SUBSCRIPTIONS

Natural Language Engineering (ISSN 1351-3249; electronic 1469-8110) is published six times a year in January, March, May, July, September and November. Six parts form a volume. The subscription price (excluding VAT and sales tax) of volume 25 (2019) (which includes postage) is £407 net (US\$664 in the USA, Canada and Mexico) for institutions print and electronic, institutions electronic only £337/\$555; £49 net (US\$79 in the USA, Canada and Mexico) for individuals ordering direct from the publisher and certifying that the journal is for their personal use. Single parts are £75 (US\$125 in the USA, Canada and Mexico) plus postage.

Orders, which must be accompanied by payment, may be sent to a bookseller, subscription agent or direct to the publisher: Cambridge University Press, Journals Fulfillment Department, UPH, Shaftesbury Road, Cambridge CB2 8BS, UK; or in the USA, Canada and Mexico: Cambridge University Press, Journals Fulfillment Department, 1 Liberty Plaza, Floor 20, New York, NY 10006, USA. EU subscribers who are not registered for VAT should add VAT at their country's rate. VAT registered subscribers should provide their VAT registration number. Japanese prices for institutions are available from Kinokuniya Company Ltd, PO Box 55, Chitose, Tokyo 156, Japan.

COPYING

This journal is registered with the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, USA. Organizations in the USA who are also registered with C.C.C. may therefore copy material (beyond the limits permitted by sections 107 and 108 of U.S. Copyright law) subject to payment to C.C.C. of the per-copy fee of \$16.00. This consent does not extend to multiple copying for promotional or commercial purposes. Code 1351-3249/2015. *ISI Tear Sheet Service*, 3501 Market Street, Philadelphia, PA 19104, USA, is authorised to supply single copies of

separate articles for private use only.

Organisations authorised by the Copyright Licensing Agency may also copy material subject to the usual conditions.

For all other use, permission should be sought from Cambridge or from the American Branch of Cambridge University Press.

INSTRUCTIONS FOR CONTRIBUTORS

Instructions for Contributors will be found on the Journal's webpage at www.cambridge.org/nle

This journal and other journals are included in the Cambridge Journals Online service which can be found at journals.cambridge.org

© Cambridge University Press 2019

This journal issue has been printed on FSC-certified paper and cover board. FSC is an independent, non-governmental, non-for-profit organization established to promote the responsible management of the world's forests. Please see www.fsc.org for information.

NATURAL LANGUAGE ENGINEERING

Volume 25 Part 3 May 2019

1 215

1 6

CONTENTS

ARTICLES

Integrating LSA-based hierarchical conceptual space and machine learning methods for leveling the readability of domain-specific texts <i>Hou-Chiang Tseng, Berlin Chen, Tao-Hsing Chang and Yao-Ting Sung</i>	331
A learning to rank approach for cross-language information retrieval exploiting multiple translation resources <i>Hosein Azarbonyad, Azadeh Shakery and Heshaam Faili</i>	363
Annotation projection for temporal information extraction Chris R. Giannella, Ransom K.Winder and Joseph P. Jubinski	385
Anniversary article: Then and now: 25 years of progress in natural language engineering <i>John Tait and Yorick Wilks</i>	405
Anniversary INDUSTRY WATCH	
NLP commercialisation in the last 25 years Robert Dale	419

The cover illustration is computer generated from an engraving of the Tower of Babel in an eighteenth-century bible.

Cambridge Core For further information about this journal please go to the journal website at:

cambridge.org/nle



MIX Paper from responsible sources FSC[®] C007785



017/S1351324919000159 Published online by Cambridge University Press