

# Curriculum Vitae

Naoki Yoshida

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## Professional appointments

2025- Team Director, RIKEN AIP  
2012-present Professor, Department of Physics, The University of Tokyo  
Project Professor, Kavli Institute for the Physics and Mathematics of the Universe,  
UTokyo Institutes for Advanced Studies, The University of Tokyo (since 2014)  
2008-2012 Project Associate Professor, Kavli IPMU, The University of Tokyo  
2004-2008 Assistant Professor, Department of Physics, Nagoya University  
2003-2004 Japan Society for the Promotion of Science SPD Fellow  
2001-2003 Postdoctoral Fellow at Harvard-Smithsonian Center for Astrophysics, USA

## Education

1998-2001 **Max-Planck-Institut für Astrophysik, Germany**  
Doktor der Naturwissenschaften (magna cum laude), February 2002  
Thesis: Numerical Simulations of the Formation of Large-Scale Structure of the Universe

1997-1998 **Royal Institute of Technology, Sweden**  
Teknologie Licentiat, June 1998  
Thesis: Nonlinear Wave Phenomena in a Magnetized Plasma and in a Relativistic Gas

1996-1998 **University of Tokyo, Japan**  
MSc in Aerospace Engineering, March 1998  
Thesis: Localized Structure of an Electrostatic Ion Wave in a Magnetized Plasma

1992-1996 **University of Tokyo, Japan**  
BSc in Aerospace Engineering, March 1996  
Thesis: Dynamics of Compressible Fluids in a Gravitational Field

## Awards and honors

2024 Philipp Franz von Siebold Prize  
2017 Japan Academy Medal  
2017 Japan Society for Promotion of Science Prize  
2008 International Union of Pure and Applied Physics Young Scientist Prize  
2006 Astronomical Society of Japan Young Scientist Award

2025 Keio University Eminent Visiting Professor  
2024 Royal Swedish Academy KVA Lecturer  
2021 ACM Gordon Bell Finalist  
2015 Georgia Institute of Technology CRA Distinguished Lecturer  
2008 Beatrice M. Tinsley Research Scholar, University of Texas at Austin

## Scholarships

1999-2001 Deutscher Akademischer Austausch Dienst Stipendium, Germany  
1997-1998 Axel och Margaret Ax:son Johnsons Stiftelse, Sweden  
1996-1997 The 45th Kumura Scholarship, Japan

## Selected publication

1. "The effect of stellar evolution on dispersal of protoplanetary disks: Disk fraction in star-forming regions",  
Komaki, A., [Yoshida, N.](#), 2025, ApJ, 979, 46
2. "A 400 trillion-grid Vlasov simulation on Fugaku supercomputer: Large-scale distribution of cosmic relic neutrinos in a six-dimensional phase space ",  
Yoshikawa, K., Tanaka, S., [Yoshida, N.](#), 2021, Proceedings of the International Conference for High Performance Computing, Networking, Storage and Analysis, November 2021, Article No.5, pages 1-11; doi:10.1145/3458817.3487401
3. "Deep learning reconstruction of three-dimensional galaxy distributions with intensity mapping observations",  
Moriwaki, K., [Yoshida, N.](#), 2021, ApJL, 923, L7
4. "R-process Enrichment in Ultrafaint Dwarf Galaxies",  
Tarumi, Y., [Yoshida, N.](#), Inoue, S., 2020, MN, 494, 120
5. "Descendants of the First Stars: The Distinct Chemical Signature of Second Generation Stars"  
Hartwig T., [Yoshida, N.](#), et al., 2018, MNRAS, 478, 1795
6. "Formation of Intermediate-Mass Black Holes through Runaway Collisions in the First Star Clusters"  
Sakurai, Y., Fujii, M., [Yoshida, N.](#), Hirano, S., 2017, MNRAS, 472, 1677