

Panel 3: New Security Challenges

Speaker: Newton Howard

Board Director, Center for Advanced Defense Studies

Dr. Newton Howard is the director of the Mind Machine Project and a resident scientist at the Massachusetts Institute of Technology (MIT). He received his Doctoral degree in Cognitive Informatics and Mathematics from La Sorbonne, France where he was also awarded the Habilitation à Diriger des Recherches for his leading work on the Physics of Cognition (PoC) and its applications to complex medical, economical and security equilibriums. While a graduate at the Faculty of Mathematical Sciences at the University of Oxford, England, he proposed the Theory of Intention Awareness (IA). He also held positions as a professor of Mathematics and Psychiatry at The George Washington University, where he established leading academic programs directed to solve real world problems.

Dr. Howard is an international executive who served on multiple boards and was the Chairman of the Center for Advanced Defense Studies (CADS) for 7 years, the leading Washington, D.C, National Security Group and is currently serving as its board director. He is a national security advisor to several U.S. Government organizations. During his early career he was a member of the U.S. national security officers' community, serving in several strategic and operational posts.

Dr. Howard's work has led to more than 20 US patents and over 30 publications in the areas of information science, cognitive computational theory, and strategic thinking, as well as several awards and honors including a nomination to the White House fellowship during the Clinton administration. He is a member of the U.S government science advisory board, and was defense diplomat at Defense attaché offices.

He holds a wealth of experience in structuring and directing multinational large-scale projects that require participation and buy-in at the level of the heads of state and local governments, and directed special multinational inter-governmental programs for Intel Corporation and the U.S. Government. He serves as an advisor to several private investment vehicles totaling 20 billion dollars in assets and is the founder and General Partner of Oxantium Group.