NATO Science for Peace and Security Programme

PRESENTS

LUMINARIES

Celebrating the Genius of the Alliance

A Tribute to **Guglielmo Marconi**

Monday, 25th November 2024, from 14:00 to 16:00
NATO HQ, NATO Library

COMITATO NAZIONALE MARCONI 150

The NATO Science for Peace and Security (SPS) Programme is launching a new series of events to honour the most influential scientists in history who have significantly shaped modern technologies and driven scientific progress. At each event, distinguished speakers will highlight the legacy of these scientists in today's world, and various SPS projects will showcase how their work has been inspired by these early discoveries.

The first event of this series celebrates Guglielmo Marconi, the Italian inventor and engineer who was awarded the Nobel Prize in Physics in 1909 for his ground-breaking invention of radio communication, on the 150th anniversary of his birth.

One of Guglielmo Marconi's most notable achievements was the establishment of the first transatlantic wireless communication. Marconi began experimenting with wireless telegraphy in the 1890s, successfully sending signals over increasing distances and eventually bridging several miles. By the early 1900s, he set his sights on achieving transatlantic wireless communication, a challenging goal due to significant technical and atmospheric obstacles. On the 12th of December 1901, Marconi successfully received a radio signal transmitted from Poldhu, Cornwall, in St. John's, Newfoundland. This event marked the first successful transatlantic wireless communication, a landmark achievement in the history of communication. His success demonstrated the feasibility of long-distance wireless communication, paved the way for modern global communication networks, and laid the groundwork for the transatlantic community that forms the basis of NATO.

PROGRAMME

14:00 Opening remarks by: ***H.E. Mr. Marco Peronaci***, Permanent Representative of Italy to NATO and ***Dr. Claudio Palestini***, Head, Science for Peace and Security & Programme Management and Coordination Unit, Innovation, Hybrid and Cyber Division.

14:15 Keynote speaker: ***Prof. Giovanni Emanuele Corazza***, Full Professor at Alma Mater Studiorum University of Bologna and founder of the Marconi Institute for Creativity.

15:00 Presentation of Multi-Year Project G5797: ***Developing Physical-Layer Security Schemes for Internet of Things Networks.***

15:20 Presentation of Multi-Year Project G5985: ***Secure Communication via Classical and Quantum Technologies.***

15:40 Presentation of Multi-Year Project G7549: ***HEIST-Hybrid space/submarine architecture Ensuring InfoSec of Telecommunications.***

16:00 Closing remarks by: ***Dr. Claudio Palestini***, Head, Science for Peace and Security & Programme Management and Coordination Unit, Innovation, Hybrid and Cyber Division.

Closing reception.