Tomoyuki Nakatsuka

Institute of Mathematics, Czech Academy of Science
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EDUCATION

Nagoya University, Nagoya, Japan
Ph.D. in Mathematical Science   2011–2014
   Dissertation title: "Uniqueness criteria for stationary solutions to the Navier-Stokes equations in exterior domains"
   Dissertation advisor: Professor Toshiaki Hishida

M.A. in Mathematical Science   2009–2011
   Thesis: "On stationary Navier-Stokes equations in exterior domains"
   Supervisor: Professor Toshiaki Hishida

Keio University, Tokyo, Japan
B.A. in Economics   2002–2007

RESEARCH EXPERIENCE

- **Postdoctoral Researcher**, Institute of Mathematics CAS   Apr. 2016 to present

- **Postdoctoral Researcher**, Universität Zürich   Sep. 2015 to Mar. 2016

- **Designated Assistant Professor**, Nagoya University   Apr. to Aug. 2015

- **Postdoctoral Researcher**, Nagoya University   Apr. 2014 – Mar. 2015

- **Graduate Student**, Nagoya University   Apr. 2009 – Mar. 2014

TEACHING EXPERIENCE

- **Designated Assistant Professor**, Nagoya University   Spring 2015
  – Taught the course "Seminar I" on the calculus and linear algebra; lectured and administered grades

- **Part-Time Lecturer**, Gifu University   Spring 2015
  – Taught the course "Linear Algebra I"; lectured and administered grades

- **Teaching Assistant**, Nagoya University   Spring and Fall 2009
    – Helped a professor mark assignments on "Linear Algebra I"

FELLOWSHIP AND GRANT

Fellowship
JSPS Research Fellowships for Young Scientists   Apr. 2013 – Mar. 2015
– Fellowship for top 25% PhD students and postdoctoral researchers in Japan

Grant
Grant-in-Aid for JSPS Fellows
Funding Agency: Japan Society for the Promotion of Science
Project number: 25002702
Title: On uniqueness of solutions to the stationary Navier-Stokes equations in three-dimensional
        exterior domains
Role: Principal Investigator
Amount: $2,000,000$ JPY

RESEARCH VISIT

- Vilnius University, Lithuania   March 2016
- Technische Universität Darmstadt, Germany   July 2014
- Technische Universität Darmstadt, Germany   Jun. to Jul. 2013
- Technische Universität Darmstadt, Germany   Oct. to Dec. 2012
- Technische Universität Darmstadt, Germany   Jan. to Feb. 2012

SELECTED PRESENTATIONS

- T. Nakatsuka, "A remark on the uniqueness of steady Navier-Stokes flows in exterior domains", SPP 1506, IRTG 1529 and JSPS Mathematical Fluid Dynamics: Joint International Conference and Autumn School 2015, Technische Universität Darmstadt, Darmstadt, Germany, October 2015.

- T. Nakatsuka, "On uniqueness of symmetric Navier-Stokes flows around a body in the plane", The 10th AIMS Conference on Dynamical Systems, Differential Equations and Applications, Special Session 83, Madrid, Spain, July 2014.

- T. Nakatsuka, "On uniqueness of symmetric Navier-Stokes flows around a body in the plane", The 9th Japanese-German International Workshop on Mathematical Fluid Dynamics, Tokyo, Japan, November 2013.

- T. Nakatsuka, "Uniqueness of steady Navier-Stokes flows in exterior domains", The 5th Japanese-German International Workshop on Mathematical Fluid Dynamics, Tokyo, Japan, June 2012.

- T. Nakatsuka, "On uniqueness of stationary solutions to the Navier-Stokes equations in exterior domains",, The 4th Japanese-German International Workshop on Mathematical Fluid Dynamics, Tokyo, Japan, December 2011.