Dr. Hani Elgebaly

founder and chief executive officer of AvidBeam Technologies Inc.

Keynote title: Smart City Vision, What to Expect

Bio

Hani Elgebaly is the founder and chief executive officer of AvidBeam Technologies Inc., an AI-based video analytics company. AvidBeam built a scalable video processing platform to process real-time media streams from surveillance cameras using locally developed deep learning computer vision algorithms. AvidBeam won best AI startup at CES, Las Vegas 2018. Before starting AvidBeam, Dr. Elgebaly spent 19 years at Intel Corporation in the US. During this period, he led multimedia products development with Intel, built a few R&D groups in the US and India and championed the establishment of the first instantiation of Intel Labs in the Middle East and Africa in Cairo, Egypt. He also led the establishment of Wireless Center of Excellence (CEWA) in Riyadh. Hani has 50+ issued US patents, more than 10 standard contributions and over 40 journal and conference publications. He is a Senior IEEE member and was nominated for Canada's Governor General Award for scholarly academic achievement and for Distinguished Researcher Award for unusual contribution in a PhD dissertation. He received his Ph.D. degree in computer science from the University of Victoria, British Columbia, Canada, M.S. degree in computational science from University of Saskatchewan, Canada, and B.S. degree in Electrical and Computer Engineering with highest honors from Cairo University, Egypt.

Smart City Vision, What to Expect

Abstract:

With the vast development in AI technology, Smart Cities are a perfect consumer of these advances and experiences. Computer Vision has been slowly developing over multiple decades until a revolution in AI technology together with advances in computing made vision a practical technology that many entities and institutes from the government and private sector deploy in their infrastructure to help with operations and business intelligence. In this presentation, we overview use cases that use deep learning technology to build security, safety and business intelligence applications based on computer vision targeted for Smart Cities. We discuss existing and future deployment of these technologies in new cities in Egypt and elsewhere. We also overview challenges associated with commercialization and deployment of these technologies.