

Latin American Women and Research Contributions to the IT Field

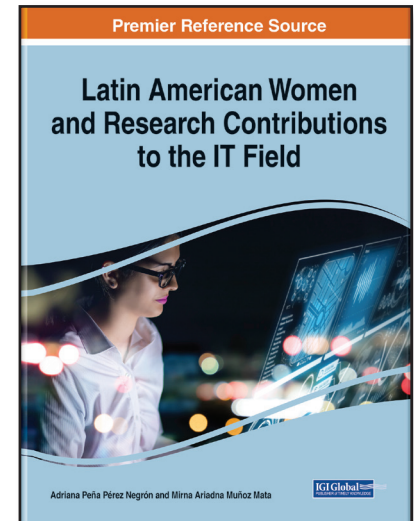
Part of the Advances in Human and Social Aspects of Technology Book Series

Adriana Peña Pérez Negrón (Universidad de Guadalajara, Mexico)
and Mirna Muñoz (CIMAT - Unidad Zacatecas, Mexico)

Description:

Although the effort to involve women in engineering has risen in recent years with the creation of new initiatives and the promotion of inclusion in technical disciplines, the active participation of women in engineering professions is continuously lower than expected. While the need for engineers appears to be constantly increasing, women still do not fill most of this role and have a long way to go to even reach an equal split in the field. This gender gap has a significant impact how women in the STEM fields are perceived as well as their experiences in their education and careers. When it comes to Latin American women in IT, their contribution to science can go unnoticed, their participation levels in these fields are very low, and they often occupy lower-level positions than their male counterparts. These issues need to be discussed, and the experiences of women who work in the field must be shared.

Latin American Women and Research Contributions to the IT Field highlights the important role of Latin American women in IT by collecting and disseminating their frontier-research contributions in order to provide more visibility and inspire greater participation of Latin American women within the major field of computer science. With chapters contributed by female authors from eight Latin American and Caribbean countries, the book provides a deep analysis of these women's trajectory paths to high quality theoretical and applied relevant research in computer science and IT. While highlighting areas such as inclusivity and STEM education, along with advancements and achievements in topics that include nonverbal interaction in virtual reality, fuzzy logic applications in education, and ant colony optimization, this book is ideal for professionals, academics, students, and researchers working in the fields of information technologies and computer science as well as those interested in gender and women's studies.



ISBN: 9781799875529

Pages: 335

Copyright: 2021

Release Date: December, 2020

Hardcover: \$195.00

Softcover: \$150.00

E-Book: \$195.00

Hardcover + E-Book: \$235.00

Topics Covered:

Accessibility
Artificial Intelligence
Data Science
Educational Technology
Fuzzy Data Warehouse

Gamification
Gender
ICT
Inclusivity
Online Education

Software Development
Software Engineering
STEM Education
Virtual Reality

Subject: Computer Science and Information Technology

Classification: Edited Reference

Readership Level: Advanced-Academic Level (Research Recommended)

Research Suitable for: Advanced Undergraduate Students; Graduate Students; Researchers; Academicians; Professionals; Practitioners

Order Information

Phone: 717-533-8845 x100

Toll Free: 1-866-342-6657

Fax: 717-533-8661 or 717-533-7115

Online Bookstore: www.igi-global.com

Mailing Address: 701 East Chocolate Avenue, Hershey, PA 17033, USA