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Introduction of Q-STAR -Create industries & businesses with quantum technology-

Taro Shimada

Quantum Strategic Industry Alliance for Revolution (Q-STAR)

Biography

Taro Shimada joined Toshiba in October 2018 as Corporate Digital Business Chief Strategy Officer. He has served as Chief Digital Officer, responsible for supporting Toshiba's digital transformation and spearheading strategic business creation and promotion, since April 2019. He was appointed CEO & Representative Director of Toshiba Data Corporation in February 2020, and President and CEO of Toshiba Digital Solutions Corporation in April 2020. In March 2022, Mr. Shimada was appointed to take the reins at Toshiba, as President & CEO.

Mr. Shimada has a diverse background in hardware development, including commercial aircraft; in process consultation, ranging from automobiles to precision machinery design and heavy industry; and in product life cycle management software. As an expert in Factory Automation, he advised many of Japan's leading global manufacturers on digitization, and he remains an advisor to the Robot Revolution & Industrial IoT Initiative, and to the IoT Acceleration Lab. He has also contributed to the activities of Industrie 4.0 in Germany and Connected Industries in Japan.

Mr. Shimada began his career in 1990 at ShinMaywa Industries Kobe, where he worked on aircraft for Boeing and McDonnell Douglas. In 1999 he joined Structural Dynamics Research Corporation, a part of Siemens, and took on a series of progressively senior post at Siemens KK, and at Siemens HQ in Germany. Immediately prior to joining Toshiba, Mr. Shimada was Executive Operating Officer at Siemens K.K. He has been a guest professor at Otemon Gakuin University in Osaka, Japan, since April 2020. In May 2022, he was appointed Chairman of Q-STAR (Quantum

Strategic industry Alliance for Revolution), a consortium that promotes business creation with quantum technologies.

Away from the office Mr. Shimada relaxes by playing the drums, and enjoys all genres of music.

Abstract

As quantum technologies start the shift from R&D to commercialization, there are several areas where advances are required.

These are discussed in an overview of recent trends in quantum technology.

The latter half of the presentation introduces Q-STAR.

Now a general incorporated association, Q-STAR is accelerating its efforts to create new quantum businesses.

The presentation discusses how these activities support Q-STAR's goal of contributing to a future society where quantum technology is taken for granted.