

Mathematics

Books and Journals from
Cambridge University Press

Cambridge is a world leading publisher in pure and applied mathematics, with an extensive programme of high quality books and journals that reaches into every corner of the subject.

Our catalogue reflects not only the breadth of mathematics but also its depth, with titles for undergraduate students, for graduate students, for researchers and for users of mathematics.

We are proud to include world class researchers and influential educators amongst our authors, and also to publish in partnership with leading mathematical societies.

COS u

For further details visit:
cambridge.org/core-mathematics

tg u

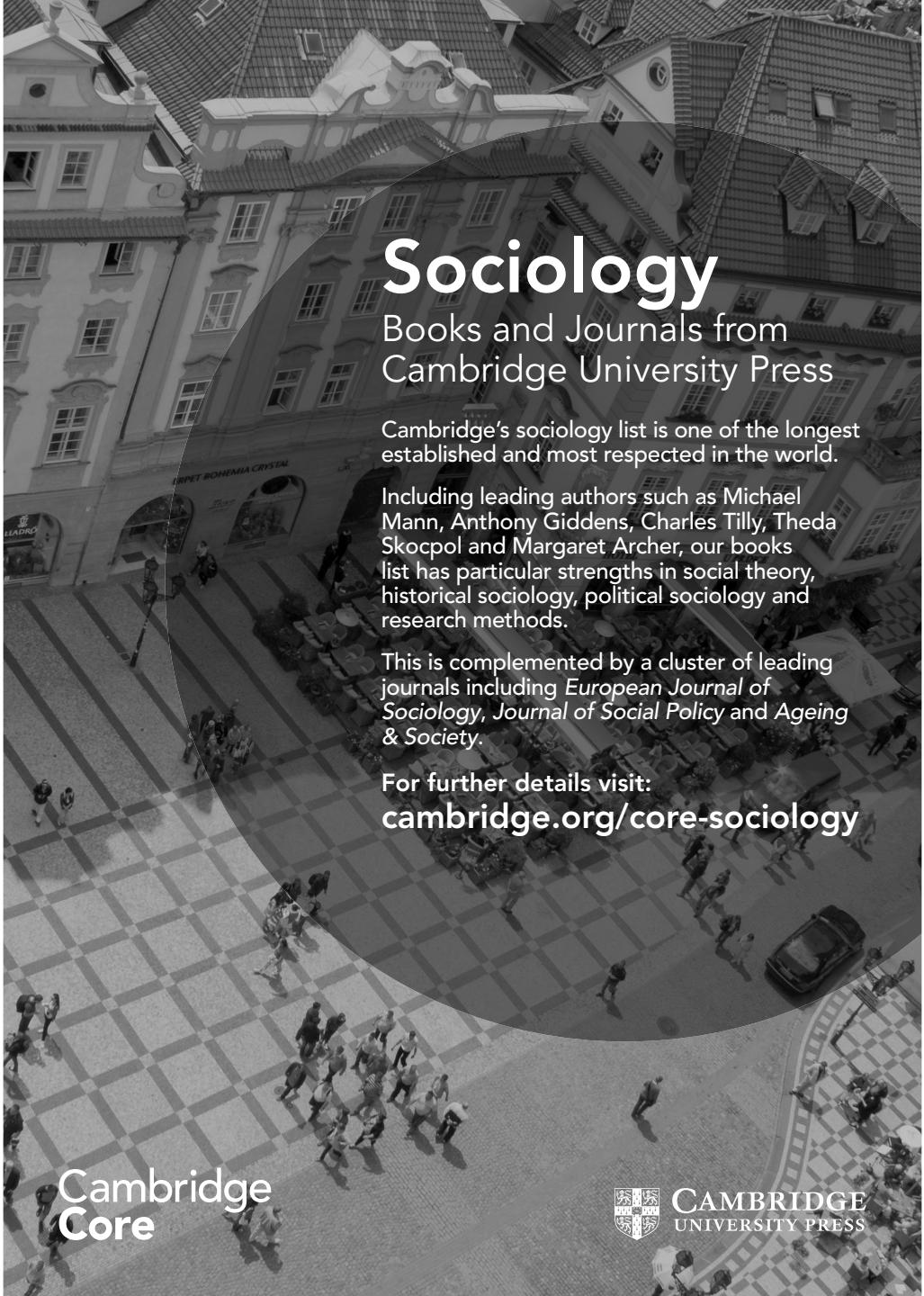
sin u



CAMBRIDGE
UNIVERSITY PRESS
cotg u

Cambridge
Core

T'



Sociology

Books and Journals from
Cambridge University Press

Cambridge's sociology list is one of the longest established and most respected in the world.

Including leading authors such as Michael Mann, Anthony Giddens, Charles Tilly, Theda Skocpol and Margaret Archer, our books list has particular strengths in social theory, historical sociology, political sociology and research methods.

This is complemented by a cluster of leading journals including *European Journal of Sociology*, *Journal of Social Policy* and *Ageing & Society*.

For further details visit:
cambridge.org/core-sociology

Cambridge
Core



CAMBRIDGE
UNIVERSITY PRESS

NETWORK SCIENCE

Volume 4

Number 4

CONTENTS

Articles

Properties of latent variable network models RICCARDO RASTELLI, NIAL FRIEL AND ADRIAN E. RAFTERY	407
Spectral ranking SEBASTIANO VIGNA	433
Brokerage-based attack on real world temporal networks SOUVIK SUR, NILOY GANGULY AND ANIMESH MUKHERJEE	446
Focus statistics for testing network centrality on uncorrelated random graphs TAI-CHI WANG AND FREDERICK KIN HING PHOA	460
Closeness centralization measure for two-mode data of prescribed sizes MATJAŽ KRNC, JEAN-SÉBASTIEN SERENI, RISTE ŠKREKOVSKI AND ZELEALEM B. YILMA	474
A universal model for growth of user population of products and services CHOUJUN ZHAN AND CHI K. TSE	491
NetworKit: A tool suite for large-scale complex network analysis CHRISTIAN L. STAUDT, ALEKSEJS SAZONOVS AND HENNING MEYERHENKE	508

Manuscript Submission Guidelines

Manuscripts for consideration for *Network Science* should be submitted electronically, using the Manuscript Central System at <http://journals.cambridge.org/NWS>. This system will allow authors to benefit from faster review and earlier, online publication. Authors who are unable to submit online should contact the NWS Editorial Office (at networkscience@cambridge.org) for assistance.

For more detailed instructions for contributors please go to cambridge.org/nws.

<https://doi.org/10.1017/nws.2016.30> Published online by Cambridge University Press

EDITORS

Ulrik Brandes, Computer Science and Mathematics, University of Konstanz, Germany

Ronald Breiger, Social and Political Science, University of Arizona, USA

Noshir Contractor, Communication, Management, and Computational Social Science, Northwestern University, USA

Filippo Menczer, Information Science, Indiana University, USA

Jaideep Srivastava, Engineering and Web Science, University of Minnesota, USA

Thomas Valente, Public Health and Medicine, University of Southern California, USA

Fernando Vega-Redondo, Economics, Bocconi University, Italy

Alessandro Vespignani, Physics, Northeastern University, USA

Stanley Wasserman (Coordinating Editor), Statistics and Behavioral Science, Indiana University, USA



Cambridge Core

For further information about this journal please

go to the journal web site at:

cambridge.org/nws

CAMBRIDGE
UNIVERSITY PRESS