

Curriculum Vitae - SOICHIRO ISOYAMA (Dr.)

15 April 2022

Personal statement:

Nationality : Japanese
Citizenship : Japan
Date of birth : 13 July 1984

Email: isoyama@yukawa.kyoto-u.ac.jp
Web-site: <http2://www2.yukawa.kyoto-u.ac.jp/~soichiro.isoyama/>

Field of expertise: Gravitation and astrophysics
Main themes of research: Gravitational waves, compact objects, relativistic two-body problem

Education:

2014 D.Sc., Physics,
“Radiation reaction to the motion of a point particle in Kerr spacetime”
Yukawa institute for theoretical physics, Kyoto University,
Adviser: Takahiro Tanaka

2011 M.Sc., Physics,
Yukawa institute for theoretical physics, Kyoto University,
Adviser: Takahiro Tanaka

2009 B.Sc., Physics, Kyoto University Faculty of Science,
Adviser: Takashi Nakamura

Non-research, Postdoctoral Training (during career breaks)

Oct 2021 – present Non-degree student, The Open University of Japan
Oct 2016 – May 2017 Non-degree student, The Open University of Japan

Appointments / Position Titles:

I am currently working outside academic sectors (since Sep 2021)

Feb 2019 – Jul 2021	Research Fellow	University of Southampton, Southampton, UK
Jun 2017 – Jan 2019	Pesquisador Pós-Doutor	International Institute of Physics, Natal, Brazil
Sep 2014 – Aug 2016	JSPS Postdoctoral Fellow	University of Guelph, ON, Canada
Apr 2014 – Aug 2014	Part-time Lecturer	Daido University, Nagoya, Japan

Prizes, Awards and Honors:

2022 – 2024	Postdoctoral Fellowship of ICTS-TIFR (declined)
2018 – 2020	Government of Ireland Postdoctoral Fellowship Irish Research Council (declined)
2017 – 2018	Postdoctoral Fellowship of the International Institute of Physics
2014 – 2016	Postdoctoral Fellowship for Research Abroad Japan Society for the Promotion of the Science
2012 – 2014	Research Fellowship for Young Scientists (DC2) Japan Society for the Promotion of the Science.

Teaching:

Lecturer (Daido University)

2014, Spring “Introductory physics I (for non-science majors)” undergraduate.

Teaching Assistant (Kyoto University)

2012, Fall	“Practical English for Natural Science Majors B”	undergraduate.
2012, Spring	“Practical English for Natural Science Majors A”	undergraduate.
2011, Fall	“Exercises in Statistical Mechanics A”	undergraduate.
2011, Spring	“Exercises in Statistical Mechanics B”	undergraduate.

Grants:

PI or Co-PI

2018 – 2020	PI, 92K EUR, <i>The gravitational waves of inspiraling large mass-ratio binaries</i> , Award for IRC postdoctoral fellows (declined)
2014 – 2016	PI, 11M JPY, <i>The gravitational emission from a compact object for testing GR</i> , Award for JSPS RA fellows
2012 – 2014	PI, 1.8M JPY, <i>Using gravitational waves as a direct probe of a black hole</i> , Grant-in-Aid for JSPS fellows

Collaborator

2021 – 2026	<i>Construction of gravitational wave templates for precise observation of black holes in galactic nuclei</i> , Grant-in-Aid for Scientific Research (B) (PI: N. Sago), JSPS
2021 – 2024	<i>Modeling and measuring extreme-mass-ratio-inspiral signals for LISA science</i> 2020 LISA preparatory science program (PI: A. J. K. Chua), NASA
2020 – 2023	<i>Gravitational waveforms from extreme-mass-ratio inspirals for the space mission LISA</i> International Exchanges (PIs: A. Pound and T. Tanaka), Royal Society

Publications:

13 articles in peer-reviewed journals, 1 article in conference proceedings, 1 book chapter, about 390 citations in iNSPIRE, h=10; see attached for details.

Selected List of Invited Talks/Colloquia/Seminars:

- 2021 Invited presentation, LISA EMRI Waveform Work Package telecons (virtual)
 - 2017 Invited presentation, Black Holes Across the Gravitational Wave Spectrum, IIP, Natal

 - 2019 Invited seminar, Max Planck Institute (AEI)
 - 2017 Invited seminar, International Institute of Physics (IIP)
 - 2016 Invited seminar, Princeton University
 - 2015 Invited seminar, University of Southampton
 - 2015 Invited seminar, Cornell University
 - 2014 Invited seminar, Osaka City University
 - 2013 Invited seminar, University of Southampton
 - 2013 Invited seminar, DAMTP, University of Cambridge
- (30+ additional contributed talks)

Services (Professional Level):

Peer Reviews

1. Peer Review, Grant Proposal, Dutch Research Council (NWO)
2. Referee, Classical and Quantum Gravity
3. Referee, European Journal of Physics
4. Referee, International Journal of Modern Physics D
5. Referee, Journal of Cosmology and Astroparticle Physics
6. Referee, Physical Review Letters / D
7. Referee, Universe

Meetings/Conferences/Workshops

1. 2012, Co-organize, "Summer School on Astronomy and Astrophysics 2012", Japan, August 1-4, 2012

Service (University Level):

- Organizer, Gravity Seminar, University of Southampton (2019 - 2021).

Professional Societies:

- The International Society on General Relativity and Gravitation (ISGRG)

Involvement in Large-scale Projects:

- Laser Interferometer Space Antenna (LISA) [2018 - present; WP group 1 (waveform modeling) and Waveform WG]