

## Curriculum Vitae

Full name: Takashi OKAYASU

Place of birth & date: Aichi prefecture, Japan. 21/11/1971

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[u.ac.jp/search/details/K001653/english.html](http://www-mech.bpes.kyushu-u.ac.jp/search/details/K001653/english.html)

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Takashi Okayasu is an Associate Professor of Kyushu University, and belongs to Department of Agro-environmental Sciences, Faculty of Agriculture. His fields of interest include smart agriculture using affordable microcomputers, sensors, and devices, agricultural machineries mainly focusing on field machineries, and computational mechanics based on unconventional elastoplastic theory and its application to Biosystems engineering. He has various research projects related to smart agriculture and engineering fields. He has written more than 260 research papers in international and domestic journals and international conference proceedings, contributed to write 9 books as a chapter author, and edited several books and conference proceedings. He has delivered more than 70 presentations as keynote, invited, and special lectures.

### Position:

Ph.D., Associate Professor, Kyushu University  
Kyushu University, Faculty of Agriculture,  
Department of Agro-environmental Sciences,  
Laboratory of Agricultural Machinery and Production Systems Design,

### Latest Education:

Graduate School of Agriculture, Kyushu University, Japan, 1999 (Ph.D., Agri.)

### Professional activities history:

[Japan]

Lecturer, Venture Business Laboratory, Kyushu University, 1999-2001

Researcher, Faculty of Agriculture, Kyushu University, 2001

Associate Professor, Faculty of Agriculture, Kyushu University, 2001-current

[Overseas]

Visiting professor in University of California, Davis, USA, 1 week, 2009

Visiting researcher in University of the Hohenheim, Germany, 50 days, 2012

**Major Area of Specialization:**

Agricultural Informatics

Agricultural Machinery

Computational Mechanics

**Membership in Academic Society:**

Japanese Society of Agricultural Machinery

Japanese Society of Agricultural Informatics

Japanese Society of Farm Work Research

Information Processing Society of Japan

The Society of Instrument and Control Engineers

Japanese Society of Terramechanics

Japanese Geotechnical Society

Japan Forest Engineering Society

**Academic Honors:**

Young research award in the Japanese Society of Agricultural Machinery, 2004

Best session paper award for the International society for Terrain-Vehicle Systems 7th Asia-Pacific Conference, 2004

Incentive award in the Japanese Society of Agricultural Informatics, 2014

Special contribution award in the Japanese Society of Agricultural Informatics, 2019

Academic award in the Japanese Society of Agricultural Informatics, 2019

**Research History:**

Study on development of informatization agricultural supporting system based on IT

Study on development of soil tillage simulator based on DEM-FEM coupling method

Study on elastoplastic constitutive equation of materials

Study on traveling performance of off-road vehicle (Agricultural machinery)

**List of publications:**

Please see the following information:

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