

# Tatsuhiko YOKOYAMA

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**Personal Information:**

Nationality: Japan

Date of birth: August 24, 1976

**Job Title:**

Associate Professor

**Office Address:**

Research Institute for Sustainable Humanosphere

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## EDUCATION

- **Ph. D. of Informatics:** March 2004  
Graduate School of Informatics, Kyoto University, Kyoto, Japan  
Dissertation: "Study of midlatitude ionospheric E-region irregularities with rocket/radar experiment and numerical simulation"
- **Master of Informatics:** March 2001  
Graduate School of Informatics, Kyoto University, Kyoto, Japan
- **Bachelor of Engineering:** March 1999  
Faculty of Engineering, Kyoto University, Kyoto, Japan

## AWARDS

- **Nishida Prize for Promotion of Geo- and Planetary Science** June 2021  
Given by Japan Geoscience Union
- **COSPAR Zeldovich Medal** July 2012  
Given by Committee on Space Research (COSPAR) Scientific Commission C
- **The 27th SGEPSS Obayashi Award** September 2007  
Given by Society of Geomagnetism and Earth, Planetary and Space Sciences
- **The 22nd Inoue Research Award for Young Scientist** February 2006  
Given by Inoue Foundation for Science

## SCIENTIFIC ACTIVITIES AND ACHIEVEMENTS

- A dedicated study of low to middle latitude ionosphere by utilizing numerical models and radar/rocket/satellite observations, especially on ionospheric irregularities and disturbances
- Development of numerical simulation models for ionospheric irregularities and disturbances by utilizing high performance parallel computing

- Clarification of plasma instabilities and electrodynamical coupling process between ionospheric E and F regions with numerical simulations
- Clarification of development of equatorial plasma bubbles in the low-latitude ionosphere by using radar observations and numerical simulations

### CAREER HISTORY

- **Associate Professor** Nov. 2018 – present  
Research Institute for Sustainable Humanosphere  
Kyoto University, Japan
- **Senior Researcher** Apr. 2014 – Nov. 2018  
National Institute of Information and  
Communications Technology, Japan
- **Researcher** Apr. 2013 – Mar. 2014  
National Institute of Information and  
Communications Technology, Japan
- **Mission Research Fellow** Nov. 2011 – Mar. 2013  
Research Institute for Sustainable Humanosphere  
Kyoto University, Japan
- **Visiting Assistant Research Scientist** Apr. 2010 – Oct. 2011  
NASA Goddard Space Flight Center, USA  
University of Maryland, Baltimore County, USA
- **JSPS Postdoctoral Fellow for Research Abroad** Apr. 2008 – Mar. 2010  
Earth and Atmospheric Sciences  
Cornell University, USA
- **JSPS Research Fellow (PD)** Apr. 2005 – Mar. 2008  
Solar-Terrestrial Environment Laboratory  
Nagoya University, Japan  
(Started visiting Cornell University) (November 2006)
- **Postdoctoral Research Associate** Apr. 2004 – Mar. 2005  
Research Institute for Sustainable Humanosphere  
Kyoto University, Japan
- **JSPS Research Fellow (DC2)** Apr. 2002 – Mar. 2004  
Radio Science Center for Space and Atmosphere  
Kyoto University, Japan