

PERSONAL INFORMATION

Daisuke Furihata

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sex: male, Date of birth: 31 Jan. 1968

WORK EXPERIENCE

September 2017 – Present

Professor

Cybermedia Center, Osaka University
1-32 Machikaneyama, Toyonaka, Osaka (Japan)

- Working to develop numerical methods for partial differential equations based on structure preserving methods
- Education at department of mathematics, faculty of science and department of pure and applied mathematics, graduate school of information science and technology

April 2002 – August 2017

Associate Professor

(Affiliation, working and education: ditto)

April 2001 – March 2002

Lecturer

(Affiliation, working and education: ditto)

April 1997 – March 2001

Research Associate

Research Institute for Mathematical Sciences, Kyoto University
Oiwake, Kitashirakawa, Sakyo-ku, Kyoto (Japan)
– (Working: ditto)

April 1992 – March 1997

Research Associate

Department of applied physics, faculty of engineering, the university of Tokyo
7-3-1 Hongo, Bunkyo-ku, Tokyo (Japan)
– (Working: ditto)
– Education at all departments in faculty of engineering and department of applied physics, graduate school of engineering

EDUCATION TRAINING

February 1997

PhD (Engineering) – Thesis Title: General Design of Finite Difference Schemes for Partial Differential Equations based on Discrete Variational Calculus

April 1990 – March 1992

Master of Engineering in Applied Physics
The university of Tokyo, Tokyo (Japan)

April 1986 – March 1990

Bachelor of Engineering in Applied Physics
(ditto)

SOCIETY ACTIVITY

April 2014 – Present

Journal of Computational and Applied Mathematics Advisory Editor

April 2012 – Present

Representative member of the Japan society for industrial
and applied mathematics

April 2012 – Present

Network management committee member of the Japan society
for industrial and applied mathematics

April 2011 – Present

JSIAM Letters Associate Editor

April 2005 – March 2012,

Board member of the Japan society for industrial

April 2017 – Present

and applied mathematics

April 1999 – March 2012

Network management chief of the Japan society
for industrial and applied mathematics

MEMBER OF

- The Japan society for industrial and applied mathematics
- The Mathematical Society of Japan
- The Japan Society for Computational Engineering and Science

ADDITIONAL INFORMATION

Awards

- Osaka University Common Education Award (2009)
- The Japan Society for Industrial and Applied Mathematics
Paper Award (1994)

Publications

- Translation to Japanese of the chapter “6. Initial Value Problems” in
Computational Science and Engineering (by Gilbert Strang), Kindai-kagaku, 2017.
- Chapter “Numerical Methods for Ordinary Differential Equations” in
Applied Mathematics Handbook (in Japanese), Asakura, 2013.
- “Discrete Variational Derivative Method A Structure-Preserving Numerical
Method for Partial Differential Equations”, Chapman and Hall/CRC press, 2010.
- Chapter “Numerical Methods for Partial Differential Equations” in
Modern Mathematics Encyclopedia, 2nd ed. (in Japanese), Maruzen, 2009.