Keynote talk at Annual Conference of the European Association of psychology and law (EAPL)

Dr. Itiel Dror

Title:

How Technology (Including AI) Impacts Human Intelligence, Our Ability To Think and Make Decisions, as well as its Impact on Bias

Abstract:
Artificial Intelligence (AI) and other technologies have provided great power and capabilities not seen before. However, how we interact with them (e.g., 'offloading', 'distributed cognition', 'partnership') and its impact on our decisions making is an open question. Such interactions and cooperation depend on trust, and can create bias as well as bias cascade. As we use and rely more and more on such technologies, they impact our brains and our ability to think and make decisions --in many ways they make us more stupid. In this talk Dr. Itiel Dror will discuss how our brains are changing with technology and how this changes the face of forensic work. A provocative talk exploring the cutting edge of cognitive neuroscience, technology, human decision making and forensic work, this talk will challenge existing views, and encourage you to rethink what AI is and the impact of using it.

Short bio:
Dr. Itiel Dror (Ph.D. Harvard) is a cognitive neuroscientist who is interested in the cognitive architecture that underpins expert decision making. Dror's research, published in over 150 research articles, cited over 13,000 times (source: Google Scholar), demonstrates human vulnerabilities in expert judgments and decision making. He has worked in a variety of domains, from policing and aviation, to medical experts and bankers, showing that human factors impact even hard working, dedicated and competent experts. In the forensic science domain, Dr. Dror has focused attention and highlighted how bias can impact even the more 'objective' domains, such as fingerprinting, DNA, and analytical chemistry. Furthermore, he has researched how the use of technology (including AI) impacts human intelligence, our ability to think and make decisions, as well as its impact on bias. Dr. Dror has worked with and trained many agencies in various countries on how to minimize errors and enhance expert decision making (e.g., use of Linear Sequential Unmasking). More information here: https://www.cci-hq.com/dr.-itiel-dror.html