THE FIRST ODIN NEWSLETTER IS RELEASED!

Dear reader, welcome to the ODIN Newsletter, in its first volume! In this first edition, we would like to report on our second Plenary Meeting, which took place in hybrid form in Madrid. We also present the webinars held so far and briefly preview the next webinar in 2022. Furthermore, we would like to announce our first Open Call!

Plenary Meeting:

The second plenary meeting took place on the 24th – 25th of November 2021 at the Universidad Europea de Madrid. Around 50 people were participating, of which about half of the participants were there in person. The consortium met in order to give a mutual update and also to evaluate and further develop core topics of ODIN. The first day of the meeting was primarily dedicated to the pilots. The technical requirements for the hospitals have been discussed as well as a more detailed definition of the use cases and the technologies. The strategies for dissemination and communication and a vision for the ODIN business plan were presented on the second day. A workshop on Stakeholder mapping and one for doing a PESTLE analysis were held, and finally, the workplans of the single work packages for the upcoming half a year were presented. A wrap-up session concluded the meeting.
Robots have been used in the healthcare sector for some time, essentially operating behind the scenes. In recent years, AI-based data science and analytics have transformed healthcare robotics, expanding their physical capabilities and range of applications. Therefore, integrated robotics, applied to the healthcare scenario, is now transforming how medical practices are performed, automatizing and optimizing supply delivery and disinfection, and freeing up time for practitioners to socially engage with patients. Healthcare robotics enable a high level of patient care, efficient processes in clinical settings, and a safe environment for both patients and health workers.

Webinar #1 – Integrated Robotics

The first official #ODINWebinar took place on 23th July 2021 and was a great success. It was a pleasure to have the following leaders in medical robotics as speakers.

- Paolo Dario (SSSA, Italy)
- Gastone Ciuti (SSSA, Italy)
- Marta Millet (Robotnik Automation, Spain)
- Francesco Ferro (Pal Robotics, Spain)

The session in a nutshell: Integrated Robotics transforming the healthcare scenario.

Watch our first session on YouTube: https://www.youtube.com/watch?v=-befLCObsI1
How will surgeons operate in the future? The future OR, as an intelligent environment, will be equipped with sensors, robots and AI; it will proactively react to the needs of surgeons and patients, allowing healthcare professionals to fully understand and cope with the situation, consequently improving the healthcare outcomes.

Webinar #2 – Operating Room of the future: Artificial Intelligence, Robotics and emerging innovations

The second #ODINWebinar took place on 28th October 2021 conveying a great audience.

During this session we had the opportunity to hear from Medtronic experts, one of the world’s largest medical technology, services and solutions companies with the aim of relieving pain, restoring health and extending the lives of millions of people.

It was a pleasure to had the participation of the following panelists, who discussed about the challenges that ORs management facing, the main innovations currently in use in the sector, and the novelties that are expected in the coming years.

Germán Gutiérrez (Medtronic, Spain)  
María Mateo (Medtronic, Spain)  
Andrés Martorelli (Medtronic, Spain)  
María Ruiz (Medtronic, Spain)

The session in a nutshell: Operating Room of the future: Artificial Intelligence, Robotics and emerging innovations.

Watch our second session on YouTube:  
https://www.youtube.com/watch?v=3yYA6TW4Xzs&feature=emb_imp_woyt
The third and last #ODINWebinar for 2021 took place on 9th December! It was a pleasure to have the following experts discuss the main current innovations in the sector of Rehabilitation and Assistive Robots, and the novelties expected in the coming years.

Webinar #3 - Rehabilitation and Assistive Robots: Past, Present and Future

From medical robots to healthcare assistants and intelligent machines replacing or supporting human functions in the hospital. Robots and humans are getting closer and closer, collaborate and interact physically and cognitively. Thanks to the AI and sensors, next generation of robots in the hospital will be able to learn, reason, take decisions and change their behavior in complete user-tailored and human-centric perspective.

Just follow this link to register and receive further instructions.

The session in a nutshell: Rehabilitation and Assistive Robots: Past, Present and Future

Loredana Zollo
(University Campus Bio-Medico di Roma, Italy)

Michelle J. Johnson
(University of Pennsylvania, USA)

Yasuhiro Hirata
(Tohoku University, Japan)

Konstantinos Votis
(CERTH, Greece)

Third session on YouTube coming soon!
Webinar #4 – Coming up

Our upcoming and first session in 2022 will focus on “Improving Health Processes with Deep Learning.” Experts will discuss how doctors will benefit from digital transformation in the future, as AI and Deep Learning become an integral part of every healthcare professional’s digital capabilities and are integrated into diagnosis, prognosis, and treatment workflows.

The exact date of the session will be announced soon! So, stay tuned!

Open Call:

Text

Keywords:

In order to deploy new Use Cases, two Open Calls are going to be published. They will ensure the complete integration of novel technologies and the enlarging of the local innovation ecosystems.

Through the open call partnership-oriented creative approaches between different parties involved in the supply side exchange of new business opportunities will be promoted. Additionally, the supply side will propose, design, share methodologies and match the demand requirements, und thus evolve and improv the offer catalogue. It will promote the innovation path of ODIN, focused on driving user’s innovations towards sustainability.

Links:

https://odin-smarthospitals.eu/
https://twitter.com/ODIN_H2020
https://www.linkedin.com/in/odin-project-9bba90213/
https://www.youtube.com/channel/UCqLpDcUR8FmdaEHY-KAVQrA