CAE Healthcare announces Microsoft HoloLens 2 applications for emergency care, ultrasound and childbirth simulators

- CAE AresAR to offer a dynamic, holographic view into the human body during an emergency scenario
- CAE LucinaAR and CAE VimedixAR will feature interactive childbirth and cardiac scenarios with augmented reality
- CAE's Microsoft HoloLens 2 applications will be on display at the International Meeting on Simulation in Healthcare (IMSH) in San Diego, USA

Montreal, Canada and San Diego, USA, January 17, 2020 – CAE Healthcare announces the release of its first training applications for Microsoft HoloLens 2, which will integrate holographic, modeled physiology into its patient simulators. The mixed reality applications will accelerate learning by displaying 3D, interactive cardiac, respiratory and circulatory systems that will allow learners to envision human anatomy.

"CAE Healthcare is committed to developing new training platforms that engage learners and improve competency and retention of knowledge as they adapt to fast-paced clinical environments," said Rekha Ranganathan, President of CAE Healthcare. "Our newest applications for Microsoft HoloLens 2 will offer both instructors and learners a training edge as they quickly comprehend physiological responses to trauma and medical interventions."

"We're thrilled to continue our partnership with CAE, a pioneer in using mixed reality to transform learning in the healthcare industry," said Matt Fleckenstein, Head of Mixed Reality Marketing at Microsoft. "HoloLens 2, combined with cloud services of Microsoft Azure, enable CAE to deliver 3D training and simulation environments that dramatically improve the learning experience. This is the future of healthcare education."

Built to run on Microsoft's recently released HoloLens 2, the next generation of its wearable holographic computer, CAE augmented reality applications will offer standalone, virtual patients for pre-briefing or interdisciplinary team training with CAE Healthcare patient simulators. HoloLens 2 enables instinctual interactions using AI to track people's hand motions and eye gaze so that they can perceive a hologram floating in front of them and reach out to resize it or reposition it. As a result, HoloLens applications help people to interact with people, places, and things in natural ways. CAE AresAR, for example, will enable learners to interact in six realistic emergency scenarios: Myocardial Infarction; Pulmonary Embolism; Tension Pneumothorax with Internal Bleeding; Ischemic Cerebral Vascular Accident (CVA) or Stroke; Closed Head Injury and Sepsis.

CAE Healthcare's mission is to make healthcare safer by improving patient safety and outcomes. The company has achieved a number of "firsts" in simulation technology, such as the first ultrasound and childbirth applications for HoloLens 1, and the award-winning Anesthesia SimSTAT, a screen-based

simulation platform for Maintenance of Certification in Anesthesia (MOCA). Anesthesia SimSTAT is hosted and managed on the Microsoft Azure platform.

To learn more about CAE's applications for HoloLens 2, Anesthesia SimSTAT or CAE Healthcare at IMSH 2020, visit https://www.cae.com/news-events/events/international-meeting-on-simulation-in-healthcare-imsh-2020 or follow us on LinkedIn or Twitter @caehealthcare

About CAE Healthcare

CAE Healthcare offers integrated education and training solutions to healthcare students and clinical professionals across the professional life cycle, allowing them to develop practical experience in simulated environments before treating patients. CAE Healthcare's full spectrum of simulation solutions includes surgical and imaging simulation, curriculum, the CAE LearningSpace audiovisual and center management platform and highly realistic adult, pediatric and baby patient simulators. Today, hospitals, medical schools, nursing schools, defence forces and societies in more than 80 countries use our training solutions to make healthcare safer. cae.com/healthcare

About CAE

CAE is a global leader in training for the civil aviation, defence and security, and healthcare markets. Backed by a record of more than 70 years of industry firsts, we continue to help define global training standards with our innovative virtual-to-live training solutions to make flying safer, maintain defence force readiness and enhance patient safety. We have the broadest global presence in the industry, with over 10,000 employees, 160 sites and training locations in over 35 countries. Each year, we train more than 220,000 civil and defence crewmembers, including more than 135,000 pilots, and thousands of healthcare professionals worldwide. www.cae.com
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