

2013 • NUMBER 221

# INTERNATIONAL JOURNAL OF THE SOCIOLOGY OF LANGUAGE

LANGUAGE COMPETITION AND LINGUISTIC DIFFUSION:  
INTERDISCIPLINARY MODELS AND CASE STUDIES

## ISSUE EDITORS

*Lucía Loureiro-Porto*

Universitat de les Illes Balears

Edifici Ramon Llull

Cra. de Valldemossa, km 7.5

E-07122 Palma de Mallorca

Spain

Email: [lucia.loureiro@uib.es](mailto:lucia.loureiro@uib.es)

*Johannes Kabatek*

Universität Tübingen

Romanisches Seminar

Wilhelmstr. 50

D-72074 Tübingen

Germany

Email: [kabatek@uni-tuebingen.de](mailto:kabatek@uni-tuebingen.de)

## GENERAL EDITOR

*Joshua A. Fishman*

New York University

E-mail: [JoshuaFishmanNY@gmail.com](mailto:JoshuaFishmanNY@gmail.com)

Snail mail address:

3616 Henry Hudson Parkway

Apt. 7B-N, Bronx, NY 10463

USA

Fax: +1 718-796-8155

## ASSOCIATE GENERAL EDITOR

*Ofelia García*

The Graduate Center of the City

University of New York

365 Fifth Avenue

New York, NY 10016-4309

USA

E-mail: [ogarcia@gc.cuny.edu](mailto:ogarcia@gc.cuny.edu)

## 'SINGLES' EDITOR

*Florian Coulmas*

Deutsches Institut f. Japanstudien

Jochi Kioizaka Bld. 2F

7-1 Kioicho

Chiyoda-ku, Tokyo 102-0094

Japan

E-mail: [coulmas@dijsokyo.org](mailto:coulmas@dijsokyo.org)

## SLSLC EDITOR

*Emily McEwan-Fujita*

2 Graham Street

Dartmouth NS B3A 3H7

Canada

E-mail: [sllslc.editor@gmail.com](mailto:sllslc.editor@gmail.com)

**DE GRUYTER  
MOUTON**

## EDITORIAL BOARD 2010–2015

*E. Annamalai*

India

*Herman Batibo*

University of Botswana

*Matthias Brenzinger*

University of Cape Town, South Africa

*David M. Bunis*

Hebrew University of Jerusalem, Israel

*Nikolas Coupland*

Copenhagen University and

University of Technology Sydney

*Paulin Djité*

University of Western Sydney,

Australia

*Guus Extra*

Tilburg University, The Netherlands

*Rosalie Finlayson*

University of South Africa UNISA

*Jala Garibova*

Azerbaijan University of Languages

*Federica Guerini*

Università degli Studi di Bergamo,

Italy

*Rainer Enrique Hamel*

U. Autónoma Metropolitana, Mexico

*Patrick Heinrich*

Dokkyo University, Tokyo

*Christine Hélot*

University of Strasbourg, France

*Francis M. Hult*

Lund University, Sweden

*Herbert Igboanusi*

University of Ibadan, Nigeria

*Volodymyr Kulyk*

National Academy of Sciences  
of Ukraine

*Tiffany Lee*

University of New Mexico, USA

*Joseph Lo Bianco*

University of Melbourne, Australia

*John Maher*

Intern. Christian University, Japan

*Francisco Moreno-Fernández*

University of Alcalá, Spain

*Tope Omoniyi*

Roehampton University, UK

*Ricardo Otheguy*

Graduate Center, CUNY, USA

*Rakhmiel Peltz*

Drexel University, USA

*Mark Sebba*

Lancaster University, UK

*Elana Shohamy*

Tel Aviv University, Israel

*Mauro Tosco*

University of Turin, Italy

*Guadalupe Valdés*

Stanford University, USA

*Li Wei*

Birkbeck, University of London,  
UK

Single issues of the **International Journal of the Sociology of Language** are available separately. Issues from the current and previous year are available directly from Mouton de Gruyter. E-mail: [degruyter@s-f-g.com](mailto:degruyter@s-f-g.com). Older issues are available through Schmidt Periodicals. E-mail: [schmidt@periodicals.com](mailto:schmidt@periodicals.com).

- |      |          |                                                                                                                                     |
|------|----------|-------------------------------------------------------------------------------------------------------------------------------------|
| 2009 | 195:     | Sociolinguistic and Subjective Aspects of Welsh in Wales and its Diaspora, NIKOLAS COUPLAND and MICHELLE ALDRIDGE                   |
|      | 196/197: | Dialect Death in Europe, DAVID BRITAIN, REINHILD VANDEKERCKHOVE, and WILLY JONGENBURGER                                             |
|      | 198:     | Sociolinguistic Issues in Azerbaijan, JALA GARIBOVA                                                                                 |
|      | 199:     | 'Singles Issue': Multilingualism and Language Politics: New Challenges, FLORIAN COULMAS                                             |
|      | 200:     | Social Aging and Language, PETER BACKHAUS and FLORIAN COULMAS                                                                       |
| 2010 | 201:     | Languages and Language Ideologies in Ukraine, VOLODYMYR KULYK                                                                       |
|      | 202:     | Scales of Multilingualism: Toward Multilayered Analysis of Linguistic Diversity, FRANCIS M. HULT                                    |
|      | 203:     | Spanish in a New York Corpus: Structure, Variation and Contact, RICARDO OTHEGUY                                                     |
|      | 204:     | The Linguistic Consequences of Globalization: The Nordic Countries, TORE KRISTIANSEN and HELGE SANDØY                               |
|      | 205:     | The Diversity of Multilingualism, LARISSA ARONIN and DAVID SINGLETON                                                                |
|      | 206:     | 'Singles Issue': Challenges to Sociolinguistic Theory: Realities on the Ground, FLORIAN COULMAS                                     |
| 2011 | 207:     | Translators and Interpreters: Geographic Displacement and Linguistic Consequences, CLAUDIA V. ANGELELLI                             |
|      | 208:     | Affective Aspects of Second and Foreign Languages, MIRIAM EBSWORTH                                                                  |
|      | 209:     | The Many Faces of Language Emancipation, LEENA HUSS and SHAUN NOLAN                                                                 |
|      | 210:     | Italian Sociolinguistics, FEDERICA GUERINI and SILVIA DAL NEGRO                                                                     |
|      | 211:     | Sociolinguistics of Tunisia, LOTFI SAYAHI                                                                                           |
|      | 212:     | 'Singles Issue': Untrodden Paths in Linguistic Identity Research, FLORIAN COULMAS                                                   |
| 2012 | 213:     | Cultural Autonomy and Fishmanian Sociolinguistics, OFELIA GARCÍA and GELLA SCHWIED FISHMAN                                          |
|      | 214:     | Language Use in Melanesia, PETER UNSETH and LYNN LANDWEER                                                                           |
|      | 215:     | Putonghua and Minority Languages in China, MINGLANG ZHOU                                                                            |
|      | 216:     | Language and the International University, HARTMUT HABERLAND and JANUS MORTENSEN                                                    |
|      | 217:     | The Kurdish Linguistic Landscape, JAFFER SHEYHOLISLAMI, AMIR HASSANPOUR and TOVE SKUTNABB-KANGAS                                    |
|      | 218:     | 'Singles Issue': Language Identification Reconsidered, FLORIAN COULMAS                                                              |
| 2013 | 219:     | Ethnography of Language Policy: Theory, Method and Practice, DAVID CASSELS JOHNSON                                                  |
|      | 220:     | Religion and Language, SIPRA MUKHERJEE                                                                                              |
|      | 221:     | Language Competition and Linguistic Diffusion: Interdisciplinary Models and Case Studies, LUCÍA LOUREIRO-PORTO and JOHANNES KABATEK |
|      | 222:     | Migration, Language Maintenance and Shift, GARY BARKHUIZEN and NKONKO M. KAMWANGAMALU                                               |
|      | 223:     | Breton: The Post-Vernacular Challenge, MICHAEL HORNSBY and DICK VIGERS                                                              |
|      | 224:     | 'Singles Issue', FLORIAN COULMAS                                                                                                    |



# Contents

Johannes Kabatek and Lucía Loureiro-Porto

**Mathematical models meet linguistic data and vice versa: an introduction to this special issue — 1**

Paulo Murilo Castro de Oliveira, Adriano O. Sousa and Søren Wichmann

**On the disintegration of (proto-)languages — 11**

Xavier Castelló, Lucía Loureiro-Porto and Maxi San Miguel

**Agent-based models of language competition — 21**

Elena Markus and Fedor Rozhanskiy

**Correlation between social and linguistic parameters in modeling language contact: evidence from endangered Finnic varieties — 53**

Silke Jansen

**Language maintenance and language loss in marginalized communities: the case of the *bateyes* in the Dominican Republic — 77**

Conxita Lleó and Susana Cortés

**Modeling the outcome of language contact in the speech of German-Spanish and Catalan-Spanish bilingual children — 101**

Magdalena Romera and Gorka Elordieta

**Prosodic accommodation in language contact: Spanish intonation in Majorca — 127**

## Book reviews

Daniela Schon

***Linguistic identities, language shift and language policy in Europe*, edited by Bert Cornillie, José Lambert and Pierre Swiggers — 153**

François Grin

***New perspectives on endangered languages*, edited by José Antonio Flores Farfán and Fernando Ramallo — 163**

