

FLORIDA SIMULATION SUMMIT

TRANSFORMING
HEALTHCARE
THROUGH

INTELLIGENT TECHNOLOGIES



THE NATIONAL CENTER
FOR SIMULATION



Greetings,

I am thrilled to welcome you to the 2024 Florida Simulation Summit!

Today we bring together visionary leaders, pioneering researchers, and innovative practitioners who are at the forefront of using simulation and AI to drive transformative change in healthcare. Now in its ninth year, we are proud to focus our summit on “Transforming Healthcare Through Intelligent Technologies,” a theme that reflects the growing importance of modeling, simulation, and AI in improving patient outcomes, enhancing healthcare delivery, and accelerating the adoption of cutting-edge technologies in medical settings.



I want to thank the National Center for Simulation for their ongoing partnership and our host sponsors, Duke Energy, Full Sail, and Orlando Health. This year, we have expanded our partnership to include our neighboring counties, Seminole and Osceola. Through this collaboration, we aim to share best practices and foster greater innovation improving patient care across the region.

The National Center for Simulation’s dedication to the Modeling, Simulation, and Training (MS&T) industry has been instrumental in positioning our region as a hub for innovation and excellence. The \$6 billion MS&T industry at UCF Research Park enhances our defense capabilities and transforms healthcare, life sciences, sports, gaming, hospitality, and engineering. Its impact extends beyond financial statistics, as it serves as a catalyst for technological advancements and fosters collaboration among academia, government, and private sectors.

Whether you are a seasoned simulation expert or new to the field, the Florida Simulation Summit offers valuable insights and opportunities to connect professionals with a passion for leveraging technology to transform healthcare. The summit will feature engaging panel discussions and interactive demonstrations to showcase the latest advancements in simulation and in medical settings.

Once again, welcome to the 2024 Florida Simulation Summit. I wish you all the best for a successful summit!

Sincerely,

A handwritten signature in blue ink that reads "Jerry L. Demings". The signature is fluid and cursive, with the first name being the most prominent.

Jerry L. Demings
Orange County Mayor



Agenda

7:30 to 9 a.m. | Registration, Breakfast and Exhibitions

OPENING REMARKS

Valerie Boey Ramsey, CEO, VBR Ink

WELCOME

George Cheros, CEO, National Center for Simulation

MORNING KEYNOTE

Leading Change: How to Stoke Curiosity and Joy in Healthcare AI Transformation

Rob Purinton, VP of Analytics and Performance Improvement, AdventHealth

AI Advancements in Healthcare

Deborah German, M.D., Vice President UCF Health Affairs and Dean, College of Medicine

Ivan Garibay, Ph.D., Director, Complex Adaptive Systems Laboratory and
Master of Science in Data Analytics programs, UCF

Steven Latré, Ph.D., VP R&D Machine Learning and AI, imec

Roger Smith, Ph.D., President, Modelbenders LLC

Dr. Chris Bailey, Chief Development Officer, Twin Cities Orthopedics

The Next Frontier of Human Health and Performance

Tommy Shavers, DM, CEO, NESTRE Health and Performance

MAYOR REMARKS

The Honorable Mayor Jerry L. Demings, Orange County Government

Noon to 1 p.m. | Lunch and Exhibitions

1 to 2:15 p.m. | Afternoon Session

AFTERNOON REMARKS

Don Fisher, Osceola County Manager

Commissioner Andria Herr, Vice Chair, Seminole County

AFTERNOON KEYNOTE

Improving Patient and Provider Outcomes Through Simulation, Training, and Education

Jude Tomasello, Program Manager for Medical Simulation and Training, Defense Health Agency

Gamified Training and Simulation to Support Dexterity and Mobility

Albert Manero, Ph.D, Executive Director, Limbitless Solutions

Peter Smith, Ph.D, Head of Game Development and Training, Limbitless Solutions

Ultimate Experience Tour Introduction

Carlos Carrasco, President, Orlando Health Jewett Orthopedic Institute

CLOSING REMARKS

George Cheros, CEO, National Center for Simulation

2:15 to 5 p.m. | Ultimate Experience Tour by Orlando Health Jewett Orthopedic Institute

Limited capacity, RSVP required



BEVERLY SEAY
Chair: Florida Simulation Summit

Beverly is the southeast regional director for the National Security Innovation Network in the U.S. Department of Defense and chair of the Florida Simulation Summit. She works to increase awareness of modeling & simulation technologies and their applications.



GEORGE CHEROS
Co-Host: Florida Simulation Summit

George is president & CEO of the National Center for Simulation. He leads the execution of the organization's mission to promote the growth of the modeling & simulation industry and support public policies that aid in the development and growth of the industry.



VALERIE BOEY RAMSEY
Emcee: Florida Simulation Summit

Valerie is CEO of VBR Ink and an award-winning journalist. She is president of the Asian American Journalists Association Florida Chapter and has been honored in the Congressional Record for her leadership during AAPI Heritage Month.



ROB PURINTON
Keynote Speaker: Leading Change: How to Stoke Curiosity and Joy in Healthcare AI Transformation

Rob is AdventHealth's vice president of Clinical Analytics and Performance Improvement. He leads the development of advanced clinical analytics, data literacy, and Lean Transformation and leads the health system's Clinical A.I. Advisory Board.



DEBORAH GERMAN, M.D.
Moderator: AI Advancement in Healthcare

Deborah is vice president of UCF Health Affairs and founding dean of UCF College of Medicine. She has led its growth to include a medical campus, UCF Lake Nona Hospital, UCF Lake Nona Cancer Center and the multi-specialty Academic Health Sciences Center.



IVAN GARIBAY, PH.D.
Panelist: AI Advancement in Healthcare

Ivan is the director of the Complex Adaptive Systems Laboratory and Master of Science in Data Analytics programs at UCF. His expertise includes innovation and information diffusion, agent-based models, computational social science, information and misinformation on social media, artificial intelligence, and machine learning.



STEVEN LATRÉ, PH.D.
Panelist: AI Advancement in Healthcare

Steven is vice president of R&D Machine Learning and AI at imec, the R&D hub for nano-electronics and digital technologies. He uses his expertise to lead an interdisciplinary team that combines sensor and chip technology with AI to provide end-to-end solutions.



ROGER SMITH, PH.D.
Panelist: AI Advancement in Healthcare

Roger has over 30 years of experience creating cutting-edge devices and systems for healthcare, defense and intelligence applications. He is a consultant to multiple healthcare companies and a professor of education at the UCF College of Medicine.



CHRIS BAILEY, DPT

Panelist: AI Advancement in Healthcare

Chris is chief development officer at Twin Cities Orthopedics. He blends his clinical experience with business acumen to focus on outpatient orthopedics, with a special interest in the rehabilitation of shoulder and knee injuries and pathology.



TOMMY SHAVERS, DM.

Speaker: The Next Frontier of Human Health and Performance

Tommy is the founder and CEO of NESTRE™ Health & Performance. His focus is on using neuroplasticity and AI/machine learning to successfully apply a proprietary training method in the areas of brain health, mental wellness, and cognitive performance.



DON FISHER

County Co-Host: Florida Simulation Summit

Don is the county manager of Osceola County, one of the nation's fastest-growing counties. He has overseen its economic transformation to one that reflects managed growth and a diverse economic profile incorporating manufacturing, distribution, and high-impact technology.



ANDRIA HERR

County Co-Host: Florida Simulation Summit

Andria serves as the commissioner of Seminole County's 5th District. A strong advocate for public education and healthcare, she uses her expertise in client-focused innovation to promote her platform of advanced service to the citizens of Seminole County.



JUDE TOMASELLO

Keynote Speaker: Improving Patient and Provider Outcomes Through Simulation, Training, and Education

Jude is the program manager for the Medical Simulation & Training Program Management Office at the Defense Health Agency. He manages teams through the full acquisition cycle of medical simulation and learning management system programs for the Military Healthcare System.



ALBERT MANERO, PH.D.

Speaker: Gamified Training and Simulation to Support Dexterity and Mobility

Albert is executive director of Limbitless Solutions, a nonprofit research facility for UCF. His research seeks to advance the field of bionics while leading the engineering innovation facility that designs personalized multi-gesture bionic limbs.



PETER SMITH, PH.D.

Speaker: Gamified Training and Simulation to Support Dexterity and Mobility

Peter is head of Game Development and Training at Limbitless Solutions and an associate professor at UCF. His focus on game design helps him lead projects intersecting technology and human well-being to create training games that empower prosthetic users.



CARLOS CARRASCO

Speaker: Ultimate Experience Tour Introduction

Carlos Carrasco is senior vice president of Orlando Health and president of Orlando Health Jewett Orthopedic Institute. He has been with Orlando Health for 25 years, serving 20 years in leadership roles and five years of staff experience.

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