2021 ICA INTERNATIONAL CONFERENCE

***Why CPTED?** Creating liveable environments*

KEYNOTE SPEAKER

GREGORY SAVILLE – KEYNOTE ADDRESS (DAY 2)

Co-Founder: International CPTED Association

Director: AlterNation LLC Consulting

USA

Gregory Saville is an urban planner, criminologist and inaugural ICA President. He currently chairs the ICA course accreditation program (CAP). He has researched and conducted CPTED projects for 35 years in countries around the world. In 2007 he founded the SafeGrowth® neighborhood planning system that incorporates CPTED into the planning of new communities. He has published 5 books and over 40 articles, professional monographs, and academic and research studies, including his most recent books: "SafeGrowth: Building Neighborhoods of Safety and Livability", and "Swift Pursuit: Career Survival Guide for the Federal Officer". In 2004 he partnered with computer scientist Nicholas Bereza at the University of New Haven's Center for Advanced Public Safety Research and designed the first-ever Anti-Terrorism Risk Assessment Matrix, a software app for auditing critical infrastructures.

ABSTRACT

ARTIFICIAL INTELLIGENCE, SMART CITIES, AND CPTED – AN EXISTENTIAL THREAT TO THE ICA

CPTED has long adopted security technologies to expand the basic principles of 1st Generation strategies, such as CCTV for improving surveillance and GPS geofencing to demarcate access control points. At a time of Smart Cities, when urban designers create livable urban environments by adopting security technologies, the CPTED movement - under the rubric of the ICA - must consider a rational and ethical way forward, especially given the threat from the exponential growth or Artificial Intelligence. Artificial Intelligence is at the apex of new technologies. The implications for CPTED are significant. Since the invention of artificial intelligence by John McCarthy in the late 1950s, advanced machine learning has grown at an exponential rate. Advanced computing systems can now perceive and respond to the environment independently and some systems, such as advanced robotics, are at the point where they are making decisions without human intervention – the true intelligent machine. There are serious risks with the uncontrolled growth of artificial Intelligence. Since CPTED is already being confused with low level technologies like target hardening and technical security, we in the CPTED community must seriously consider the application of a high-level technology like AI into CPTED. The unintended consequences of low-level technologies have already backfired for CPTED. Political activists in urban design now claim "homeless reduction technologies" and "defensive architecture" have emerged from CPTED practitioners and they use these technologies in an exclusionary fashion, contrary to the Code of Ethics of the ICA. The situation will be much worse if AI begins to interface with CPTED. This presentation describes the threat of Artificial Intelligence to the CPTED movement, some of the potential unintended consequences, and the possible role of socio-technical design as an answer to AI systems that operate without direct human intervention.