

Presentation: Human-AI Collaboration: Shaping the Future of Emergency Management



Steve Peterson, CEM is the owner of AIEM, LLC, a company dedicated to ethical AI development and application in emergency management. He is an International Association of Emergency Managers Certified Emergency Manager (CEM®) employed in the federal sector. His professional specialization has focused on leveraging innovative AI-driven solutions to enhance disaster response and resilience, particularly in emergency communications. He is a former member of the White House National Science and Technology Council, Subcommittee on Resilience Science and Technology Task Team 4, where he advocated for integrating AI technologies into emergency management practices.

Kathleen Henning, MA, Lifetime CEM is a nationally board-certified Emergency Manager and past president of Region 3 of the International Association of Emergency Managers. She is a recognized expert and leader in the field of emergency management, coordinated incident management, and disaster planning. She is a volunteer firefighter with 44 years of experience with the Gaithersburg Washington Grove Volunteer Fire Department and also has over 45 years experience as an instructor including FEMA courses in the National Emergency Management Basic Academy, Situational Awareness, Disaster Recovery, Incident Command, and CERT Train the Trainer. In 2004 she retired from Montgomery County Office of Homeland Security and Emergency Management with 30 years of service. Upon retirement Kathee established her own consulting business as President of KGHenning & Associates LLC.



Presentation: Human-AI Collaboration: Shaping the Future of Emergency Management

About the Presentation

As artificial intelligence (AI) increasingly influences various domains, emergency management is poised for significant advancements. Our presentation, 'Human-AI Collaboration: Shaping the Future of Emergency Management,' aims to shed light on how integrating human expertise with AI can elevate emergency management practices. Drawing from a series of practical case studies from the award-winning Virtual Emergency Response Team (VERT) program, we explore practical applications of AI in emergency scenarios. Our objective is to demonstrate not only the technological advancements but also the human insight necessary for effective AI integration, guided by core concepts and principles. Attendees will gain insights into pioneering approaches to emergency management, underscored by the principle of collaboration—a cornerstone of shaping the future. They will leave with an understanding of AI's capacity in this field, focusing on the critical need for human judgment to harness technology for effective application. This presentation aligns with the conference's theme - Emergency Management Ascending and innovation, collaboration, and communication. The presentation emphasizes the role of human-guidance in leveraging technology within the emergency management domain.