

The Century of Science

The Global Triumph of the Research University

International Perspectives on Education and Society

Vol. 33

Justin J. W. Powell

University of Luxembourg, Luxembourg

David P. Baker

Pennsylvania State University, USA

Frank Fernandez

Pennsylvania State University, USA



Format: Hardback

Pagination: 350

Price: £72.95 \$124.95 €97.95

Publication date: 15 Sep 2017

ISBN: 9781787144705

About the Book

In *The Century of Science*, a multicultural, international team of authors examine the global rise of scholarly research in science, technology, engineering, mathematics, and health (STEM+) fields. This insightful text provides historical and sociological understandings of the ways that higher education has become an institution that, more than ever before, shapes science and society. Case studies, supported by the most historically and spatially extensive database on STEM+ publications available, of selected countries in Europe, North America, East Asia, and the Middle East, emphasize recurring themes: the institutionalization and differentiation of higher education systems to the proliferation of university-based scientific research fostered by research policies that support continued university expansion leading to the knowledge society. Growing worldwide, research universities appear to be the most legitimate sites for knowledge production.

The chapters offer new insights into how countries develop the university-based knowledge thought fundamental to meeting social needs and economic demands. Despite repeated warnings that universities would lose in relevance to other organizational forms in the production of knowledge, these findings demonstrate incontrovertibly that universities have become more—not less—important actors in the world of knowledge. The past hundred years have seen the worldwide triumph of the research university.