

# MED1stMR Final Conference Program

Campus Vesta  
Oostmalsesteenweg 75, 2520 Ranst, Belgium

April 17 & 18, 2024

Explore the Future of Medical First Responder Training

Join the free 2-day event to learn more about training in mixed reality and beyond!



## About MED1stMR

- EU Horizon 2020 initiative
- Cutting-edge mixed reality technology
- Real-world medical simulation manikins integrated with virtual environments
- AI-based performance measurement & intelligent scenario control
- Aims to effectively train medical first responders to handle the challenges of mass casualty incidents



**MED1stMR**  
Mixed Reality Training

Having dedicated three years of extensive research and development, including rigorous field trials involving six medical first responder organisations, we are delighted to present our findings. Join us as we share comprehensive insights into the realm of mixed reality medical first responder training and explore the promising horizons that lie ahead. More details: [www.med1stmr.eu](http://www.med1stmr.eu)

## MED1STMR - FINAL CONFERENCE

**DAY 1**

17. APRIL 2024 | 10:00-18:00 + NETWORKING DINNER

**10:00** **Start of the Conference****10:05** **Welcome Words***Pieter Van Turnhout, CEO of Campus Vesta, BE***10:10** **Opening Keynote***Minister Jan De Haes, Provincie Antwerpen, BE***10:20** **MED1stMR - A Journey through Mixed Reality Training for Medical First Responders - overview of the project***Helmut Schrom-Feiertag, Project Coordinator, AIT - Austrian Institute of Technology, Center for Technology Experience, AT***11:00** **Resilience through Interoperability***Douglas Stirling, SMARTEU, UK  
(Scottish Multi-Agency Resilience Training & Exercise Unit)***11:30** **Large Scale Exercises and the Role of Digital Training***Harm Bastian Harms, Sen. Advisor EU Civil Protection Mechanism, EU MODEX Exercise Director for medical and USAR Module, DE***12:00** **Lunch Break & Experience Fair****13:30** **MED1stMR Technology Insights - Going beyond Virtual Reality***Ronny Tobler, Refense AG, CH  
Dervis Demirtas, Medical-X D2D, NL  
Katrin Mrotzeck, Plux Biosignals, PT***14:30** **MED1stMR Scientific Research & Results***Prof. Dr. Cornelia Wrzus, University of Heidelberg, DE  
Dr. Juliane Kämmer, University of Bern, Inselspital, CH  
Prof. Dr. Marie Ottilie Frenkel, Hochschule Furtwangen, DE***15:30** **Coffee Break & Experience Fair****16:00** **Is Mixed Reality Killing Live Training?****End User Point of View on the MED1stMR project***Dr. Daniela Weismeyer-Sammer, Johanniter Research Austria, AT  
Col. Dirk Broeckx, Campus Vesta, BE  
Dr. med. Stefan Mohr, University Hospital Heidelberg, DE***17:00** **Panel Discussion: Training in XR - The Future of Bluelight Training?****Moderator:***Prof. Dr. med. Thomas Sauter, Emergency Telemedicine, Inselspital, CH***Panelists:***Christian Manshen (aka Samy Splint), RetterView/Johanniter DE  
Dr. Benni Zaiser, PhD, Scientist & Crisis Intervention Team Officer Police  
Ulrica Jönsson, Clinical Skills & Simulator Center Region Jämtland Härjedalen, SE  
Col. Dirk Broeckx, Campus Vesta, BE***18:00** **Closing Words & Start of the Networking Dinner & Experience Fair****20:00** **Shuttles to Hotels****Free Try-Outs**

Test the MED1stMR system yourself - do triage for a mass casualty incident in the mixed reality - no experience needed. Please indicate your interest during registration

**Experience Fair**

During the conference, you can visit stands from the MED1stMR project partners showing their approaches for medical training within and beyond MED1stMR.

**Green Manikin**

Training within augmented reality & green screen technology is another project result - test this prototype yourself - first come first serve directly on-site



med1stmr@usecon.com

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# DAY 2

18. APRIL 2024 | 9:00-15:00

Don't miss the opportunity to learn about the future of medical training, and meet over 100 people in the medical first responder context from all over Europe,  
*Helmut Schrom-Feiertag, Project Coordinator*



- 9:00 Start of Conference Day 2 & Welcome Words**  
*Wendy Van den Branden, Director of EU Projects Campus VESTA*
- 9:10 EU Research and Policies in Support of Disaster Emergencies: Intersectoral and Multidisciplinary Community-Building to enhance Science-Policy and Practitioners Interactions**  
*Dr. Philippe Quevauviller, Policy & Research DG Home, BE*
- 9:30 The Green Manikin or how Hollywood Greenscreens can Change Training for Medical First Responders**  
*Jakob Carl Uhl, AIT, Center for Technology Experience, AT*
- 10:00 Analysing Training Data – AI Tools to Support the Trainer**  
*Daniel García Guirao, IDENER.AI, ES*
- 10:30 Coffee Break & Experience Fair**
- 11:00 Virtual Assets in Virtual Worlds**  
*Dr. Sebastian Egger-Lampf, MINDCONSOLE, AT*
- 11:20 MED1stMR Training Framework and 5 Steps to Start with**  
*Dr. Lina Gyllencreutz, UMEA University, SE*  
*Birgit Harthum, USECON - The Usability Consultants GmbH, AT*
- 11:40 Preparing for Pressure: Didactical Guidelines for Operational VR Training**  
*Dr. Lisanne Kleygrewe, Vrije Universiteit Amsterdam, NL*
- 12:00 Lunch Break & Experience Fair**
- Workshops - select one at registration on site**
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| <p><b>Workshop A</b><br/>The Future of Training<br/><i>What comes next?</i><br/><b>13:15</b> <i>What are your needs?</i></p> <p><i>Helmut Schrom-Feiertag, AIT</i><br/><b>Room Aula</b></p> | <p><b>Workshop B</b><br/>Decision making under uncertainty-<br/><i>Frame and script analysis of high-stress scenarios in blue light (medical/police/firefighter) contexts</i></p> <p><i>Sandra Pilcher, DCNA Österreich</i><br/><i>Dr. Benni Zaiser, Scientist</i><br/><i>Prof. Dr. Marie Ottilie Frenkel, HFU</i><br/><b>Multipurpose room</b></p> | <p><b>Workshop C</b><br/>XR Training in your organisation<br/><i>What does the organisation need to start?</i></p> <p><i>Dr. Lina Gyllencreutz, UMEA University</i><br/><i>Birgit Harthum, USECON</i><br/><b>Room 3rd Floor</b></p> |
|---|---|---|
- 14:30 Wrap up of the workshops**
- 14:45 Closing Words & Farewell**  
*Helmut Schrom-Feiertag, AIT - Austrian Institute of Technology, Center for Technology Experience, AT*
- 15:00 End of the Conference**

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## PRACTICAL INFORMATION

### 1. Participation and registration

[Please register by clicking here.](#)

Participation in the conference is free of charge (including coffee breaks, lunches, and the networking reception dinner). Hotel and travel need to be arranged and paid for by yourself. Places are limited, so make sure to send your registration soon. The registration is not a confirmation, but you will receive information on the capacity from us within 4 working days. After confirmation by us, you can book your hotel.

### 2. Try out sessions

During registration, please insert your interest in a try-out session of the system – We will assign available slots after registration, and we will inform you about the timing.

### 3. Hotel & shuttle from the hotel

We recommend the following 2 hotels for our conference participants (approx. 12-15 km from the conference venue). A free shuttle service is provided from these hotels to get to and from the conference location:

**Best Western Plus Hotel Aldhem** - 95 €  
[Jagersdreef 1, 2280 Grobbendonk](#)  
[info@aldhem.be](mailto:info@aldhem.be)

**B-INN Hotel** - 115 €  
[Aarschotsesteenweg, 2500 Lier](#)  
[info@b-inn-lier.be](mailto:info@b-inn-lier.be)

After you receive the participation confirmation from us, please book your stay at the hotel by sending a reservation e-mail to [info@aldhem.be](mailto:info@aldhem.be) or [info@b-inn-lier.be](mailto:info@b-inn-lier.be). Please don't forget to specify the dates of your stay, name(s), number of guests and needed rooms. Please mention "Campus VESTA – MED1stMR Final Conference" in your reservation e-mail to facilitate the organisation.

You can also choose any other hotel to stay and travel either directly to the conference venue or still use the shuttle from the two hotels above.

### 4. Travel/transport to the hotel

If you arrive by plane at **Brussels Airport** or by train at **Brussel-Midi/South**, the easiest way to get there is to then take the train to **Lier** (if you stay in the B-INN) or **Herentals** (if you stay in the Aldhem).

If you are interested in the shuttle options, please include this at registration or contact us directly

### 5. Parking at conference location

If you come by car, there is free parking available at Campus Vesta  
Address: [Oostmalsesteenweg 75, 2520 Ranst](#)

### 6. Contact

If you have questions, don't hesitate to contact Birgit Harthum at [med1stmr@usecon.com](mailto:med1stmr@usecon.com)  
More details: [www.med1stmr.eu](http://www.med1stmr.eu)



TECHNOLOGY



USER



RESEARCH

19 European partners developed a mixed reality training solution for medical first responders including a virtual reality environment for mass casualty incident scenarios, an integrated patient simulation manikin, stress measurement devices and a backend with AI-based scenario control options for the trainer. Over 200 first responders from all over Europe trained with the system and gave feedback how to better prepare for high-stress mass casualty incidents. Research partners investigated stress as a training factor, group behavior, technology acceptance and many other factors to develop the MED1stMR mixed reality training solution.