabetic arteries below the knee	Prof. Liu Bao Peking Union Medical College Hospital
	The hybrid OR for complex endovascular aortic repair	Boonprasit Kritpracha, MD Prince of Songkla University Hospital
	Intra-operative imaging and multi-modality image integration – The next surgical revolution!	Alan B. Lumsden, MD Houston Methodist Hospital
	The multi-modality hybrid suite in cardiothoracic surgery	Prof. Wei Lai Fudan University aff. Zhongshan Hospital
11:25 – 11:40	Coffee break	
<b>11:40 – 12:45</b>	<b>Session 2: Abdominal Surgery</b>	
	Image guided approach for selective liver resection	Prof. Go Wakabayashi Ageo Central General Hospital
	Percutaneous surgery, then and now	Prof. Mariano Gimenez University of Buenos Aires
	Killing surgery to save the surgeons, how do we go from here?	Amir Szold, MD Assia Medical Group.
12:45 – 13:35	Lunch	
<b>13:35 – 14:20</b>	<b>Session 3: Ortho Surgery</b>	
	Intra-operative 3D imaging in orthopedic trauma surgery with mobile C-arms – 17 years of experience	Prof. Paul Gruetzner BG -Unfallklinik Ludwigshafen
	Advanced image-guidance techniques facilitating percutaneous treatment of pelvic metastases	William Lea, MD Medical College of Wisconsin
<b>14:20 – 15:05</b>	<b>Session 3: Spine Surgery</b>	
	The usage of Angio-CT for vertebral augmentation	David Lacey, MD Iowa Methodist Medical Center
	The benefits of intra-procedural CT guidance in complex neurosurgery	Prof. Nikolay Konovalov The Burdenko Neurosurgery Institute

# Day 1

Wednesday, June 27, 2018

Time	Topic	Speaker
15:05 – 15:50	<b>Session 4: Neurosurgery</b>	
	Hybrid operating rooms and intra-operative imaging in neurosurgical and spine procedures	<b>Ichiro Yuki, MD</b> Jikei University Hospital
	Intra-procedural MRI image guidance in neurosurgery	<b>Ricardo Diez Valle, MD</b> University Clinic of Navarra
15:50 – 16:05	Coffee break	
16:05 – 17:45	<b>Session 5: Cardiac &amp; Thoracic Surgery</b>	
	The multi-modality hybrid suite in cardiothoracic surgery	<b>Prof. Wei Lai</b> Fudan University aff. Zhongshan Hospital
	How to combine intra-operative imaging with robotic surgery in cardiac surgery?	<b>Prof. Johannes Bonatti</b> Cleveland Clinic Abu Dhabi
	CATS hybrid approach for pulmonary nodules	<b>Prof. Eric Roessner</b> University Medical Centre Mannheim
	Learning curve of image-guided video-assisted thoracoscopic surgery for small pulmonary nodules	<b>Prof. Yin-Kai Chao</b> Chang Gung Memorial Hospital
	Hybrid theatre and electromagnetic navigation bronchoscopy: a perfect match	<b>Prof. Calvin Ng</b> The Chinese University of Hong Kong, Prince of Wales Hospital
	Panel discussion: Image-guided thoracic surgery	<b>Prof. Eric Roessner</b> <b>Prof. Yin-Kai Chao</b> <b>Prof. Calvin Ng</b> <b>Raphael Bueno, MD</b> <b>Mahesh Ramchandani, MD</b>
17:45 – 17:55	Closing remarks	<b>Andreas Fischer</b> Siemens Healthineers

# Day 2

Thursday, June 28, 2018

## Parallel Session 1

The future in the hybrid OR: Digitalization and Robotics

Time	Topic	Speaker
09:00–09:10	Welcome	Jan Hille, MD Siemens Healthineers
<b>09:10–10:40</b>	<b>Expanding precision medicine</b>	
	Cinematic Rendering – a new tool to improve surgical planning	Jan Hille, MD Siemens Healthineers
	Mixed Reality applications in surgery	Jan Hille, MD Siemens Healthineers
	Look beyond the endoscope – Augmented Reality for Liver Surgery	Martin Ostermeier, PhD Siemens Healthineers
10:30 – 10:50	Coffee break	
<b>10:50 – 12:20</b>	<b>Digitalizing Healthcare</b>	
	Digital Ecosystem – app integration in the OR	Michael Bodky Siemens Healthineers
	Workflow Awareness in the OR	Rebecca Fahrig, PhD Siemens Healthineers
	Artificial Intelligence	Terence Chen Siemens Healthineers
<b>12:20 – 12:50</b>	<b>Expanding precision medicine</b>	
	Integration imaging and robotics	Thomas Fuchs Siemens Healthineers
12:50–12:55	Closing remarks	
12:55 – 13:45	Lunch	

# Day 2

Thursday, June 28, 2018

## Parallel Session 2

How to plan a multi-disciplinary, multi-modality infrastructure for advanced therapy outcomes – successfully and financially sustainably

Time	Topic	Speaker
09:00 – 09:10	Welcome	Arjen Bogaards Siemens Healthineers
09:10 – 09:40	nexaris Angio-CT - combined use by interventional radiology and orthopedic surgery	William Lea, MD Medical College of Wisconsin
09:40 – 10:00	Future technology development for multi-modality imaging – A deeper level of integration	Arjen Bogaards Siemens Healthineers
10:00 – 10:30	Innovative workflows & Clinical pathways – share experience from Nijmegen with multi-modality imaging	Amilcar Alzaga, MD Siemens Healthineers
10:30 – 10:50	Coffee break	
10:50 – 11:15	MITIE – best practice sharing on training for multi-modality, multi-disciplinary hybrid suites	Alan Lumsden, MD Houston Methodist Hospital
11:15 – 11:40	Experience from building China first intraoperative Angio-CT-MR hybrid OR – From dream to new era reality	Prof. Liu Zhongmin Shanghai East Hospital
11:40 – 12:05	Pre-sales consulting for complex multi-modality infrastructure – guiding and supporting our customers when making difficult decisions	Vanessa Gerhard Siemens Healthineers
12:05 – 12:35	Accelerating transformation in image-guided therapy through innovative business models and long-term partnerships	Jan Schmalzing Siemens Healthineers
12:35 – 13:05	Moderated discussion	All speakers
13:05 – 13:10	Closing remarks	Arjen Bogaards Siemens Healthineers
13:10 – 14:00	Lunch	

# Day 2 **Thursday, June 28, 2018**

## Parallel Session 3

A global perspective on image-guided thoracic surgery:  
Clinical applications and technology outlook

Time	Topic	Speaker
09:00–09:10	Welcome	<b>Maik Bittner</b> Siemens Healthineers
09:10–09:35	The impact of lung cancer screenings on the demand for minimally-invasive thoracic surgery	<b>Mahesh Ramchandani, MD</b> Houston Methodist Hospital
09:35–10:00	The multi-modality imaging suite AMIGO in thoracic surgery	<b>Raphael Bueno, MD</b> Brigham and Womens Hospital
10:00–10:30	Q&A	
<b>10:30–10:50</b>	<b>Coffee break</b>	
10:50–11:10	State of the art multi-modality imaging: nexaris therapy suites	<b>Arjen Bogaards</b> Siemens Healthineers
11:10–11:30	Recent developments in mobile C-arms	<b>Alexander Gemmel</b> Siemens Healthineers
11:30–11:50	Q&A	
11:50–12:10	Endobronchial procedures in the hybrid OR – Experiences from Hong Kong	<b>Calvin Ng, MD</b> Prince of Wales Hospital Hong Kong
12:10–12:30	Tools for Endobronchial Navigation	<b>Martin Ostermeier, PhD</b> Siemens Healthineers
12:30–12:50	Q&A	
<b>12:50–13:50</b>	<b>Lunch</b>	
13:50–14:10	Experiences from Mannheim and thoughts for the future	<b>Eric Roessner, MD</b> University Medical Centre Mannheim
14:10–14:30	Integration of imaging and robotics	<b>Thomas Fuchs</b> Siemens Healthineers
14:30–14:50	Endoscopic Augmented Reality	<b>Martin Ostermeier, PhD</b> Siemens Healthineers
14:50–15:10	Cinematic Rendering for Surgery	<b>Jan Hille, MD</b> Siemens Healthineers
15:10–15:30	Moderated discussion	<b>All speakers</b>
15:30–15:40	Closing remarks	<b>Maik Bittner</b> Siemens Healthineers