

PL-04-01

Q-STAR's initiatives for building a quantum ecosystem

Taro Shimada

Quantum Strategic Industry Alliance for Revolution(Q-STAR)

Biography

TARO SHIMADA

Chair of the Board

Quantum Strategic Industry Alliance for Revolution

Representative Director

Corporate Officer, President and Chief Executive Officer, Toshiba Corporation

Taro Shimada joined Toshiba in October 2018 as Corporate Digital Business Chief Strategy Officer, and in April 2019 became Chief Digital Officer, responsible for Toshiba's digital transformation and for strategic business creation and promotion.

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, and Corporate Officer, President & CEO in December 2023.

Mr. Shimada's diverse experience in hardware development includes commercial aircraft; process consultation for industry; and product life cycle management. An expert in factory automation and digitization, he has advised many of Japan's leading manufacturers. He is also an advisor to the Robot Revolution & Industrial IoT Initiative and the IoT Acceleration Lab, and has contributed to Industrie 4.0 in Germany and Connected Industries in Japan.

Mr. Shimada began his career in 1990, working on aircraft design at ShinMaywa Industries Ltd. In 1999 he joined Structural Dynamics Research Corporation, a part of Siemens, which led to a series of progressively senior

posts in Japan and at Siemens HQ in Germany. Prior to joining Toshiba, he was Executive Operating Officer at Siemens K.K. Mr. Shimada 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.

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

Abstract

With the rapid advancement of quantum technologies, many countries are developing national strategies and promoting international collaboration, moves that are fostering significant progress in building quantum ecosystems. In this presentation, I will explore the latest trends in quantum technology in Japan and worldwide. I will also highlight Q-STAR's key activities in 2024, and look at our efforts to establish robust quantum ecosystems, promote international standardization, and strengthen global partnerships. Finally, I will outline Q-STAR's future plans and the crucial role we aim to play in shaping the future of quantum technology.