

Faculty Position in the Graduate School of Information Science and Technology, Osaka University

<p>Outline</p>	<p>Big data processing is now widely employed in all aspects of our lives. Usually, parts or copies of a huge amount of data are stored in separate locations, and is infeasible to be collected and processed in a centralized manner, as it would be exceedingly inefficient to transfer them over the network. We therefore need new software foundations based on which big data can be efficiently analyzed and shared in a distributed way.</p> <p>A highly relevant research area is bidirectional transformations, which provide a reliable mechanism for data synchronization. The study of bidirectional transformations originates from the long-standing problem of view-updating in databases, and has led to a rich collection of bidirectional languages with new programming models tailored for data synchronization. Despite the potential in solving practical synchronization problems including data interoperability, bidirectional technologies are not widely employed yet, and most applications of bidirectional transformations remain only proof of concept.</p> <p>In this research project, we aim to establish solid foundations for heterogeneous data integration, data sharing, interoperability, and to develop scalable and efficient heterogeneous database systems by further revising bidirectional transformation techniques.</p>
<p>1. Position</p>	<p>Specially Appointed Assistant Professor (Full-time)</p>
<p>2. Number of Positions</p>	<p>One</p>
<p>3. Affiliation</p>	<p>Big Data Engineering Course, Department of Multimedia Engineering, Graduate School of Information Science and Technology</p>
<p>4. Work Location</p>	<p>Suita Campus (1-5 Yamadaoka, Suita-city, Osaka)</p>
<p>5. Specialized Fields</p>	<p>Multimedia Engineering; in particular, Big Data engineering</p>
<p>6. Job Description</p>	<p>Research activities to establish solid foundations for data integration, data sharing, and system interoperability of autonomous distributed big data.</p>
<p>7. Qualifications</p>	<p>[Essential]</p> <p>(1) Ph.D. in computer science or related fields is required. (2) A strong background in, at least one of, the following topics; distributed data processing, query optimization for database system, data mining, machine learning, data integration, and system interoperability.</p>
<p>8. Starting Date</p>	<p>On July 1st, 2018 (or as soon as thereafter)</p>
<p>9. The Term of Employment</p>	<p>From the starting date to March 31st, 2019 *Contract may be renewed another year after the expiration of the term of contract (The maximum term of employment shall be until March 31, 2022 which is the completion of this project.)</p>
<p>10. Employment Form</p>	<p>Based on the ‘Regulations Pertaining to Working Hours, Holidays and Leave for National University Corporation Osaka University Limited Term Staff’ http://www.osaka-u.ac.jp/en/guide/information/joho/files/37.pdf *Discretionary Labor System, Special Work Type</p>

11. Salary and Benefits	<p>Based on the ‘Salary Regulations for National University Corporation Osaka University Limited Term Staff (Specially appointed Staff, etc.) Subject to Annual Salary System’ http://www.osaka-u.ac.jp/en/guide/information/joho/files/46.pdf</p> <p>Remuneration: 5,049,600 JPY per annum. (Monthly payments of one-twelfth of annual salary)</p> <p>Commuting allowance, housing allowance, dependent allowance, retirement allowance and bonus will not be provided.</p>
12. Insurance	<p>Successful candidate will join National Public Service Personnel Mutual Aid Associations, Employment Insurance and Workers’ Accident Compensation Insurance</p>
13. Application Documents	<p>Applications must be written in English or Japanese and include the following.</p> <ol style="list-style-type: none"> 1. Curriculum Vitae (photo attached) 2. List of research achievements and academic publications (Please classify publications into categories such as original paper, international conference paper, book, review paper, tutorial paper , patent and so on.) 3. Copy of your major original papers 4. Name and outline of prizes or awards you have received 5. Content of your Major research projects and their achievements (to two A4-size pages) 6. Names and contact information of three referees 7. English proficiency certificate such as TOEFL score
14. Sending Address / Contact Information	<p>Please send to Prof. Makoto Onizuka by email Tel: +81-6-6879-7750 E-mail: onizuka@ist.osaka-u.ac.jp *Write ‘Application for faculty position (specially appointed assistant professor (Full-time)) in Onizuka Lab.’ in the subject.</p>
15. Application Deadline	<p>March 31st, 2018. (Japan time) or until the position is filled</p>
16. Selection Process	<p>After documents have been reviewed, only shortlisted candidates will be interviewed. *Shortlisted candidates will be notified. Please note that unsuccessful applicants after initial screening will not be contacted. *Travel and accommodation fees necessary for interviews are to be covered by the applicant.</p>
17. Additional Information	<p>Please refer to ‘Work Regulations for National University Corporation Osaka University Limited Term Staff’ and other regulations for work and other related conditions. http://www.osaka-u.ac.jp/en/guide/information/joho/kitei_shugyou.html</p> <p>Information in this document is subject to change. Please confirm details at interview.</p> <p>Osaka University is promoting gender equality. (Reference: http://www.osaka-u.ac.jp/en/guide/diversity) Graduate School of Information Science and Technology enforces independent support. We encourage applications from women.</p>