



## **Prof. Yoshimi Watanabe**

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Yoshimi Watanabe is currently a full Professor of Engineering in the Department of Physical Science and Engineering at Nagoya Institute of Technology in Japan. He earned a Bachelor of Engineering in Metallurgical Engineering from Nagoya Institute of Technology in 1985, Master of Engineering and Ph. D in Materials Science and Engineering from Tokyo Institute of Technology in 1987 and 1990, respectively. After that, he worked at Kagoshima University at the Department of Mechanical Engineering from 1990 to 1992, and at Hokkaido University at the Department of Metallurgical Engineering from 1992 to 1995 both as a research associate, at Shinshu University at the Department of Functional Machinery and Mechanics from 1995 to 2005 as an associate professor. In 2005, he moved to Nagoya Institute of Technology as a full professor. He was also worked at Lawrence Berkeley National Laboratory from 1997 to 1998 as a visiting scientist. His current research interests are metal matrix composites (MMCs) including functionally graded materials (FGMs), grain refining of cast aluminum using heterogeneous nucleation theory, improvement of microstructure and mechanical properties of additively manufactured (AMed) metals by addition of heterogeneous nucleation site particles, severe plastic deformation, Fe based shape memory alloy and high damping material.

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