

**Name and Affiliation:**

Prof. Yahya Z. Mohasseb

Dean of Educational Affairs, AAST – Cairo

**Name and Affiliation:**

Prof. Mohasseb is with the Department of Computer Engineering, College of Engineering & Technology, AAST-Heliopolis. He received his B.Sc. & M.Sc. from the Military Technical College (MTC), Cairo, Egypt in 1991 and 1996 respectively. He received his Ph.D. from The Ohio State University, Columbus, Ohio, USA in 2002. Before joining AAST in January 2021, he held several positions at MTC including Dean of Faculty and Deputy Commandant. His academic research interests span physical layer communications & security, network information theory, cross layer optimization, channel modeling & estimation, and satellite communications architectures. He has also spent almost two decades of his career on the design and implementation of custom communications protocols and data links for mission critical applications. Since 2009, he actively participated in several satellite projects, including EgyptSat-1 and Tiba-1, where he served as the program technical manager.

Prof. Mohasseb is a senior member of the IEEE, he is also the recipient of the Medal of Distinguished Service and The Order of the Republic.

**Suggested Title of the Talk:**

The Space Industry: Innovations and Trends

In this talk, we will take a quick tour of recent developments in the space industry and how private sector-led initiatives are forming a “new” space-era. Whether we talk about navigation, meteorology, communications, earth observation, or space exploration there are new technologies and trends to observe and reflect upon.