

Facilitated by: RRSP Industries Inc. | New York City



ADVANCING HEALTHCARE THROUGH INNOVATIVE TECHNOLOGIES

Bridging Industry Languages

Date: May 24th, 2024

Time: 9:00 - 13:00

Location: Invasive Medicine Center, Kieturakisa Lecture Hall
Smoluchowskiego 17, 80-214 Gdańsk, Poland

Email: healthtech@gumed.edu.pl



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Mission

This workshop brings together experts from various fields to explore the potential contributions of their domains to healthcare innovation. The purpose of this event is to encourage dialogue, foster collaboration between different disciplines, and discuss ways collaboration between them can be improved to stimulate and accelerate trustworthy, high-impact healthcare innovation.

Vision

Bringing cutting-edge AI-enabled technology innovation in healthcare to better the human condition. This requires a close collaboration between multiple disciplines, including Healthcare, Medical Science, Biochemistry and Bioengineering, Mathematical and Quantum Science, AI and Data Analytics, and manufacturing, as well as Business and Finance. While each of these disciplines has its own language, priorities, and culture, such a collaboration equips physicians, and other healthcare professionals, with critical and emerging technologies to improve the delivery and quality of care.

Background & Purpose

Patient diagnosis and care is limited by the information you are able to collect about the patient. The ability to gather as much information around the patient and the patient's condition provides a better understanding of the diagnosis and its cause. The patient's environment, genetics, lifestyle, current and past chronic diseases, surgery's, current and previous medications, all lead to provide a better understanding of the patient and their needs.

Due to the evolving state of healthcare, multiple health professionals may be involved in the patient's care making it more difficult to coordinate care. The inability to gather the necessary information from the patient may include the design and infrastructure of the healthcare system, global and local crises, emotional distress, language, and more. The patient's condition is continuously evolving due to the combination of many of the factors previously described. Treatment efforts and outcome can improve by enhancing the availability of information available related to the evolution of the disease process and to healthcare professionals and patients alike.

Innovative technologies offer an opportunity to capture previously unobtainable information acting as an exoskeleton to the healthcare system and physicians themselves. The healthcare industry has become saturated with new technologies and "single-point" solutions, making it difficult to measure the cost and efficacy against the quality of care. Cultural barriers around the adoption of new technologies introduce hurdles in the adoption of new innovation. Healthcare stakeholders around the patient such as governments, administration, medical device and pharmaceutical companies, doctors and ems; recognize the need to work together to improve the delivery of care. We are on the horizon of emerging medical innovations which will transform the way we deliver care. Collaborating to intelligently distribute and deploy technologies and systems to improve the delivery and quality of care, prove vital to maintain system health. Bridging the language of specialists such as data scientists, physicists, biochemists, industry specialists, information science, and healthcare professionals themselves creates a pathway for intelligent design.

The purpose of this workshop is to bring together experts in these areas to discuss and describe ways in which we can use innovative technologies to better the collaboration between them to advance healthcare.

CROSS-CUTTING TOPIC

The topics for these discussions will be led by experts in cyber-physical systems, AI, Quantum Physics, Biochemistry, industry, physicians and emergency medicine. In order to explore and understand how to bridge the gap between science, industry, and healthcare for intelligent development and deployment of critical emerging technologies.

SESSION TOPICS

1. Integration of Medical Professionals in Design and Development.
2. AI in Medicine.
3. Personalized Medicine.
4. Applications for Physics in Medicine.
5. Bio-printing in Medicine.
6. Business Case in Health Innovation.
7. Benefits of the Internet of Things (IoT) for patients and healthcare professionals.
8. Healthcare as a Federated Entity.

OBJECTIVES

1. To share competencies across different industries to tackle complex challenges and drive innovation.
2. Gain new insight and understanding to provide higher impact in technology innovation.
3. Identify new methods and approaches to aligning impact in innovation and how it can be leveraged transversally across different industries, and healthcare needs.
4. Identify gaps in current collaborative models and discuss how we can improve them.
5. Learning how to align research, projects and innovation to improve patient health, healthcare system infrastructure, and economic vitality and align all stakeholders interests.

REGISTRATION

- 1) Register [HERE](#) for the workshop, in-person or virtual.
- 2) Workshop recording, materials, and presentations will be sent to all participants either in-person or virtual.
- 3) No cost for registration.

Register

Learn More

WHO SHOULD ATTEND?

This workshop is meant to bring together professionals from all disciplines, and stakeholders from business leaders, legislatures, researchers, physicians, scientists, all healthcare professionals, administrators and students. To identify how we can collaborate together to improve healthcare innovation and align all stakeholder interests.

WORKSHOP REPORT & REPLAY

Workshop materials will be provided during the workshop and sent via email to those who registered either for *in-person* or *virtual*. If interested in specific materials, requests, or follow-up conferences/events please contact any of the listed organizers or email to healthtech@gumed.edu.pl.