

Biography

Naoto Ohtake

Naoto Ohtake has been director-general of Tokyo Tech's Institute of Innovative Research (IIR) since 2022. He has served concurrently as director of the Organization for Fundamental Research since 2022, and has been an IIR professor since 2018.

Ohtake earned his bachelor's, master's, and doctoral degrees in mechanical engineering from Tokyo Tech in 1986, 1988, and 1992, respectively. From 1989 to 2000, he was with the Department of Mechanical Engineering and the Department of Mechanical Engineering and Science at Tokyo Tech, first as assistant professor, then as associate professor. During this period, he was also visiting associate professor at the University of Minnesota's Department of Mechanical Engineering from 1995 to 1996.

From 2000 to 2006, Ohtake was associate professor at Tokyo Tech's Department of Mechanical Sciences and Engineering. In 2006, he joined the Department of Materials, Physics, and Energy Engineering at Nagoya University as associate professor. He returned to Tokyo Tech's Department of Mechanical Sciences and Engineering in 2009, where he became professor the following year. Ohtake also served as advisor to the president from 2012 to 2015.

Ohtake was Tokyo Tech's vice president for research promotion from 2015 to 2017. During the period, he was also named professor at the new School of Engineering when Tokyo Tech merged its undergraduate and graduate schools in April 2016.

From 2017 to 2018, Ohtake served as Tokyo Tech's vice president for research development. He was also associate director of the Laboratory for Design of Social Innovation Global Networks (DLab) from 2018 to 2024, and director of the Laboratory for Future Interdisciplinary Research of Science and Technology at IIR from 2020 to 2022.

Ohtake's main field of interest is surface engineering and science, including chemical vapor deposition and physical vapor deposition of hard carbon films and their application to industrial uses.

Education

December 1992	Doctor of Engineering in Mechanical Engineering, Graduate School of Science and Engineering, Tokyo Institute of Technology
April 1988 - July 1989	Doctoral program student, Graduate School of Science and Engineering, Tokyo Institute of Technology
March 1988	Master of Engineering in Mechanical Engineering, Graduate School of Science and Engineering, Tokyo Institute of Technology
March 1986	Bachelor of Engineering in Mechanical Engineering, School of Engineering, Tokyo Institute of Technology

Experience

April 2022 - present	Director-General, Institute of Innovative Research (IIR), Tokyo Institute of Technology
April 2022 - present	Director, Organization for Fundamental Research, Institute of Innovative Research, Tokyo Institute of Technology
April 2020 - March 2022	Director, Laboratory for Future Interdisciplinary Research of Science and Technology, Institute of Innovative Research, Tokyo Institute of Technology
September 2018 - March 2024	Associate Director, Laboratory for Design of Social Innovation Global Networks (DLab), Tokyo Institute of Technology
April 2018 - present	Professor, Institute of Innovative Research, Tokyo Institute of Technology
April 2017 - March 2018	Vice President for Research Development, Tokyo Institute of Technology
April 2016 - March 2018	Professor, School of Engineering, Tokyo Institute of Technology
October 2015 - March 2017	Vice President for Research Promotion, Tokyo Institute of Technology
November 2012 - September 2015	Advisor to the President, Tokyo Institute of Technology
December 2010 - March 2016	Professor, Department of Mechanical Sciences and Engineering, Graduate School of Science and Engineering, Tokyo Institute of Technology
April 2009	Associate Professor, Department of Mechanical Sciences and

	Engineering, Graduate School of Science and Engineering, Tokyo Institute of Technology
April 2006	Associate Professor, Department of Materials, Physics, and Energy Engineering, Graduate School of Engineering, Nagoya University
April 2000	Associate Professor, Department of Mechanical Sciences and Engineering, Graduate School of Science and Engineering, Tokyo Institute of Technology
April 1995 - February 1996	Visiting Associate Professor, Department of Mechanical Engineering, University of Minnesota, USA (Overseas Researcher, Japan Ministry of Education, Science, Sports and Culture)
August 1993	Associate Professor, Department of Mechanical Engineering and Science, School of Engineering, Tokyo Institute of Technology
April 1993	Assistant Professor, Department of Mechanical Engineering and Science, School of Engineering, Tokyo Institute of Technology
August 1989	Assistant Professor, Department of Mechanical Engineering, School of Engineering, Tokyo Institute of Technology

Date of birth

December 12, 1963

Place of birth

Kanagawa Prefecture

Research fields

Functional materials, thin film technology

Major awards

- UBS Special Award Grand Prize, Innovation Japan 2005, Japan Science and Technology Agency (JST) and New Energy and Industrial Technology Development Organization (NEDO)
- FY 2023 Award for Science and Technology, Research Category, Commendation for

Science and Technology by the Minister of Education, Culture, Sports, Science and
Technology