


Requests for Collaboration

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<p>Research Interests</p> <ul style="list-style-type: none">● Personal memory support● Web people search● Information retrieval in libraries <p>Research areas: information retrieval and artificial intelligence</p>	
<p>Creative Achievements in The Application of New and Existing Science and Technology</p>	
<p>(1) Personal Memory Support This research constructs “externalized memory” to support human memory and creative activities. Our prototype system, which is called the “Memory-Organizer,” helps users construct externalized-memory and consists of the following seven browsers: a thinking space browser, an overlay web browser, an interest space browser, a map browser, a calendar browser, a knowledge space browser [1], and a tag browser [2]. The main feature of this research is extracting keywords from such various information sources as web browsing, SNSs, emails, and IMs and utilizing them.</p> <p>(2) Web People Search This research aims to help people select and understand people from the results of web people searches. We extracted such attribute information as birth dates, location, vocations, organizations, positions, and personal histories and generated various outputs: Wikipedia-like biographies [3], vitae and maps [4], and people directories [5]. The main feature of this research is to extract attribute information from the web and develop various applications.</p>	
<p>Technology (Product, Process, Device, Service etc.) That I Want to Request for Collaboration</p> <p>Some of the systems and heuristic algorithms we developed are based on Japanese culture and language. To broaden our research, we need deep natural language processing knowledge and technology for English. We also need native-English-speaking subjects who are living in western countries to evaluate our systems.</p>	
<p>A List of 5 Key Publications</p>	
<p>(1) Personal Memory Support [1] Harumi Murakami, Kenta Mitsuhashi and Keita Senba, Creating User's Knowledge Space from Various Information Usages to Support Human Recollection, IEA/AIE 2012, 2012. (In Jiang et al. (Eds.), Advanced Research in Applied Artificial Intelligence, LNAI 7345, Springer, pp.596-605.) [2] Masaki Matsumoto, Sho Matsuura, Kenta Mitsuhashi and Harumi Murakami, Supporting Human Recollection of the Impressive Events Using the Number of Photos, ICAART 2014 - Proceedings of the 6th International Conference on Agents and Artificial Intelligence, Vol.1, pp.538-543, 2014.</p> <p>(2) Web People Search [3] Harumi Murakami, Toshimune Konishi and Yoshinobu Ura, Generating Wikipedia-Like Biographical Sentences from Web People Search Results, 2017 6th IIAI International Congress on Advanced Applied Informatics IIAI-AAI 2017, pp.992-993, 2017. [4] Harumi Murakami, Chunliang Tang, Suang Wang and Hiroshi Ueda, Vitae and Map Display System for People on the Web, IEA/AIE 2014, 2014. (In Ali et al. (Eds.), Modern Advances in Applied Intelligence, LNAI 8482, Springer, pp.348-359.) [5] Harumi Murakami, Yoshinobu Ura and Yusuke Kataoka, Assigning Library Classification Numbers to People on the Web, AIRS 2013, 2013. (In Banchs et al. (Eds.), Information Retrieval Technology, LNCS 8281, Springer, pp.464-475.)</p>	