

# **Workshop on Empirical Translation Process Research**

Held at AMTA 2022

Orlando, Florida, USA  
12-16 September 2022

ISBN: 978-1-7138-6760-9

**Printed from e-media with permission by:**

Curran Associates, Inc.  
57 Morehouse Lane  
Red Hook, NY 12571



**Some format issues inherent in the e-media version may also appear in this print version.**

Copyright© (2022) by the Association for Computational Linguistics  
All rights reserved.

Copyright for individual papers remains with the authors and are licensed under a Creative Commons 4.0 license, CC-BY-ND. (<https://creativecommons.org/licenses/by-nd/4.0/>)

Printed with permission by Curran Associates, Inc. (2023)

For permission requests, please contact the Association for Computational Linguistics at the address below.

Association for Computational Linguistics  
209 N. Eighth Street  
Stroudsburg, Pennsylvania 18360

Phone: 1-570-476-8006

Fax: 1-570-476-0860

[acl@aclweb.org](mailto:acl@aclweb.org)

**Additional copies of this publication are available from:**

Curran Associates, Inc.  
57 Morehouse Lane  
Red Hook, NY 12571 USA  
Phone: 845-758-0400  
Fax: 845-758-2633  
Email: [curran@proceedings.com](mailto:curran@proceedings.com)  
Web: [www.proceedings.com](http://www.proceedings.com)

# Contents

- 1 The graphical brain and deep inference  
Karl Friston
- 2 Differentiated measurements for fatigue and demotivation/amotivation in translation - lessons learnt from fatigue and motivation studies  
Junyi Mao
- 15 Investigating the Impact of Different Pivot Languages on Translation Quality  
Longhui Zou, Ali Saeedi, Michael Carl
- 29 Predicting the Number of Errors in Human Translation using Source Text and Translator Characteristics  
Haruka Ogawa
- 41 The impact of translation competence on error recognition of neural MT  
Moritz J Schaeffer
- 49 Syntactic Cross and Reading Effort in English to Japanese Translation  
Takanori Mizowaki, Haruka Ogawa, Masaru Yamada
- 60 Proficiency and External Aides: Impact of Translation Brief and Search Conditions on Post-editing Quality  
Longhui Zou, Michael Carl, Masaru Yamada, Takanori Mizowaki
- 75 Entropy as a measurement of cognitive load in translation  
Yuxiang Wei