



Researcher

## **YANO Kentaro**

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### **Background**

2021 Researcher, NEXTA, Shimane University

2013 Senior Engineer, Yasugi Works, Hitachi Metals, Ltd.

2010 Senior Researcher, Metallurgical Research Laboratory, Hitachi Metals, Ltd.

2006 Process Technology Leader, Metglas® Inc. (in the USA)

1998 Researcher, Metallurgical Research Laboratory, Hitachi Metals, Ltd.

1993 Casting Technology Laboratory, Hitachi Metals. Ltd.

1993 Ph.D. in Engineering, University of Kyushu, Fukuoka, Japan

### **Research**

Casting, Plasticity, Rolling with Vapor Deposition, Process technology of Amorphous ribbon, Productivity enhancement

### **Certification**

Professional Engineer (Mechanical Engineering, Metals, Comprehensive Technical Management)

### **Paper**

1. Finish Gear Rolling by Screw-Shaped Tool (1st Report, Trial Construction of Apparatus and Rolling Experiment of Tooth Surface) Trans. of JSME 57-539,C,(1991),2395
2. Effect of Fillet Rolling at the Root of the Tooth on Bending Fatigue Strength of Spur Gears(ADI, S45C Gears) Trans. of JSME 58-551,C,(1992),2212
3. Finish Gear Rolling by Screw-Shaped Tool (Trial Construction of Apparatus and Rolling Experiment of Tooth Surface) JSME Int Jour. 35-3,III,(1992),512
4. Finish Gear Rolling by Screw-Shaped Tool (Simultaneous Rolling of Tooth and Fillet Surface) Trans. of JSME 59-560,C,(1993),1210

### **Patent**

4 patent applications about casting design.

47 patent applications about Electric materials and its products.