

WPI- Advanced Institute for Marine Ecosystem Change (WPI-AIMEC)  
AIMEC Postdoctoral Researcher

Available Position	AIMEC Postdoctoral Researcher
Recruiting Department	<p>Advanced Institute for Marine Ecosystem Change (WPI-AIMEC), Tohoku University and Japan Agency for Marine-Earth Science and Technology (JAMSTEC)</p> <p>*There may be a change in affiliation in the case of reorganization of WPI-AIMEC.</p>
Job Description	<p>“Advanced Institute for Marine Ecosystem Change (hereinafter as “WPI-AIMEC”) Director: Toshio Suga”, jointly proposed by Tohoku University and Japan Agency for Marine-Earth Science and Technology (hereinafter as “JAMSTEC”) has been selected as a new research center of the World Premier International Research Center Initiative (WPI) supported by the Japanese Ministry of Education, Culture, Sports, Science and Technology (herein after MEXT), aimed to accelerate World-class Science and Collaboration.</p> <p>At WPI-AIMEC, with a focus on the northwestern Pacific Ocean, we aim to elucidate the mechanisms of environmental changes in the ocean and the responses and adaptations of marine ecosystems by integrating ocean physics, ecology, and mathematical/data science. Our goal is to improve the accuracy of predicting fluctuations in marine ecosystems that also impact human society.</p> <p>We are now soliciting applications for around 10 positions of AIMEC Postdoctoral Researcher who will be engaged in the following research topics while collaborating with researchers participating in WPI-AIMEC’s international research network.</p> <p>Based on the philosophy of Under One Roof, the successful candidates are expected to promote research by utilizing the world-class knowledge and research equipment and facilities of both institutions. In addition, a research grant (2,000,000 yen) will be provided as start-up funding for the first year. (No further funding will be provided thereafter.)</p> <p>[Research Description]</p> <ol style="list-style-type: none"> <li>1. Monitoring the marine physico-chemical environment from the coast to the open sea; developing analytical techniques for marine environmental restoration; and studying marine environment-ecosystem co-variation using environmental indicator organisms.</li> <li>2. Making observations and models to understand the state of ecosystems and biodiversity, and conducting theoretical and empirical research to clarify the principles that drive, maintain, and respond to ecosystems and biodiversity.</li> <li>3. Developing methods for assessing and analyzing marine ecosystems using functional genomics, etc., and elucidating the responses of coastal ecosystems and its services to human activities in coastal areas.</li> <li>4. Observing the seabed, including its hydraulic observations, to clarify ocean–solid earth change phenomena, and making observations and models to understand spatiotemporal oceanic changes to enable advances in underwater acoustic ranging.</li> <li>5. Studying the environmental response and adaptation mechanisms of marine organisms at the individual and community levels and developing evaluation and analysis methods; clarifying the mechanisms of regime shift phenomena, including mass outbreaks and mass mortality of marine organisms.</li> <li>6. Developing molecular biological techniques for analyzing marine microbial ecosystems; studying the dynamics of marine particles and material circulation and the response and adaptive mechanisms of microbial ecosystems to changes in the marine environment, and developing technology for this.</li> <li>7. Conducting research and technological development related to observations of the effects of circulation and microbial distribution on the distribution of substances in the ocean, maintaining automated oceanographic observation networks, and integrating the analysis (analyses?) of oceanographic observations and simulations.</li> <li>8. Conducting modelling research and applying artificial intelligence to marine ecosystems (including the physical and chemical environment of the surrounding ocean and atmosphere), and maintaining and developing the computer infrastructure.</li> <li>9. Developing equations that describe the structure of marine ecosystems and related biogeochemical cycles and their variability, and developing models of the response of marine ecosystems (including harmful toxic algal blooms) and their capacity to adapt to environmental changes in estuarine, coastal, and open ocean environments.</li> <li>10. Assessing the impacts and interactions of changes in marine ecosystems on human society and vice versa, and social and behavioral changes based on such assessments.</li> </ol> <p>[Relevant Research Fields] Marine Physics, Marine Ecology, Geochemistry, Ocean Engineering, Geomicrobiology, Computer Science, Meteorology, Meteorological and Ocean Modeling, Earth Science, etc.</p>

Job Type	AIMEC Postdoctoral Researcher is expected to independently conduct the research subjects which are authorized by the Director under direction of a leader, and to improve their research qualities.
Requirements	Applicants are required to have a Ph.D. in a related field (including applicants expected to obtain a Ph.D. by the effective date of employment.) *Specific dates regarding eligibility are below; <ul style="list-style-type: none"> <li>· Applicants who have already been awarded a Ph.D. on or after May 1, 2019</li> <li>· Applicants who are expected to obtain a Ph.D. by September 30, 2024</li> </ul>
Work Place	a) Tohoku University Aobayama Campus, 6-3, Aoba, Aramaki, Aoba-ku, Sendai-city, Miyagi 980-8578, JAPAN  b) JAMSTEC Yokosuka Headquarters, 2-15 Natsushima-cho, Yokosuka-city, Kanagawa, 237-0061, JAPAN Yokohama Institute for Earth Science (YES), 3173-25, Showa-machi, Kanazawa-ku, Yokohama-city, Kanagawa, 236-0001, JAPAN Kochi Institute for Core Sample Research (KOCHI), 200 Monobe Otsu, Nankoku city, Kochi, 783-8502, JAPAN  *Tohoku University and Kochi Institute for Core Sample Research: Measures to prevent passive smoking: No smoking on the premises, no work in areas where smoking allowed. *Yokosuka Headquarters and Yokohama Institute for Earth Science: Measures to prevent passive smoking: No smoking on the premises (smoking areas are available outside), no work in areas where smoking allowed.
Working Conditions & Contract Period	(1) Number of positions: 10 positions for AIMEC Postdoctoral Researcher  (2) Type of contract: Fixed-term employee  (3) Working Hours: Discretionary working system for professional work *The determination of working hours allocation, including start and end times, as well as the method of carrying out research and development activities is left to the discretion of the employee.  (4) Contract Period: Total period will be terminated on June 30, 2027, three full calendar years after several contract renewals. *First contract period is from July 1, 2024, to March 31, 2025, in principle. *Effective date is negotiable. (In principal, employment will begin on October 1, 2024 at the latest. ) *Contract period can be renewed depending on the progress of WPI-AIMEC and work performance of the successful candidate. *Contract period might change due to budget constraints of WPI-AIMEC. *In the event of acquisition of childcare leave, acquisition of nursing care leave, or other special circumstances, the contract may be further renewed up to two years after the end of the contract period set forth. *On reaching the age of 65 during an employed fiscal year, the contract period will expire at the end of the same fiscal year. This bylaw may change. *These positions fall under Article 15-2, Act on Promotion of Science and Technology Innovation. *These positions are non-tenure-track, fixed-term employee positions. *Not eligible to apply for the tenure track system at Tohoku University, or the examination for the position of Permanent Employee at JAMSTEC.
Salary	Annual salary (paid in 1/12 equal monthly payments) JPY 5,600,000  *There is no raise. *Bonus and retirement allowance are included in the annual salary.

Terms of Employment	<p>(1) Upon appointment, the successful candidate will receive relocation allowances.</p> <p>(2) Allowance for commuting expenses will be provided.</p> <p>(3) Both of Tohoku University and JAMSTEC are fully covered by various insurances (health insurance, employee pension insurance, unemployment insurance, workers' accident compensation insurance, etc.) to promote welfare and benefits.</p> <p>*At Tohoku University, there is the Mutual Aid Association of the Ministry of Education, Culture, Sports, Science and Technology, and at JAMSTEC, there are the Corporate Pension Fund and Mutual Aid Association System, etc.</p> <p>(4) If the successful candidate's work place is at Tohoku University, they have the right to move into the Lodging House.</p> <p>If the successful candidate's work place is at JAMSTEC, housing lease service is not available.</p> <p>(5) Holidays and vacations: Saturdays, Sundays, public holidays, year-end, and New Year's holidays. Annual vacations with pay, special vacations, leave of absence to care for a family member, and maternity leave are provided.</p> <p>(6) Tohoku University has the largest on-site childcare environment of any national university in Japan, including the Kawauchi Keyaki Nursery School (22 children) and the Aobayama Midori Nursery School (116 children), which are available to all staff. There is also a nursery for children with minor illnesses and children after illnesses on the premises of the University Hospital, which is available for use by all university staff.</p>
Application Procedure	<p>(1) Required documents</p> <p>a) CV. Valid Email must be provided.</p> <p>b) Summary of your research (1 page)</p> <p>c) Research plan for WPI-AIMEC (1 page)</p> <p>d) "Publication (achievement) list" including thesis titles and "List of competitive research funds" awarded to the applicant</p> <p>*Please list publications in refereed (peer-reviewed) journals separately from unrefereed publications.</p> <p>*Include DOI codes if available.</p> <p>*If you have not been awarded any, include "none" in the list.</p> <p>e) Two (or fewer) representative publications</p> <p>*If you do not have a published paper, please upload a PDF stated "none".</p> <p>(2) Submission</p> <p>Please apply via the following website:</p> <p><a href="https://recruit.jobcan.jp/jamstec/entry/new/1901345">https://recruit.jobcan.jp/jamstec/entry/new/1901345</a></p> <p>*All files must be converted to PDF format.</p> <p>*Since some of the notation is in Japanese on the website, please refer to the following input procedure when entering your information.</p> <p>Application guide</p> <p>(3) Interview</p> <p>Applicants will be selected based on submitted application material, followed by an interview.</p> <p>*Web-based online interviews are expected basically.</p>
Closing Date	May 17, 2024 at 23:59 in Japan time
Contact	<p>WPI-AIMEC Research Promotion and Planning Division, Recruitment Desk</p> <p>Email: <a href="mailto:wpi-aimec_hr@jamstec.go.jp">wpi-aimec_hr@jamstec.go.jp</a></p> <p>*Please replace [at] with @ when addressing Emails and include "AIMEC Postdoc WAP24-001" in the subject line.</p>
Remarks	<p>(1) Submitted documents will be managed safely according to strict rules. Personal information received during the recruiting process will be used only for recruitment screening and appointment procedures and not for any other purposes.</p> <p>(2) Successful candidate should submit a certificate documenting their health upon appointment.</p> <p>(3) Please kindly inform us in case of withdrawal of your application by Email.</p> <p>(4) Above conditions may be changed at the discretion of the WPI-AIMEC.</p> <p>(5) For non-Japanese speakers, the interview and daily work will be conducted in English.</p>

Diversity and Inclusion	<p>Tohoku University promotes activities to improve Diversity, Equity &amp; Inclusion (DEI) and welcomes active applications from diverse individuals.</p> <p>With the aim of realizing an environment in which employees respect diversity in their academic, research, and professional activities, the University has established "Tohoku University - Everyone Plays a Leading Role - Guidelines on Diverse Sexuality" that outlines its policies and specific measures to be taken.</p> <p>In our quest to perform state-of-the-art research and develop scientific and technological innovations based on diverse values, JAMSTEC not only actively recruits women based on gender equality but also strives to create a work environment in which individuality is respected regardless of nationality, race, gender, self-recognition, age, or the presence or absence of disabilities.</p> <p>In response to the diverse needs of our employees, we will also promote more flexible work styles and environments, including shorter working hours and opportunities for discretionary work.</p>
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