Welcome to the 15th biennial conference of the Association for Machine Translation in the Americas – AMTA 2022!

Dear MT Colleagues and Friends,

For this year’s conference of the Association for Machine Translation in the Americas – AMTA 2022 – we are finally able to come together in person at the venue we had intended to enjoy two years ago, the spectacular Sheraton Orlando Lake Buena Vista Resort in Orlando, Florida! We are very grateful that the COVID pandemic is now sufficiently controlled (albeit still with us) that we can once again meet, network, and enjoy one another’s company while expanding our knowledge of the ever-accelerating field of machine translation. At the same time, we will be joined by likely more than twice the number of remote attendees, as the last two years of virtual conferences and ongoing health concerns will forever more require us to adopt a hybrid conference format. While this format certainly creates complexity for organizers, and it can feel a little less personal as we interact with remote speakers and attendees, it nevertheless provides significantly greater accessibility and opportunities to learn from colleagues around the globe. We are grateful for their very positive contributions to our conference!

Since the MT Summit we hosted last year, we have continued to witness amazing progress in MT technology and tremendous growth in the adoption of this technology by individual translators, language services providers, small businesses, large enterprises, non-profits, governments, and NGOs. Indeed, a unique aspect of AMTA conferences is that it brings together users and practitioners from across the MT spectrum of academia, industry, and government so that R&D personnel can learn from those who are using the technology and vice versa.

We are pleased once again with the number of submissions to our conference. As MT has become more mainstream than ever, we have had to be more selective in the presentations included in our conference tracks. This is unfortunate on the one hand, but on the other, it demonstrates the growth of our field and the increasing quality and relevance of the work performed by so many people. Of special note this year is the emphasis on speech translation and dubbing, MT quality evaluation, and massively multilingual MT systems. These topics are reflected by the topics of our keynote speakers and panels in the conference schedule, and we trust you will find them most enlightening.

As with all our conferences, AMTA 2022 would simply not have been possible without the selfless work of so many people on the AMTA board and organizing committee, all of whom are volunteers. I express my deepest thanks, respect, and admiration to each one of them. They include:

Patti O’Neill-Brown, AMTA VP, Local Arrangements, Networking
Natalia Levitina, AMTA Secretary, Sponsorships
Jen Doyon, AMTA Treasurer, Local Arrangements
Kevin Duh, Research Track
Paco Guzman, Research Track
Janice Campbell, Users and Providers Track, Networking
Jay Marciano, Users and Providers Track, Workshops and Tutorials
Konstantin Savenkov, Users and Providers Track
Finally, I express my gratitude to our amazing sponsors, whose tremendous financial support has enabled us to handle the added complexity and cost of the hybrid format. Once again, greatly discounted student registrations have been provided by Microsoft, our Visionary++ sponsor, as well as an included conference banquet for in-person attendees. Systran has also contributed significantly to our online platforms as a Visionary sponsor. Our Leader-level sponsors are Pangeanic, Meta, Acclaro, AppTek, and Intento, and our Patron-level sponsors are AWS, Google RWS, Star, and Welocalize. Additional exhibitors are ModelFront and Unbabel, and our Media and Marketing sponsors are Slator, Multilingual, and Akorbi. Many of these sponsors and exhibitors will provide demonstrations of their systems and software during our Technology Exhibition sessions, and we hope that all our attendees will take advantage of this great opportunity to see the very latest commercial offerings and advancements in the world of MT.

Again, welcome to AMTA 2022! I look forward to finally being with many of you in person in Orlando and to interacting with many others online.

Steve Richardson
AMTA President and AMTA 2022 General Conference Chair
Introduction

The research track at AMTA 2022 continues the tradition of bringing MT practitioners together from academia, industry and government from around the world.

This year we have a very rich program with 25 papers from a variety of topics. The most popular subject this year is low-resource machine translation (32%), spanning from pre-training and adaptation to unseen languages, to gender bias evaluation for low-resource languages. In addition, we have many works discussing pre-processing and data adaptation (e.g. analyses on subword tokenization); applications of MT (e.g. website engagements, e-commerce search); and even papers discussing sign language translation. We are also excited about our invited keynote speakers for the research track: Angela Fan (Meta AI) will talk about Massively Multilingual MT.

We hope that this conference brings many productive exchanges of ideas and sparks future collaborations.

We would like to thank the hard work of individuals that made this happen: the authors, the reviewers, the timely emergency reviewers, the AMTA organizing committee; and Akiko Eriguchi for her help in preparing the proceedings and organizing session chairs.

Sincerely,

Kevin Duh and Francisco Guzmán (Research Track Co-Chairs)
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Contents

1 Building Machine Translation System for Software Product Descriptions Using Domain-specific Sub-corpora Extraction
   Pintu Lohar, Sinead Madden, Edmond O'Connor, Maja Popovic, Tanya Habruseva

14 Domain-Specific Text Generation for Machine Translation
   Yasmin Moslem, Rejwanul Haque, John Kelleher, Andy Way

32 Strategies for Adapting Multilingual Pre-training for Domain-Specific Machine Translation
   Neha Verma, Kenton W Murray, Kevin Duh

47 Prefix Embeddings for In-context Machine Translation
   Suzanna Sia, Kevin Duh

61 Fast Vocabulary Projection Method via Clustering for Multilingual Machine Translation on GPU
   Hossam Amer, Mohamed Afify, Young Jin Kim, Hitokazu Matsushita, Hany Hassan

74 Language Tokens: Simply Improving Zero-Shot Multi-Aligned Translation in Encoder-Decoder Models
   Muhammad N ElNokrashy, Amr Hendy, Mohamed Maher, Mohamed Afify, Hany Hassan

88 Low Resource Chat Translation: A Benchmark for Hindi–English Language Pair
   Baban Gain, Ramakrishna Appicharla, Asif Ekbal, muthusamy chelliah, Soumya Chennabasavraj, Nikesh Garera
103  How Robust is Neural Machine Translation to Language Imbalance in Multilingual Tokenizer Training?

Shiyue Zhang, Vishrav Chaudhary, Naman Goyal, James Cross, Guillaume Wenzek, Mohit Bansal, Francisco Guzman

124  How Effective is Byte Pair Encoding for Out-Of-Vocabulary Words in Neural Machine Translation?

Ali Araabi, Christof Monz, Vlad Niculae

139  On the Effectiveness of Quasi Character-Level Models for Machine Translation

Salvador Carrión-Ponz, Francisco Casacuberta

153  Improving Translation of Out Of Vocabulary Words using Bilingual Lexicon Induction in Low-Resource Machine Translation

Jonas Waldendorf, Alexandra Birch, Barry Hadow, Antonio Valerio Micele Barone

167  Doubly-Trained Adversarial Data Augmentation for Neural Machine Translation

Weiting Tan, Shuoyang Ding, Huda Khayrallah, Philipp Koehn

186  Limitations and Challenges of Unsupervised Cross-lingual Pre-training

Martín Quesada Zaragoza, Francisco Casacuberta

200  Few-Shot Regularization to Tackle Catastrophic Forgetting in Multilingual Machine Translation

Salvador Carrión-Ponz, Francisco Casacuberta

213  Quantized Wasserstein Procrustes Alignment of Word Embedding Spaces

Prince O Aboagye, Yan Zheng, Michael Yeh, Junpeng Wang, Zhongfang Zhuang, Huiyuan Chen, Liang Wang, Wei Zhang, Jeff Phillips
<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>229</td>
<td>Refining an Almost Clean Translation Memory Helps Machine Translation</td>
<td>Shivendra Bhardwa, David Alfonso-Hermelo, Philippe Langlais, Gabriel Bernier-Colborne, Cyril Goutte, Michel Simard</td>
</tr>
<tr>
<td>242</td>
<td>Practical Attacks on Machine Translation using Paraphrase</td>
<td>Elizabeth M Merkhofer, John Henderson, Abigail Gertner, Michael Doyle, Lily Wong</td>
</tr>
<tr>
<td>256</td>
<td>Sign Language Machine Translation and the Sign Language Lexicon: A Linguistically Informed Approach</td>
<td>Irene Murtagh, Víctor Ubieto Nogales, Josep Blat</td>
</tr>
<tr>
<td>269</td>
<td>A Neural Machine Translation Approach to Translate Text to Pictographs in a Medical Speech Translation System - The BabelDr Use Case</td>
<td>Jonathan Mutal, Pierrette Bouillon, Magali Norré, Johanna Gerlach, Lucia Ormaechea Grijalba</td>
</tr>
<tr>
<td>282</td>
<td>Embedding-Enhanced GIZA++: Improving Low-Resource Word Alignment Using Embeddings</td>
<td>Kelly Marchisio, Conghao Xiong, Philipp Koehn</td>
</tr>
<tr>
<td>293</td>
<td>Gender bias Evaluation in Luganda-English Machine Translation</td>
<td>Eric Peter Wairagala</td>
</tr>
<tr>
<td>307</td>
<td>Adapting Large Multilingual Machine Translation Models to Unseen Low Resource Languages via Vocabulary Substitution and Neuron Selection</td>
<td>Mohamed A Abdelghaffar, Amr El Mogy, Nada Ahmed Sharaf</td>
</tr>
<tr>
<td>319</td>
<td>Measuring the Effects of Human and Machine Translation on Website Engagement</td>
<td>Geza Kovacs, John DeNero</td>
</tr>
<tr>
<td>331</td>
<td>Consistent Human Evaluation of Machine Translation across Language Pairs</td>
<td>Daniel Licht, Cynthia Gao, Janice Lam, Francisco Guzman, Mona Diab, Philipp Koehn</td>
</tr>
</tbody>
</table>
Evaluating Machine Translation in Cross-lingual E-Commerce Search

Hang Zhang, Liling Tan, Amita Misra