

CURRICULUM VITAE

CHENHUI CHU

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PERSONAL DETAILS

Gender: Male
Date of birth: 7th of October, 1986
Place of birth: Zhejiang, China
Present Citizenship: China

WORK

03/2017-Now Research assistant professor at Osaka University
04/2015-03/2017 Researcher of Japan Science and Technology Agency (JST)
04/2014-03/2015 JSPS Research Fellowship for Young Scientists (DC2)
11/2008-09/2010 SE in KN Information Systems Corporation, Japan

EDUCATION

10/2012-03/2015 Ph.D. in Information Science and Technology at Kyoto University, Japan
10/2010-09/2012 M.S. in Information Science and Technology at Kyoto University, Japan
09/2004-07/2008 B.E. in Software Engineering at Chongqing University, China

AWARDS

2014: CICLing2014 Best Student Paper Award
2013: Hattori International Scholarship Foundation Scholarship

RESEARCH INTEREST

Natural Language Processing, especially Machine Translation.

PUBLICATIONS

Journal Papers

1. [Chenhui Chu](#), Yu Shen, Fabien Cromieres and Sadao Kurohashi. Constrained Partial Parsing Based Dependency Tree Projection for Tree-to-Tree Machine Translation. *Journal of Natural Language Processing (JNLP)*, Vol.24, No.2, pp.267-296, (2017.3).
2. [Chenhui Chu](#), Toshiaki Nakazawa, Sadao Kurohashi. Integrated Parallel Sentence and Fragment Extraction from Comparable Corpora: A Case Study on Chinese-Japanese Wikipedia. *ACM Transactions on Asian and Low-Resource Language Information Processing (TALLIP)*, Vol.15 No.2, pp.10:1-10:22, (2015.12).
3. [Chenhui Chu](#), Toshiaki Nakazawa, Sadao Kurohashi. Parallel Sentence Extraction Based on Unsupervised Bilingual Lexicon Extraction from Comparable Corpora. *Journal of Natural Language Processing (JNLP)*, Vol.22 No.3, pp.139-170, (2015.9).
4. [Chenhui Chu](#), Toshiaki Nakazawa, Daisuke Kawahara and Sadao Kurohashi. Chinese-Japanese Machine Translation Exploiting Chinese Characters. *ACM Transactions on Asian Language Information Processing (TALIP)*, Vol.12, No.4, pp.16:1-16:25, (2013.10).

Book Chapters

1. [Chenhui Chu](#), Toshiaki Nakazawa and Sadao Kurohashi. Chinese-Japanese Parallel Sentence Extraction from Quasi-Comparable and Comparable Corpora. Book Chapter of *Using Comparable Corpora for Under-Resourced Areas of Machine Translation*, Springer, Chapter 7.3, pp.31-50, 2016.

Preprint Papers

1. [Chenhui Chu](#), Raj Dabre and Sadao Kurohashi. An Empirical Comparison of Simple Domain Adaptation Methods for Neural Machine Translation. arXiv:1701.03214, (2017.1).
2. [Chenhui Chu](#) and Sadao Kurohashi. Supervised Syntax-based Alignment between English Sentences and Abstract Meaning Representation Graphs. arXiv:1606.02126, (2016.6).

International Conference Papers

1. [Chenhui Chu](#), Raj Dabre and Sadao Kurohashi. An Empirical Comparison of Domain Adaptation Methods for Neural Machine Translation. In *Proceedings of the 55th Annual Meeting of the Association for Computational Linguistics (ACL 2017 short)*, Vancouver, Canada, (2017.7).

2. Chenhui Chu, Toshiaki Nakazawa, Daisuke Kawahara and Sadao Kurohashi. SCTB: A Chinese Treebank in Scientific Domain. In Proceedings of the 12th Workshop on Asian Language Resources (ALR12 2016), pp.59-67, Osaka, Japan, (2016.12).
3. Mo Shen, Wingmui Li, HyunJeong Choe, Chenhui Chu, Daisuke Kawahara and Sadao Kurohashi. Consistent Word Segmentation, Part-of-Speech Tagging and Dependency Labelling Annotation for Chinese Language. In Proceedings of the 26th International Conference on Computational Linguistics (COLING 2016), pp.298-308, Osaka, Japan, (2016.12).
4. Yu Shen, Chenhui Chu, Fabien Cromieres and Sadao Kurohashi. Cross-language Projection of Dependency Trees with Constrained Partial Parsing for Tree-to-Tree Machine Translation. In Proceedings of ACL 2016 First Conference on Machine Translation (WMT 2016), pp.1-11, Berlin, Germany, (2016.8).
5. Hitoshi Otsuki, Chenhui Chu, Toshiaki Nakazawa and Sadao Kurohashi. Dependency Forest based Word Alignment. In Proceedings of the ACL 2016 Student Research Workshop (ACL-SRW 2016), pp.8-14, Berlin, Germany, (2016.8).
6. Chenhui Chu and Sadao Kurohashi. Paraphrasing Out-of-Vocabulary Words with Word Embeddings and Semantic Lexicons for Low Resource Statistical Machine Translation. In Proceedings of the 10th Conference on International Language Resources and Evaluation (LREC 2016), pp.644-648, Portoroz, Slovenia, (2016.5).
7. Chenhui Chu, Raj Dabre and Sadao Kurohashi. Parallel Sentence Extraction from Comparable Corpora with Neural Network Features. In Proceedings of the 10th Conference on International Language Resources and Evaluation (LREC 2016), pp.2931-2935, Portoroz, Slovenia, (2016.5).
8. Antoine Bourlon, Chenhui Chu, Toshiaki Nakazawa and Sadao Kurohashi. Simultaneous Sentence Boundary Detection and Alignment with Pivot-based Machine Translation Generated Lexicons. In Proceedings of the 10th Conference on International Language Resources and Evaluation (LREC 2016), pp.2192-2198, Portoroz, Slovenia, (2016.5).
9. Raj Dabre, Chenhui Chu, Fabien Cromieres, Toshiaki Nakazawa and Sadao Kurohashi. Large-scale Dictionary Construction via Pivot-based Statistical Machine Translation with Significance Pruning and Neural Network Features. In Proceedings of the 29th Pacific Asia Conference on Language, Information and Computing (PACLIC 2015), pp.289-297, Shanghai, China, (2015.10).
10. Yu Shen, Chenhui Chu, Fabien Cromieres and Sadao Kurohashi. Cross-language Projection of Dependency Trees for Tree-to-tree Machine Translation. In Proceedings of the 29th Pacific Asia Conference on Language, Information and Computing (PACLIC 2015), pp.80-88, Shanghai, China, (2015.10).

11. Chenhui Chu, Toshiaki Nakazawa, Sadao Kurohashi. Improving Statistical Machine Translation Accuracy Using Bilingual Lexicon Extraction with Paraphrases. In Proceedings of the 28th Pacific Asia Conference on Language, Information and Computing (PACLIC 2014), pp.262-271, Phuket, Thailand, (2014.12).
12. Chenhui Chu, Toshiaki Nakazawa, Sadao Kurohashi. Constructing a Chinese-Japanese Parallel Corpus from Wikipedia. In Proceedings of the 9th Conference on International Language Resources and Evaluation (LREC 2014), pp.642-647, Reykjavik, Iceland, (2014.5).
13. Chenhui Chu, Toshiaki Nakazawa, Sadao Kurohashi. Iterative Bilingual Lexicon Extraction from Comparable Corpora with Topical and Contextual Knowledge. In Proceedings of the 15th International Conference on Intelligent Text Processing and Computational Linguistics (CICLing 2014), Kathmandu, Nepal, (2014.4). Springer Lecture Notes in Computer Science (LNCS) 8404, Part II, pp. 296-309. (**Best Student Paper Award**)
14. Chenhui Chu, Toshiaki Nakazawa and Sadao Kurohashi. Accurate Parallel Fragment Extraction from Quasi-Comparable Corpora using Alignment Model and Translation Lexicon. In Proceedings of the 6th International Joint Conference on Natural Language Processing (IJCNLP 2013, short paper), pp.1144-1150, Nagoya, Japan, (2013.10).
15. Chenhui Chu, Toshiaki Nakazawa and Sadao Kurohashi. Chinese-Japanese Parallel Sentence Extraction from Quasi-Comparable Corpora. In Proceedings of the 6th Workshop on Building and Using Comparable Corpora (BUCC 2013), pp.34-42, Sofia, Bulgaria, (2013.8).
16. Chenhui Chu, Toshiaki Nakazawa, Daisuke Kawahara and Sadao Kurohashi. Exploiting Shared Chinese Characters in Chinese Word Segmentation Optimization for Chinese-Japanese Machine Translation. In Proceedings of the 16th Annual Conference of the European Association for Machine Translation (EAMT 2012), pp.35-42, Trento, Italy, (2012.5).
17. Chenhui Chu, Toshiaki Nakazawa and Sadao Kurohashi. Chinese Characters Mapping Table of Japanese, Traditional Chinese and Simplified Chinese. In Proceedings of the 8th Conference on International Language Resources and Evaluation (LREC 2012), pp.2149-2152, Istanbul, Turkey, (2012.5).
18. Chenhui Chu, Toshiaki Nakazawa and Sadao Kurohashi. Japanese-Chinese Phrase Alignment Using Common Chinese Characters Information. In Proceedings of MT Summit XIII, pp.475-482, Xiamen, China, (2011.9).

System Description Papers

1. Fabien Cromieres, Chenhui Chu, Toshiaki Nakazawa and Sadao Kurohashi. Kyoto University Participation to WAT 2016. In Proceedings of the 3rd Workshop on Asian Translation (WAT 2016), pp.166-174, Osaka, Japan, (2016.12). (**1st Place in All 4 Tracks**)

2. John Richardson, Raj Dabre, Chenhui Chu, Fabien Cromieres, Toshiaki Nakazawa and Sadao Kurohashi. KyotoEBMT System Description for the 2nd Workshop on Asian Translation. In Proceedings of the 2nd Workshop on Asian Translation (WAT 2015), pp. 54–60, Kyoto, Japan, (2015.10).
3. Chenhui Chu, Toshiaki Nakazawa and Sadao Kurohashi. EBMT System of Kyoto University in OLYMPICS Task at IWSLT 2012. In Proceedings of the 9th International Workshop on Spoken Language Translation (IWSLT 2012), pp.96-101, Hong Kong, China, (2012.12).

Domestic Conference and Other Papers

1. Chenhui Chu, Raj Dabre and Sadao Kurohashi. An Empirical Comparison of Simple Domain Adaptation Methods for Neural Machine Translation. In Proceedings of the 23th Annual Meeting of the Association for Natural Language Processing (NLP 2017), Tsukuba, Japan, (2017.3).
2. Hitoshi Otsuki, Chenhui Chu, Toshiaki Nakazawa and Sadao Kurohashi. Hierarchical Word Alignment based on Dependency Forest. In Proceedings of the 22th Annual Meeting of the Association for Natural Language Processing (NLP 2016), pp.1101-1104, Sendai, Japan, (2016.3).
3. Chenhui Chu, Raj Dabre, Toshiaki Nakazawa and Sadao Kurohashi. Large-scale Japanese-Chinese Scientific Dictionary Construction via Pivot-based Statistical Machine Translation. In Proceedings of the 21th Annual Meeting of the Association for Natural Language Processing (NLP 2015), pp.99-102, Kyoto, Japan, (2015.3).
4. Chenhui Chu, Toshiaki Nakazawa and Sadao Kurohashi. Iterative Bilingual Lexicon Extraction from Comparable Corpora Using Topic Model and Context Based Methods. In Proceedings of the 20th Annual Meeting of the Association for Natural Language Processing (NLP 2014), pp.729-732, Sapporo, Japan, (2014.3).
5. Chenhui Chu, Toshiaki Nakazawa and Sadao Kurohashi. Japanese-Chinese Phrase Alignment Exploiting Shared Chinese Characters. In Proceedings of the 18th Annual Meeting of the Association for Natural Language Processing (NLP 2012), pp.143-146, Hiroshima, Japan, (2012.3).
6. Chenhui Chu and Keiji Shinzato. Chinese-Japanese Search Query Translation System. In Proceedings of 4th Rakuten R&D Symposium, Tokyo, Japan, (2011.11).

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