Handbook of Research on Innovations in the Diagnosis and Treatment of Dementia

Part of the Advances in Psychology, Mental Health, and Behavioral Studies Book Series

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Description:
Technology is playing an increasing role in the lives of the elderly. One of the most prevalent developments for the aging population is the use of technological innovations for intervention and treatment of individuals with mental impairments. The Handbook of Research on Innovations in the Diagnosis and Treatment of Dementia offers empirical research and theoretical analyses on the cognitive impairment of the aging.

Readers:
Featuring studies in gerotechnology, this book is an essential resource for researchers, students, and practitioners in the field of geriatrics who are interested in the emerging research, clinical practices, therapy, and technological innovations concerning the development and treatment of dementia.


Topics Covered:
- Assisitive Technologies
- Cognitive Impairment
- Elderly Healthcare
- Gerotechnology
- Neuropsychological Evaluations
- Unobtrusive Smart Environments
- Virtual reality environments

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Section 1. Aging and Innovations

Chapter 1
New Technologies and Neuropsychological Evaluation of Older Adults: Issues and Challenges
Stelios Zygouris, Magda Tsolaki

Chapter 2
"Personal Training": Can Genes Guide Us?
Anthoula Tsolaki

Chapter 3
Graceful Aging: Exergaming as a Means to Delay Mental and Physical Decline among the Elderly
Alexandros Astaras

Chapter 4
NeuroImaging Approaches for Elderly Studies
Charis Styliadis, Panagiotis Kartsidis, Evangelos Paraskevopoulos

Section 2. Gerotechnology for Dementia: Basic Aspects, Models/Prototypes, Specific Applications and Pilots

Chapter 5
Assessing Virtual Reality Environments as Cognitive Stimulation Method of Patients with MCI
Ioannis Tarnanas, Apostolos Tsolakis, and Magda Tsolaki

Chapter 6
A review of Interventions with assistive technologies for Patients with Cognitive Impairment
Panagiotis Georgakopoulos, Maria Chatzidimitriou, Magda Tsolaki

Chapter 7
Implementing cognitive exercise in electronic form for supporting patients with Alzheimer’s disease: The Greek Case
Chaldogeridis Agisilaos, Kyropoulos Klopatsis, Malegiani Amarraylis, Nikolaidou Evdokia, Tsatsoulos Tsirtsaos

Chapter 8
Enabling accessibility features in enhanced VR environments for supporting spatial abilities and social interaction in elderly and MCI patients
Sophia Segkouli, Ioannis Paliokas, Thanos Tsakiris, Konstantinos Votis, Dimitrios Taouvas

Chapter 9
Integrated care: Technologies for Diagnosis and Treatment
Hadas Lewy

Chapter 10
Decision support in the elderly healthcare: combining short- and long-term analysis aspects
Antonis S. Billis, Christos A. Frantzidis and Panagiotis D. Bamidis

Chapter 11
Robot programming and tangible interfaces for cognitive training
Stavros Demetriadis, Vaira Giannouli, Theodorios Sapsounidis

Section 3. Assistive technologies for dementia in the home and environment

Chapter 12
An Ambient Intelligence System for the Monitoring, Empowerment and Disease Evolution Prediction for Patients with Mild cognitive impairments
Voris Konstantinou, Segoili Sofia, Drossou Anastasios, Tsavaras Dimitrios

Chapter 13
Towards a HCJ-Based Symbiotic Environment for Alzheimer’s Support
Leonios J. Hadjileontiadis, Dimitrios Mandiliotis, Konstantinos Tsoumpas, and Aikaterini Kyptotis

Chapter 14
Assistive Technologies for People with Dementia
Christos N. Xenakidis, Antonis M. Hadjiantonis, George M. Milis

Chapter 15
Unobtrusive Smart Environments for Independent Living and the role of Mixed Methods in Elderly Healthcare Delivery: the USEFIL approach
Alexander Astaris, Hadas Lewy, Christopher James, Ala Szczepura, Artem Katasonov, Detlef Rusch, Panagiotis Bamidis

Chapter 16
Unobtrusive low-cost physiological monitoring using visual information
Sergios Petridis, Theodoros Giannakopoulos and Stavros Perantoni

Chapter 17
Revisiting Home Based Assistive Technologies
Panagiotis D. Bamidis, Evdokimos Konstantinidis, Antonis Billis, Anastasios Siouantas

Chapter 18
Instrumenting the eHome and preparing elderly Pilots - the USEFIL approach

Chapter 19
Recognizing physical activities using wearable devices
Ali Mehsoon Khan, and Michael Lawo

Chapter 20
Unobtrusive Wearable Technology for Health Monitoring
J. Amor and C. James

Section 4. Gerotechnology, Care giver support, ethics and business planning

Chapter 21
ICT support to those providing care to elderly: pilot training activities in Greece in the realm of the DISCOVER project
Efstathios A. Sidropoulos, Vasiliki I. Zilidou, Maria A. Karagianni, Lazaros I. Ioannidis, Evangelia D. Romanopoulou, Konstantina Karagiouzi, Evangelos N. Paraskopoulos, P. Bamidis

Chapter 22
Spinning off business activities for care giver support: the DISCOVER attempt
Apostolos Voontas, Vasiliki Mouzaitis, Gerry Urwin

Chapter 23
Spinning off gerotechnology business activities: the LLMacre best practice paradigm
Romanopoulou E., Zilidou V.J, Antoniou P.E.
Panagiotis Bamidis is Assistant Professor in the Medical School, Aristotle University of Thessaloniki, Greece. He has co-ordinated four large European projects (www.meducator.net; www.longlastingmemories.eu, www.epblnet.eu, www.childrenhealth.eu) and was the principal investigator for a number of national and international funded projects. His publication record consists of more than 90 refereed journal papers. In addition, he has been acting as a referee in more than 25 journals, and as Guest Editor in more than 13 journal special issues. Finally, he is a member of the Administration Board of the Greek Federation of Alzheimer’s Associations and Related Disorders, the Innovation Zone of Thessaloniki, Greece, and the Hellenic Biomedical Engineering Society. He has been the Chairman/Organiser of 7 international conferences (iSHMR2001, iSHMR2005, MEDICON2010, GASMA2010, SAN2011, MEI2012, MEI2015) and the Conference Producer of the Medical Education Informatics Conference and Spring School Series. He is a visiting scientist at Karolinska Institute, Sweden. His research interests include health information management, affective and physiological computing and human-computer interaction, (bio)medical informatics with emphasis on neurophysiological sensing and ambient assisted living, collaborative e-learning, content sharing and repurposing, and medical education informatics.

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