



**Prof. Yoshitaka NAKANISHI**

● **Contact Information**

Affiliation: Faculty advanced Science and Technology, Kumamoto University

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● **Education**

- (1) 25 March 1993, Department of Mechanical Engineering, Faculty of Engineering, Kyushu University
- (2) 25 March 1995, Department of Mechanical Engineering, Graduate School of Engineering, Kyushu University (Master course)
- (3) 25 March 1998, Department of Mechanical Engineering, Graduate School of Engineering, Kyushu University (doctoral course)

● **Professional Experience**

- 1996-1998 Research Fellowship for Young Scientists, Japan Society for the Promotion of Science, Japan
- 1998-1999 Assistant Professor, Faculty of Engineering, Kyushu University, Japan
- 1999-2004 Associate Professor, Faculty of Engineering, Oita University, Japan
- 2004-2005 Associate Professor, Faculty of Engineering, Kyushu Sangyo University, Japan
- 2005-2008 Professor, Digital Medicine Initiative, Faculty of Medicine, Kyushu University
- 2008-2015 Professor, Graduate School of Science and Technology, Kumamoto University, Japan
- 2015- Professor, Faculty of Advanced Science and Technology, Kumamoto University, Japan

● **Honors and Awards**

- 2011 Paper Award, The Japan Society of Mechanical Engineers
- 2013 Outstanding Paper Award, The Effect of Surface Polishing Methods for Artificial Joints on Wear Particles and Cytokine Production, Japanese Society of Clinical Biomechanics
- 2014 Best Paper Award, Biomimetic sealing system with hydrated materials for ocean current or tidal power generation, 3rd International Conference on Renewable Energy Research and Applications
- 2017 120th Anniversary Meritorious Service Award, The Japan Society of Mechanical Engineers
- 2019 SIIQ Technology Award (Silver Prize), Technology for Directly Engraving Expected Functions onto Various Surfaces, Kyushu Semiconductor & Electronics Innovation Council (SIIQ) in Japan
- 2020 Special Award, *3-dSupremes* Technology: Directly Engraving Desired Functions onto Materials, KUMAMOTO TECH PLAN GRAND PRIX in Japan

#### ● **Contribution to / Membership of Professional Bodies**

- Associate Editor, Transactions of the Japan Society of Mechanical Engineers, The Japan Society of Mechanical Engineers
- Associate Editor, Journal of Biomechanical Science and Engineering, The Japan Society of Mechanical Engineers
- Director, Japanese Society for Clinical Biomechanics
- Director, Kyushu Division, Japanese Society for Medical and Biological Engineering
- Fellow, The Japan Society of Mechanical Engineers
- Councilor, The Japanese Society for Replacement Arthroplasty
- Councilor, Society of Biomechanism
- Councilor, Japanese Society for Musculoskeletal Medicine
- Councilor, The Society of Life Support Engineering, Japan
- Councilor, Japan Society of Computer Aided Surgery
- Steering committee, WEATHER-Eye Consortium, Japan Aerospace Exploration Agency (JAXA), Japan

#### ● **Topic of Talk**

Bio-Inspired Mechanical Design and Mechanical Design for Bioengineering