1. Record Nr.   UNINA9910800117103321

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   Titolo   Cryptocoding Based on Quasigroups / / by Daniela Mechkaroska,
                           Aleksandra Popovska-Mitrovikj, Verica Bakeva

   Pubbl/distr/stampa   Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024

   ISBN   3-031-50125-X

   Edizione   [1st ed. 2024.]

   Descrizione fisica   1 online resource (100 pages)

   Collana   SpringerBriefs in Information Security and Cryptography, , 2731-9563

   Disciplina   003.54

   Soggetti   Data protection
                           Coding theory
                           Information theory
                           Computer networks
                           Cryptography
                           Data encryption (Computer science)
                           Set theory
                           Algebra
                           Data and Information Security
                           Coding and Information Theory
                           Computer Communication Networks
                           Cryptology
                           Set Theory
                           Order, Lattices, Ordered Algebraic Structures

   Lingua di pubblicazione Inglese

   Formato   Materiale a stampa

   Livello bibliografico   Monografia

   Nota di bibliografia   Includes bibliographical references and index.

   Nota di contenuto   Quasigroups and quasigroups string transformation -- Cryptcodes
                           based on quasigroup -- Experimental results for cryptcodes based on
                           quasigroups for transmission through a binary-symmetric channel --
                           Experimental results for cryptcodes based on quasigroups for
                           transmission through a Gaussian channel -- Fast algorithms for
                           cryptcodes based on quasigroups -- Cryptcodes based on quasigroups
                           for burst channels.

   Sommario/riassunto   This book presents the concept of cryptcoding which arises from the
                           need to obtain secure and accurate transmission. Therefore, it is

necessary to improve constantly existing and develop new algorithms that will ensure accurate and secure data transfer. This leads to the intensive development of coding theory and cryptography as scientific fields which solve these problems. To ensure efficient and secure data transmission at the same time, the concept of cryptcoding is developed such that the coding and encryption processes are merged into one process. Cryptcodes provide correction of a certain number of errors in the transmitted message and data confidentiality, using only one algorithm. The main research in this field is to define new algorithms for coding that detects and corrects errors, random codes, stream ciphers, block ciphers, pseudo-random generators, hash functions, etc. This monograph examines an application of quasigroups for designing error-correcting cryptcodes, called Random Codes Based on Quasigroups (RCBQ). These codes are a combination of cryptographic algorithms and error-correcting codes and depend on several parameters. Some modifications (new coding/decoding algorithms) of RCBQ for improving their performances for transmission ordinary messages, images, and audio files trough a binary-symmetric channel, Gaussian channel, and burst channels are considered. Also, authors propose and analyze filter for visually enhance of the decoded images and improving the quality of decoded audio files.

2.   Record Nr.   UNINA9910337958103321

Titolo	The Bright Side of Shame : Transforming and Growing Through Practical Applications in Cultural Contexts / / edited by Claude-Hélène Mayer, Elisabeth Vanderheiden
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-13409-1
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (619 pages)
Disciplina	150.1988 152.44
Soggetti	Positive psychology Culture - Study and teaching Clinical health psychology Ethnopsychology Positive Psychology Cultural Studies Health Psychology Cross-Cultural Psychology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction: Transforming Shame (Claude-Hélène Mayer) -- Part I: Transforming Shame in Cultural Perspectives -- Chapter 1. Cultivating lajjA for Self-Realization: Perspectives from Indian Psychology (Dharma Prakash Sharma Bhawuk) -- Chapter 2. Shame Transformation Using an Islamic Psycho-Spiritual Approach for Malay Muslims Recovering from Substance Dependence (Dini Farhana Baharudin) -- Chapter 3. The Effect of Regulation on Shame in Adolescence in China (Liusheng Wang) -- Chapter 4. Ashamed of My Ancestors: Transforming Trans-Generational Shame in Descendants of Perpetrators (Tanja Meyburgh) -- Chapter 5. Transforming Shame in Context: Shame, HIV/AIDS in South Africa - From a 'Death Sentence' to Hope (B. Nkosi) -- Part II: Transforming Shame in Organisational and Professional Contexts -- Chapter 6. Managing Shame in Organisations: Don't Let Shame Become

Sommario/riassunto	This book provides new ideas on how to work with and constructively transform shame on a theoretical and practical level, and in various socio-cultural contexts and professions. It provides practical guidelines on dealing with shame on the basis of reflection, counselling models, exercises, simulations, specific psychotherapeutic approaches, and auto-didactical learning material, so as to transform shame from a negatively experienced emotion into a mental health resource. The book challenges theorists to adopt an interdisciplinary stance and to think "outside the box." Further, it provides practitioners, such as coaches, counsellors, therapists, trainers and medical personnel, with practical tools for transforming negative experiences and emotions. In

brief, the book shows practitioners how to unlock the growth potential of individuals, teams, and organisations, allowing them to develop constructively and positively.