



The Cambridge handbook of computing education research /

Fincher, Sally (1959-),
editor
Robins, Anthony (Anthony V.),
editor

Cambridge University Press,
2019

Monografía

This Handbook describes the extent and shape of computing education research today. Over fifty leading researchers from academia and industry (including Google and Microsoft) have contributed chapters that together define and expand the evidence base. The foundational chapters set the field in context, articulate expertise from key disciplines, and form a practical guide for new researchers. They address what can be learned empirically, methodologically and theoretically from each area. The topic chapters explore issues that are of current interest, why they matter, and what is already known. They include discussion of motivational context, implications for practice, and open questions which might suggest future research. The authors provide an authoritative introduction to the field and is essential reading for policy makers, as well as both new and established researchers

<https://rebiunoda.pro.baratznet.cloud:28443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhemF0ei5yZW4vMjQyNzY5NDM>

Título: The Cambridge handbook of computing education research edited by Sally A. Fincher, University of Kent ; Anthony V. Robins, University of Otago

Editorial: Cambridge Cambridge University Press 2019

Descripción física: 1 recurso electrónico

Mención de serie: CUP ebooks Cambridge handbooks in psychology

Bibliografía: Incluye referencias bibliográficas e índice

Contenido: An important and timely field / Sally A. Fincher and Anthony V. Robins -- The history of computing education research / Mark Guzdial and Benedict du Boulay -- Computing education research today / Sally A. Fincher, Josh Tenenber, Brian Dorn, Christopher Hundhausen, Robert McCartney and Laurie Murphy -- Computing education : literature review and voices from the field / Paulo Blikstein and Sepi Hejazi Moghadam -- A study design process / Andrew J. Ko and Sally A. Fincher -- Descriptive statistics / Patricia Haden -- Inferential

statistics / Patricia Haden -- Qualitative methods for computing education / Josh Tenenbergh -- Learning sciences for computing education / Lauren E. Margulieux, Brian Dorn, and Kristin A. Searle -- Cognitive sciences for computing education / Anthony V. Robins, Lauren E. Margulieux, and Briana B. Morrison -- Higher education pedagogy / Kerry Shephard -- Engineering education research / Michael C. Loui and Maura Borrego -- Novice programmers and introductory programming / Anthony V. Robins -- Programming paradigms and beyond / Shriram Krishnamurthi and Kathi Fisler -- Assessment and plagiarism / Thomas Lancaster, Anthony V. Robins, and Sally A. Fincher -- Pedagogic approaches / Katrina Falkner and Judy Sheard -- Equity and diversity / Colleen M. Lewis, Nirali Shah, and Katrina Falkner -- Computational thinking / Paul Curzon, Tim Bell, Jane Waite, and Mark Dorling -- Schools (K-12) / Jan Vahrenhold, Quintin Cutts, and Katrina Falkner -- Computing for other disciplines / Mark Guzdial -- New programming paradigms / R. Benjamin Shapiro and Mike Tissenbaum -- Tools and environments / Lauri Malmi, Ian Utting, and Andrew J. Ko -- Tangible computing / Michael Horn and Marina Bers -- Leveraging the integrated development environment / Adam Carter, Christopher Hundhausen, and Daniel Olivares -- Teacher knowledge for inclusive computing learning / Joanna Goode and Jean J. Ryoo -- Teacher learning and professional development / Sally A. Fincher, Yifat Ben-David Kolikant, and Katrina Falkner -- Learning outside the classroom / Andrew Begel and Andrew J. Ko -- Student knowledge and misconceptions / Colleen M. Lewis, Michael J. Clancy, and Jan Vahrenhold -- Motivation, attitudes, and dispositions / Alex Lishinski and Aman Yadav -- Students as teachers and communicators / Beth Simon, Christopher Hundhausen, Charlie McDowell, Linda Werner, Helen Hu, and Clif Kussmaul -- A case study of peer instruction: from University of California, San Diego to the computer science community / Leo Porter and Beth Simon -- A case study of qualitative methods / Colleen M. Lewis

Detalles del sistema: Forma de acceso: World Wide Web

ISBN: 9781108654555 110865455X 9781108496735 hardback) 1108496733 hardback) 9781108721899 paperback) 1108721893 paperback)

Autores: Fincher, Sally (1959-), editor Robins, Anthony (Anthony V.), editor

Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es