Medical Simulation

-Mind the (G)App-

6th Congress Dutch Society for Simulation in Healthcare
19th March 2014, Utrecht, the Netherlands
Dear colleagues and friends,

The 6th Annual Congress of the Dutch Society for Simulation in Healthcare will take place in the University Medical Center Utrecht (UMCU). The UMCU is a vibrant environment where healthcare, research, education and innovation go together. Located in the heart of the Netherlands, the UMCU is easy to reach by car or public transport.

This year’s theme of the conference is “Mind the (G)App!”

Simulation is used by almost every healthcare discipline and is incorporated in many training programs. Currently 20,000 App’s for healthcare are available for download. Simulation, App’s and games are coming together. In this conference, a variety of interesting subjects concerning the use of simulation, app’s and games for medical professionals will be covered, presented by representatives from the medical domain, academia in general and industry. The accompanying exhibition will provide attendees with lots of opportunities to interact with developers and others.

The signature of the congress is Dutch, but many presenters will present in English and the presentations are supported with English language slides to promote and facilitate interaction with our non-Dutch speaking Congress delegates.

We hope to meet you soon in Utrecht!

Henk Schreuder MD PhD, congress president
Marlies Schijven MD PhD MHSc, president DSSH
# DSSH Board

**President**  
M.P. (Marlies) Schijven, MD PhD MHSc  
Surgeon  
Academic Medical Center Amsterdam, the Netherlands

**Vice President**  
R. (Ralf) Krage, MD PhD  
Anesthesiologist  
Free University Medical Center Amsterdam, the Netherlands

**Treasurer**  
H.W.R. (Henk) Schreuder, MD PhD  
Gynecologist  
Universty Medical Center Utrecht, the Netherlands

**Secretary**  
C. (Carla) de Jong  
Secretary of Board St. Anna Hospital  
Geldrop, the Netherlands

**Board Members**  
A.M. (Alma) Schaafstal, PhD  
Senior Lecturer Serious Gaming  
Windesheim University of Applied Sciences the Netherlands

J.M. (Joya) Smit, MSc  
Program Manager Master Advanced Nursing Practice  
Hanzehogeschool Groningen, the Netherlands

L.E. Garmers (Ludmilla), MD  
Anesthesiologist  
Medical Center Alkmaar, the Netherlands

G.J.M. Tuijthof (Gabriëlle), PhD Ir  
Faculty 3ME, dept. of BioMechanical Engineering  
Delft University, the Netherlands

P.A.J. (Pieter) Borg, MD PhD  
Anesthesiologist, Head of Skills and Simulation Center  
Maastricht University Medical Center, the Netherlands

**Board Member - Manager Social Media**  
E.Z (Esther) Barsom, B.Sc.  
Medical Student  
Academic Medical Center Amsterdam, the Netherlands
The Dutch Society for Simulation in Healthcare

The Dutch Society for Simulation in Healthcare - DSSH- was founded in June 2007; and aims to:

Support the development and implementation of Simulation and ‘Serious Gaming’ in Healthcare; thus promoting patient safety, evidence-based education, team-training, and overall quality in healthcare.

The Society aims to achieve this goal by:
• Facilitating, exchanging and improving the use of simulation technology and its appropriate application in Belgium and the Netherlands and with the affiliated foreign Societies (networking function);
• Development and promotion of standards for evidence-based simulation training in healthcare and its associated research through the Society’s Commission activities, Official Journal and yearly Congress;
• Supporting a global Dutch network for, by and through all professionals involved with Simulation and ‘Serious Gaming’ in Healthcare.

This Society Year (2013) healthcare professionals such as nurse practitioners, physician assistants, obstetricians, anesthesiology assistants and OR assistants are cordially and actively invited to join and participate within our Society.

The DSSH welcomes and encourages new input! Are you interested to join the activities of one of these Committees? Please contact the Chair of the Committee. You may also send an email to the DSSH board directly via committees@dssh.nl

Read more: http://www.dssh.nl
Dutch Society for Simulation in Healthcare
Committee on Accreditation and Standardization:
To promote and facilitate (inter-) disciplinary standards for accreditation, standardization and certification for professionals in Healthcare. To promote and facilitate scientific activities and collaboration between various professionals and professions involved the area of accreditation and standardization for medical simulation. To provide appropriate input for and content to the yearly DSSH Congress.

Chair of this Committee: Dr. P.A.J. (Pieter) Borg

Committee on Serious Gaming:
To promote and facilitate initiatives contributing to the development and implementation of ‘Serious Gaming’ in Healthcare. To support collaboration between soft- and hardware developers, game designers, ICT professionals, medical professionals in daily healthcare. To provide appropriate input for and content to the yearly DSSH Congress.

Chair of this Committee: Dr. A.M. (Alma) Schaafstal

Committee on Education:
To promote and facilitate the quality of medical teaching and -education within the DSSH, and to promote and facilitate educational activities and collaboration between various professionals and professions involved the area of educational activities referring to medical simulation. To provide appropriate input for and content to the yearly DSSH Congress.

Chair of this Committee: Mr. drs. L.E. (Ludmilla) Garmers

Committee on Scientific Research:
To promote and facilitate the scientific character of the activities within DSSH and to promote and facilitate scientific activities and collaboration between various professionals and professions involved the area of scientific research in medical simulation. To provide appropriate input for and content to the yearly DSSH Congress.

Chair of this Committee: Dr. ir. G.J.M. (Gabrielle) Tuijthof
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>08.30 - 09.00</td>
<td>Registration</td>
</tr>
</tbody>
</table>
| 09.00 - 09.05 | Congress opening (Henk Schreuder)  
Blauwe college zaal |
| 09.05 - 09.30 | Keynote 1  
Erick Taubert “Revolution of Medical App’s in Healthcare”  
Blauwe college zaal |
| **Main session** | Practical Skills Training  
Moderator Marlies Schijven |
| 09.30 - 09.45 | E-modules as a preparation for practical skill training medical students UMC Utrecht: bridging the theory-practice gap:  
Next step an app?  
Femke Jongen-Hermus (UMC Utrecht)  
Blauwe college zaal |
| 09.45 - 10.00 | Initial experience with the Dutch Urology Practical Skills training program: Opinions of residents and urologists on quality of education  
Barbara Schout (MC Alkmaar)  
Blauwe college zaal |
| 10.00 - 10.15 | Development and validation of a computer-based learning module for wrist arthroscopy  
Miryam Obdeijn (AMC)  
Blauwe college zaal |
| 10.15 - 10.30 | Learning from Visual Force Feedback in box-trainers  
Tim Horeman (TU Delft)  
Blauwe college zaal |
<p>| 10.30 - 11.00 | Coffee break, time to visit Expo |</p>
<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.00 - 11.15</td>
<td>Communicate!</td>
<td>Majanne Wolters and Johan Jeuring (UMC Utrecht)</td>
</tr>
<tr>
<td>11.30 – 11.45</td>
<td>Moving virtual environments: a novel way to treat dizziness and balance problems due to peripheral disease</td>
<td>Agali Mert (MRC Aardenburg)</td>
</tr>
<tr>
<td>11.45 – 12.00</td>
<td>“Mind the gap, before you leave Simulator based training and interclinical transportation of critically ill patients”</td>
<td>Uli Strauch (Maastricht UMC)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.00 - 11.10</td>
<td>Introduction</td>
<td>Ralf Krage (VUMC)</td>
</tr>
<tr>
<td>11.10 - 11.20</td>
<td>Mobile multidisciplinary team training in a hospital setting</td>
<td>Pieter Borg (Maastricht UMC)</td>
</tr>
<tr>
<td>11.20 - 11.35</td>
<td>Video support in emergency care, A time for change?</td>
<td>Peter van der Heijden (RAV Gelderland Zuid)</td>
</tr>
<tr>
<td>11.35 - 11.50</td>
<td>Abstract for local EMS training partners in the chain of care within the region of Gelderland South.</td>
<td>Wim Huijzendveld en Peter van der Heijden (ROC en RAV Gelderland Zuid)</td>
</tr>
<tr>
<td>Time</td>
<td>Event</td>
<td></td>
</tr>
<tr>
<td>---------</td>
<td>----------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>12.00 - 12.30</td>
<td><strong>Keynote 2 Jan Joost Rethans, “Simulated and Standardized Patients: why would you want to use them? Facts and fantasies about the use of Simulated and Standardized patients as educational tools for the delivery of quality in health care”</strong></td>
<td></td>
</tr>
<tr>
<td>12.30 - 13.45</td>
<td><strong>Lunch + visit expo</strong></td>
<td></td>
</tr>
<tr>
<td>13.25 - 13.45</td>
<td><strong>Annual Members Meeting DSSH</strong></td>
<td></td>
</tr>
</tbody>
</table>
| **Main session** | **Testing and Credentialing**  
Moderator Gabrielle Tuijthof |
| 13.45 - 14.15 | **Credentialing in Healthcare Simulation: the Value of Accreditation and Certification**  
*Andrew Spain (SSiH, USA) and Karin Reynolds (University of Birmingham, UK)* |
| 14.15 - 14.30 | **Experts Oceans Apart, Proficiency values for laparoscopic simulator training**  
*Jan-Maarten Luursema (Radboud UMC)* |
| 14.30 - 14.45 | **Development and evaluation of a simulation assessment tool for nursing and midwifery students at the Association KU Leuven**  
*Evelyn van Hommerig en Lana Glorieux (KU Leuven)* |
| 14.45 - 15.00 | **Platform Skills and Simulation Education (SSE)**  
*Kelly Kwant (UMC Utrecht)* |
<p>| 15.00 - 15.30 | <strong>Coffee break time to visit Expo</strong> |</p>
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.30 - 15.45</td>
<td>Ceremony Quality Label Serious Games&lt;br&gt;Alma Schaafstal (University of Applied Sciences Windesheim and DSSH board)</td>
</tr>
<tr>
<td>15.45 - 16.00</td>
<td>From prototype to game&lt;br&gt;Jan Pieter van Seventer (Dutch Game Garden)</td>
</tr>
<tr>
<td>16.00 - 16.15</td>
<td>A serious game can teach residents in clinical decision making in airway management&lt;br&gt;Maarten Vollebergh (AMC)</td>
</tr>
<tr>
<td>16.15 - 16.30</td>
<td>Teaching geriatric reasoning and cost consciousness with the serious game GeriatriX&lt;br&gt;Joep Lagro (Radboud UMC)</td>
</tr>
<tr>
<td>16.30 - 17.00</td>
<td>keynote 3 Marlies Schijven “Innovation of Simulation in Healthcare”</td>
</tr>
<tr>
<td>17.00 - 17.10</td>
<td>Congress closure (Henk Schreuder)</td>
</tr>
<tr>
<td>17.10 - 18.00</td>
<td>Closing drinks and visiting Expo</td>
</tr>
</tbody>
</table>
Speakers and moderators

**Borg (Pieter)**, MRCA, Anesthesiologist and director Simulation Center, Maastricht University Medical Center, The Netherlands

Pieter Borg spent 2 years as a tropical doctor in Central America before starting his anaesthetic training (partly UK, partly The Netherlands). He was involved in introducing Problem Based Learning and Simulation in the Dutch medical specialty anaesthesia curriculum. Currently he is Head of the Simulation Center and staff anaesthetist at the Maastricht Universitair Medisch Centrum (NL).

**Heijden van der (Peter)**, MANP Ambulance, RAV Gelderland Zuid, The Netherlands.

Master advanced Nurse practitioner i.t. at the regional ambulance services Gelderland-South and Helicopter crew member at several HEMS operations in the Netherlands. Peter van der Heijden practices in the field of pré-hospital care as an ambulance rapid responder and flight nurse at several HEMS operating base in the Netherlands. One of his professional competence and tasks is to organize and support innovative and targeted educational multidisciplinary training at a regional level. This multidisciplinary chain training within the EMS Gelderland South involves firefighters, midwives, ER doctors and nurses and soon general home doctors.

**Horeman (Tim)**, Ir. PhD candidate, Department of BioMechanical Engineering, Delft University of Technology, The Netherlands

In 2005, Tim received his MSc degree in Biomedical engineering from the Delft University of Technology with a specialization in BioMechatronics and minimally invasive surgery and medical safety in 2008. Tim did his PhD research in the Minimally Invasive Surgery and Interventional Technology (MISIT) group of the department of Biomechanical Engineering of the TU-Delft and Gynaecology department of the Leiden medical Centre. During his PhD research he developed novel training systems equipped with force and motion tracking systems that provide feedback to the user. In May 2013, Tim started as project leader on the Steerable Punch project, a collaboration between universities, international and national operating manufacturers.
**Jeuring (Johan),** Professor, software technology for learning and teaching. Department of Information and Computing Science. University of Utrecht, The Netherlands

Jeuring is a professor of Software Technology for Learning and Teaching, at the Department of Information and Computing Sciences of Utrecht University and the Open University the Netherlands. He develops software technology to support learning and teaching, such as feedback in tutoring systems for mathematics, logic, and programming, automatic assessment of mathematics and programming, and artificial intelligence in games. His work is used in several learning environments, both in the Netherlands and other European countries.

**Jongen-Hermus (Femke),** Department of Clinical Skills Training, University Medical Center Utrecht, Utrecht, The Netherlands

I am team coordinator and teacher clinical skills at the faculty of medicine at the UMC Utrecht. Our main focus is teaching basic practical skills to medical students and developing e-modules as preparation for the lessons. I studied medicine at the University of Maastricht. After graduation in 2001 I worked in a hospital in Breda at the Internal Medicine Department. I received a diploma in Tropical Medicine in 2004 and worked for two years as a teacher in Tanzania. I started my current job at the UMC Utrecht in 2010. I am very enthusiastic about working with students and they motivate me to think about innovations in medical education.

**Krage (Ralf),** MD, Anesthesiologist and president of SESAM, Department of Anesthesiology VU Medical Centre, Amsterdam, The Netherlands

Ralf Krage is an anesthesiologist. Since 2007 he works at the VU university medical center in Amsterdam, the Netherlands. His special interests focus on Human Factor issues. He has a record of numerous invited presentations on international conferences on Human Factors, patient safety, simulation-based learning and airway management. He is currently president of SESAM (Society in Europe for Simulation Applied to Medicine) and vice-president of the DSSH (Dutch society for Simulation in Healthcare). For the International Meeting for Simulation in Healthcare (IMSH2013) he served as co-chair.
Speakers and moderators

Kwant (Kelly), Department of Clinical Skills Training, University Medical Center Utrecht, Utrecht, The Netherlands

I studied medicine at the UMC Utrecht. After graduating in 2009 I worked as a doctor in the youth health care and as a forensic doctor, before starting teaching clinical skills at the UMC Utrecht in 2012. Our main focus is teaching basic skills to medicine students of bachelor year 1 and 2 and developing e-modules as preparation for the lessons. Besides working as a teacher I am coordinator of the Skills and Simulation Platform.

Lagro (Joep), Ir. MD PhD, Geriatrician, Department of Geriatric Medicine, Radboud University Medical Centre, Nijmegen, The Netherlands

Joep Lagro is working as a geriatrician at the Radboud University Nijmegen University Medical Centre. He studied Medicine at Leiden University. He has a degree in Mechanical Engineering of the Delft University of Technology as well. He completed his specialty training Internal Medicine at Leiden University Medical Center, with a subspecialty of Old Age Medicine. His special interest is teaching, education and training of medical students and geriatric residents.
He is the “founding father” of GeriatriX, a serious game as aid in teaching medical students the complex medical reasoning in geriatric patients. Per 2014 he is acknowledged as Principal Lecturer in the Radboud University Nijmegen University Medical Centre.

Luursema (Jan-Maarten), PhD, researcher, Department of Surgery, Radboud University Medical Center, Nijmegen, The Netherlands

Jan-Maarten Luursema is a researcher working at the Radboud umc in Nijmegen, where he is responsible for the development of laparoscopic simulation training. His research interests include the role of individual differences in skill development, evidence-based training, and the role of damage in surgical performance assessment. His background is variegated, including a doctorate in psychology and a degree in medical illustration. Time permitted, he enjoys performing music and scuba diving.
Mert (Agali), MD PhD MHSc FS Lieutenant-Colonel, Physiatrist, co-head R&D, Military Rehabilitation Center, Department of Defence, The Netherlands

Agali Mert works as a physiatrist at the military rehabilitation center in Doorn. He is co-head of the R&D department and responsible for the implementation and creation of serious games and virtual environments for rehabilitation purposes. The research group has been awarded several prizes for the developed applications. He has written a book about serious games and this will be published during the summer of 2014.

Obdeijn (Miryam), MD, Plastic Surgeon, Academic Medical Center, Amsterdam, The Netherlands

Miryam Obdeijn studied Medicine at the University of Utrecht and started her training in General Surgery in the Rijnstate Hospital in Arnhem in 2000. After 3 years, she continued her training in Plastic Surgery at the University Hospital in Groningen. Since 2006 she is working as a Plastic Surgeon at the Academic Medical Center in Amsterdam, specializing in Hand and Wrist Surgery. At this moment she is finishing her thesis on the Education of Wrist Arthroscopy.

Miryam Obdeijn is the Secretary General of the Dutch Society for Surgery of the Hand.

Rethans (Jan-Joost), MD PhD, Director of Educational Programmes FHML, Faculty of Health, Medicine & Life Sciences, Maastricht University, The Netherlands

Jan-Joost Rethans worked 17 years part-time as a family physician and as a researcher (three years in Norway). He has a PhD using the methodology of incognito SPs, has been a member of the Board of Directors of the Association of Standardized Patient Educators (ASPE) and is first chair of the SP Committee of NVMO. He held positions as visiting professor at Gifu University and at Osaka Medical School Japan (2008). In 2010 he received the Outstanding Educator Award 2010 by ASPE and in 2013 he was awarded as the first Howard S Barrows invited presenter by ASPE. He is author/co-author of more than 70 international peer reviewed publications, most of which relate to SP methodology. Since December 2013 he holds the position as Director of Medical Education Programmes FHML, Maastricht University. Jan-Joost Rethans is married with the love of his life and is a proud father of 5 children.
Speakers and moderators

Reynolds (Karin), Manager Interactive Study Unit, Primary Care Clinical Sciences, University of Birmingham, United Kingdom

Karen Reynolds (nee Barry) is the Manager for the Interactive Studies Unit at the University of Birmingham, UK. Karen’s educational interests are working with simulated patients and integrating clinical communication teaching with clinical skills teaching. Karen is the Vice-President of Operations for ASPE (Association of Standardized/Simulated Patient Educators) for 2014-2015. She was also in the past Chair of ASPE’s International Committee. Through Karen’s interests in human simulation and her international perspective she has been serving on the Certification committee for the Society in Simulation in Healthcare (SSH). She is currently a reviewer for the C-HSE.

Schaafstal (Alma), PhD, Senior lecturer in serious gaming, University of Applied Sciences Windesheim, Zwolle, The Netherlands

Alma Schaafstal studied Psychology and Philosophy at the Groningen University and Manchester University (UK). After her graduation and one year as a visiting scientist at Carnegie-Mellon University (Pittsburgh, PA, USA), she joined TNO. With a focus on training and education, followed by a fascination for games and gaming. During that period she did many projects in many roles: as a researcher, project manager, account manager, as department head, including as Director of the Center for Advanced Gaming and Simulation and GATE. She worked as Director of the Taskforce Innovation Utrecht Region. Since 2012 she works as a senior lecturer in Serious Gaming at the University of Applied Sciences Windesheim and is Manager of the ICT training. Within the DSSH she responsible for the committee for Serious Gaming.

Schijven (Marlies), MD PhD, Surgeon, Department of Surgery, Academic Medical Center, Amsterdam and President of the Dutch Society for Simulation in Healthcare, The Netherlands

Academic Medical Center of Amsterdam, the Netherlands Past-President of the Dutch Society for Simulation in Healthcare. Dr. Marlies P. Schijven researches the field of mHealth, Simulation and Serious Gaming. On the 28th of October 2013; she was the first surgeon livestreaming an abdominal operation to YouTube using GoogleGlass. Dr. Schijven
Schout (Barbara), MD, PhD, AIOS Urologie, MC Alkmaar, The Netherlands

Barbara Schout is currently in the last part of her residency in Urology, in the Medical Center Alkmaar. She is also project leader of the team Training in Urology and supervises at the moment three PhD students within this project group. This group focuses on the development, evaluation and implementation of skills training and testing within urology. From 1998 to 2005 she studied medicine in Nijmegen. In 2009 she started her residency in urology. In the first two years she worked at the Catharina Hospital Eindhoven for the general surgery part of residency. In 2011 and 2012 she did the academic urology part of residency in the VU Medical Center. In 2010 she finished her PhD, cum laude, titled “Training in Urology: From Virtual to Reality”. She has always been specifically interested in medical education. Barbara is board member of the Young Urologists Committee (JUC), the Committee of Urology Courses (COC), and the Dutch Working Group Endourology, all part of the Dutch Association of Urology.

Schreuder (Henk), MD PhD, Gynaecologic oncologist, Department of Reproductive Medicine and Gynaecology, University Medical Center Utrecht, The Netherlands

In 2003 he completed his OBGYN training in Utrecht. He worked as a fellow at the Department of Gynaecologic Oncology in the Mercy Hospital for Women, Melbourne, Australia. Currently he is working as gynaecologic oncologist, Department of gynecological oncology, UMC Utrecht. Next to his clinical work, he is board member of the Dutch Society for Simulation In Healthcare (DSSH) and board member of the Dutch postgraduate education committee for Obstetrics and Gynecology (CCO). His interest in minimally invasive surgery and teaching were combined in the completion of this thesis in 2011 ‘Advances in Training for Laparoscopic and Robotic Surgery’. In 2012 he became Associate Professor in Medical Education at the University of Utrecht.
Speakers and moderators

*Seventer van (Jan-Pieter)*, Development Director, Dutch Game Garden, Utrecht, The Netherlands

JP van Seventer is development director at Dutch Game Garden (Utrecht, The Netherlands) where he directs the first dedicated game incubator-accelerator in Europe, arguably in the world. He lectures at the Faculty of Game Design, Utrecht School of the Arts and Technology (HKU; Utrecht, the Netherlands). He has over a decade of experience in entertainment game development on PC, PlayStation, Wii and mobile platforms in the disciplines of design, art and management as well as business development. He co-founded W!Games (ie: Mistbound, My horse and me, Atari) a predecessor to Vanguard Games and he has worked at Davilex Games (ie:KnightRider), Overloaded (ie:Fearfactor) and Lunagames (ie:Subway, Fearfactor) He’s a member of the Dutch Game Awards jury, an alumni member of the GATE game research board of advisory and frequently speaks at events on the subjects of improving the business of game development and the growth and status of the Dutch games industry. In recent years he has been a driving force behind several applied games and healthcare innovation projects (ie:Business Model Canvas the game bootcamp) as well as developing the professional version of the gamejam leading to game IP innovation. JP holds a bachelor degree in industrial design from the Design Academy Eindhoven and has studied Mechanical Engineering at Framingham State College, Massachusetts and Calvin College, Michigan USA.

*Smallenbroek (Bas)*, Member of the board at CIR and Co-owner at Red Jezelf, The Netherlands

Bas Smallenbroek knows healthcare from practice to policy. Starting his career as a physiotherapist he was project leader for amongst others the on-site physiotherapy project of truckbuilder Scania and is currently member of the board at rehabilitation center CIR. With newly founded company Red Jezelf, Bas focuses on developing Serious Games for enhancing self efficacy in health care. Underlying problems and beliefs are adressed to create maximum impact and lasting results. Co-creation with all stakeholders is essential in getting under the skin of whoever plays the game and to get them to translate their experiences into everyday life. www.red-jezelf.nl
Spain (Andrew), MA NCEE, Director of Accreditation and Certification Society for Simulation in Healthcare, USA

Andrew is the Director of Accreditation and Certification for the Society for Simulation in Healthcare. He has been a Paramedic for over 20 years, first in the Denver area, then Missouri, doing both ground and air ambulance work. This evolved into directing an EMS Education program for five years prior to coming to SSH. He has an MA in Political Science and is currently working on a PhD in Education at the University of Missouri (emphasis in Educational Leadership and Policy Analysis). He continues to be involved in healthcare education and simulation, primarily with the National Disaster Life Support programs.

Strauch (Uli), MD, Department of Anaesthesiology and Intensive Care Medicine, Maastricht University Medical Center, The Netherlands

Ulrich Strauch is Anesthesiologist/Intensivist and Medical Coordinator of the Mobile Intensive Care Unit (MICU) at Maastricht University Medical Centre+ (MUMC+).

Once a year all members of the MUMC+ MICU team are participating in a one day simulation based refresher course. Each group consists of ICU nurses and ICU physicians participating in MICU transports. Crew resource management, standard operating procedures, working within an ambulance environment and getting trained in rare but life threatening emergencies are the main topics of this training.

Taubert (Erich), MD, Functional & reconstructive Urologist at Slingeland Hospital & CMO, Co-founder Synappz Medical Apps, The Netherlands

I am a specialized urological surgeon working in the field of reconstructive, functional and oncological surgery. I have an interest in innovative medicine and management in healthcare. This was stimulated during my international experience that gave me the opportunity to compare entirely different healthcare systems. I saw strength were i didn’t expect it. This was specially true in my african work. Patients owning their healthcare data and their willingness to travel in order to find the best possible care boosted my motivation to change western healthcare for the better. Mobile healthcare enables patients and doctors to communicate. I saw that this technological revolution would change healthcare on a worldly scale. Africa has the
advantage of skipping to mobile and make use of this revolution. Tags: Doctor, Urologist, Strategic thinking, Health Car renovation, Compassion for care, Startup, Medical app development, eHealth, Health 2.0, Innovation, Social Media,

Tuijthof (Gabriëlle), Ir. PHD, Ass Prof, Department of BioMechanical Engineering, Delft University of Technology, The Netherlands

I am passionate about the human body; especially the musculoskeletal structures have my interest. I became involved in the field of minimally invasive surgery and interventions in orthopaedics (arthroscopy). Performing treatment through minimal access sites is beneficial for patients, but demands challenging surgical skills and enhanced diagnostic tools. In addition to the development of new surgical instruments to optimize orthopaedic healthcare, I also focus on optimization of skills training by the development of training environments that objectively can track performance and training progress.

Vanhommerig (Evelyn), researcher Simulation and Education, Thomas More Healthcare, Turnhout, Belgium

Evelyn Vanhommerig (1985) studied Pharmacy at Utrecht University. She decided to stay in Belgium after finishing her master thesis at the Institute of Tropical Medicine in Antwerp. After working at a research lab at Antwerp University, and having to organise practicals for medicine students, she discovered her passion for education. At the Thomas More college she could combine this with research, and has been working on the project on simulation since, whilst studying for a degree in teaching.

Vollebergh (Maarten), MD PhD Candidate and Registrar Department of Anesthesiology, Academic Medical Center, Amsterdam, The Netherlands

Maarten Frank Vollebergh was born at the 23th of February in the city of IJMuiden in the Netherlands. At the age of 18 he moved to Amsterdam to start at the medical school of the VU. During his interns he became more interested in physiology, intensive care and anestesiology. In 2013 he finished his medical school and in april of that year he started as an anesthesiologist resident at the Aademic Medical Centre of Amsterdam (AMC). Besides his work as an anesthesiologist resident, he loves to
windsurf and to do other sports. He used to be a windsurf instructor and so he’s very interested in the learning process. In the field of anesthesiology he’s working on a serious game to improve the learning process of the anesthesiology resident.

Wolters (Marianne), Ir, lecturer communication pharmacy, Department of Pharmacy, University of Utrecht, The Netherlands

Since 2001 Majanne Wolters is working as a university teacher at the pharmacy department in the field of oral communication training and assessment. She is also responsible for the development and implementation of the communication training and assessment in the pharmacy curriculum. Since last year she is involved in a serious gaming project of Utrecht University. During her study Molecular Science at Wageningen University (1989) she specialized in education and counseling especially in oral communication training. After that she worked for different organizations, mainly as a communication skills trainer.
Innovation area and Exposition Center
Come and experience the latest developments. The DSSH offers young innovators / startups the opportunity to showcase and reflect on their ideas at the Innovation Center. The large Exposition provides a selection of simulation companies, serious and applied gaming companies and institutes / initiatives focusing on training the medical professional.

Wifi
In the UMC Utrecht is free wifi available. Please select ‘umc gasten’ and accept the terms and conditions.

Parallel session
There is one parallel session in the morning. You can find the Maliebaan/Domzaal on the ground level. Take the stairs from the expo center and turn right (follow the signs)
The UMC Utrecht is a nationally and internationally renowned institute. In co-operation with our regional, national and international partners, we work on solutions for major medical problems and have dedicated ourselves to accessible acute care, second opinion and select, highly specialized functions.

With over 1,100 beds the University Medical Center Utrecht is one of the largest academic centers in the Netherlands. Patient care and biomedical research are closely linked, which creates an environment where scientific advancements quickly move from bench to bedside. Advancements that improve patients’ lives and that matter internationally.

The University Medical Center Utrecht is one of the largest public healthcare institution in the Netherlands, consisting of:

- AZU (Academic Hospital Utrecht)
- WKZ (Wilhelmina Children’s Hospital)
- MFU (Medical Faculty Utrecht)

With more than 11,000 employees, it is constantly building on the provision of good healthcare services, based on the right people and knowledge. Healthcare cannot improve without new knowledge about disease and well-being and patients will not receive better healthcare without people who can generate, apply and share this knowledge.

UMC Utrecht’s core activities are therefore:

- To provide state-of-the-art healthcare that requires special knowledge and expertise
- To carry out cutting-edge scientific research
- To offer excellent healthcare programmes and training to students, doctors, researchers and other healthcare providers

The UMC Utrecht can be followed via: [www.umcutrecht.nl](http://www.umcutrecht.nl)
DID YOU KNOW THAT

- we perform 23,172 operations a year?
- there were 337,000 outpatient visits in 2010?
- 192 PhDs were granted in the UMC Utrecht in 2011?
- there are 175 surveillance cameras in the UMC Utrecht?
- patients are admitted in the UMC Utrecht for an average of 7.0 days?
- between 15,000 and 19,000 visitors (excluding employees) come to the UMC Utrecht each day?
- 820,000 meals were served in 2011?
- the UMC Utrecht has 11,300 employees?
- the highest point of the UMC Utrecht is 59 metres high? It is the chimney of the power station.
- there are steps to walk rapidly in the tunnel from the WKZ location to the AZU location and vice versa?
- 2053 IV pumps are used in the UMC Utrecht?
- there is a wishing well at the main entrance of the UMC Utrecht?
- approximately 11,000 faucets have been installed in the UMC Utrecht?
Accreditation: Accreditation has been requested for medical practitioners with a Continuing Professional Development (CPD) obligation at ADAP (paramedics) and NVAM (anesthesiology assistants). 6 points have been appointed for ABAN (medical specialists) and LVO (OR assistants).

Registration: DSSH membership is not required to register. Only DSSH members who have paid their DSSH membership dues are eligible for registering at member rates for the Congress. You may register online* for the Congress via: http://www.dssh.nl

The Congress registration desk will be open 19th of March 2014 at 08:30 CET+1 for on-site registration and Congress badge pick-up.

Congress Registration Fees (catering included):
€ 15.- DSSH Student Members -must be able to show Student-ID at registration desk
€ 95.- DSSH Members Category Medical Residents and Paramedics
€ 155.- DSSH Members
€ 40.- non-DSSH Students -must be able to show Student-ID at registration desk
€ 185.- non-DSSH Members Category Medical Residents and Paramedics
€ 245.- non-DSSH Members

Not a DSSH Member? Something worth considering! Enjoy a substantial reduction on the registration fee, and many other benefits for only € 50.- per year (standard membership). Students may join the DSSH for only € 20.- !
Visit our website http://www.dssh.nl for more information
* Our cancellation policy: please visit the DSSH website for regulations

Congress Venue: University Medical Center Utrecht (UMCU) in Utrecht, the Netherlands. Address: Heidelberglaan 100, 3584 CX Utrecht, NL. You may visit the hospital website for directions: http://www.umcutrecht.nl

Congress Agency: Congress & Meeting Services Holland
Postal Box 957 5600 AZ Eindhoven NL
Tel: +31 40 2132222 / Fax: +31 40 2134010
Email: info@congressservice.nl
* Our cancellation policy: please visit the DSSH website for regulations