

Proposal of NEXTA Postdoctoral Research Fellowship,  
Shimane University

1. Department: Next Generation Tatara Co-creation Centre (NEXTA), Organization for Industrial Innovation
2. Job type and the number of the post:  
NEXTA fellow (researcher, fixed period), 2 vacancies
3. Research field: Metallic materials science and engineering
4. Job description:
  - (1) The new position will be embedded into the Next Generation Tatara Co-creation Centre at Shimane University (Director: Prof. Roger Reed at University of Oxford), a newly built core institute within a national project in Shimane Prefecture aiming for “Creation of a Global Base for Advanced Metals -Next Generation TATARA Project-“, awarded by the Japan Cabinet Office from 2018. The Centre aims to conduct world-class research in superalloys for aircraft applications and applications of amorphous ribbon alloys to motor through in-depth collaborations and partnerships with industries as well as domestic and overseas universities. It endeavors positioning the Centre as an outstanding research base actively contributing to metallic-material industries and cultivating top young professional human capital.
  - (2) The Centre has four primary technical fields: computational modeling, processing and design, characterization and mechanical and magnetic testing. The new researcher is required to conduct research under the supervisors in collaboration with industries and with other domestic and overseas universities on the field of microstructural analysis using transmission electron microscopy for metals (supervised by Professor Kazuto Arakawa) or that of numerical simulation of machining or solidification of metals or gas atomization for metal powder production (supervised by Professor Junji Shinjo), or theoretical and numerical study on amorphous alloys (supervised by Associate Professor Naomi Hirayama).
5. Employment date: On or after 1 April 2021
6. Employment period: From the date of employment to 31 March 2022  
This position may be extended up to a maximum five years based on annual evaluations.
7. Work location:  
Matsue Campus, Shimane University, 1060 Nishikawatsu Matsue Shimane

6908504 JAPAN

8. Salary and benefits:

(1) Remuneration Annual Salary System: Salary amount is decided by the salary regulation for contract employees at Shimane University, 島根大学契約職員給与規程 (only in Japanese) . Various allowances including the housing allowance and commuting allowance, etc. are offered.

The salary regulation for contract employees at Shimane University are subject to revision. Visit the Shimane University official website for the Rules (in Japanese only).

<http://www.shimane-u.ac.jp/introduction/information/regulations/>

(2) Work hour: From 8:30a.m. to 5:15p.m.

(3) Overtime work: Not required.

(4) Holidays: Saturdays, Sundays, national holidays, dates between 29 December and 3 January

(5) Vacation, etc.: Annual paid leave and other leave (paid and non-paid leave).

(6) Insurance, etc.: The successful candidate shall enroll in the National Public Service Personnel Mutual Aid Associations, Worker's Accident Compensation Insurance, and Employment Insurance.

9. Probationary period: Not applied

10. Employer: National Shimane University, Japan

11. Qualification:

The applicants are required to hold or expect having doctorate degree or to be prospected to hold it by the employed day.

12. Application documents:

(1) CV

(2) Achievement list (Original article (with cited number), review article, book, patent, invited talk, external funding, and award)

(3) Copies of the three main authored papers

(4) Research background and future ambitions (one letter sheet)

(5) Contact details of two referable persons

(6) The applicants are required to submit a unified pdf document which includes above-mentioned (1) to (5) in order, to the following addressee (shown in 15) via e-mail.

The submitted documents will not be returned to the applicants. Application documents will not be used for purposes other than this job posting.

13. Period for the receipt of application document:

Negotiable. We may stop accepting applications when we reach the capacity.

14. Screening:

(1) 1<sup>st</sup> screening: document selection

(2) 2<sup>nd</sup> screening: Interview and research presentation by the applicants.

Shortlisted applicants in the 1<sup>st</sup> screening process will be notified the date of the 2<sup>nd</sup> selection interviewing process via email. We are not able to provide travel or accommodation expenses for applicants to participate in interviews and research presentations.

15. Addressee of the application document:

E-mail: tatara(a)office.shimane-u.ac.jp

\*Please replace (a) to @ when you send e-mail.

The e-mail title should be “Application for Tatara Researcher”, and the name of addressee should be “Director of Next Generation Tatara Co-creation Centre, Organization for Industrial Innovation, Shimane University”

16. Contact:

Prof. Kazuto Arakawa

Vice Director, Next Generation Tatara Co-creation Centre, Organization for Industrial Innovation, Shimane University

E-mail: tatara(a)office.shimane-u.ac.jp

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17. Notice of the result of screening:

Applicants will be notified about the selection result via e-mail.

18. Additional information:

Next Generation Tatara Co-creation Centre at Shimane University website:

<https://tatara.shimane-u.ac.jp/en/>

Shimane University supports applications from female scholars and promotes the co-activities of male and female scholars. <http://gender.shimane-u.ac.jp> (in Japanese)

To accelerate international research activities, we welcome applications from within Japan and overseas.