

VIRTUÁLNÍ REALITA V PSYCHIATRII: PŘEHLED LITERATURY

souborný článek

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SOUHRN

Bartečková E, Hořínková J. Virtuální realita v psychiatrii: přehled literatury

Virtuální realita (VR) je technologie, která umožňuje simulovat realistické prostředí a interakci uživatele s ním. Nejčastější způsob, jakým je simulované prostředí prezentováno uživateli, je tzv. projekční helma (*Head Mounted Display*, HMD). Využití VR v psychiatrii je zkoumáno již od 90. let 20. století, byl to ale teprve rozvoj technologie v posledních letech a s tím spojená větší finanční dostupnost, které zájem o VR výraznou měrou zvýšily. Aplikace VR v psychiatrii využívají především následující vlastnosti této technologie: navození pocitu přítomnosti (*presence*) v simulovaném prostředí, poskytnutí libovolných vjemů, manipulace se senzorickými modalitami a možnost měření chování uživatele. Stejnou vlastnost, která nejvíce odděluje VR od jiných médií, je právě navození pocitu přítomnosti, který může zvyšovat dopad prezentovaných stimulů na uživatele.

Největší množství literatury se zabývá možností využití této technologie jako intervencí, které zahrnují terapii, rehabilitaci, zvyšování kvality života, prevenci a profylaxi. Z intervencí se pak nejčastěji využívají implementace postupů kognitivně-behaviorální terapie (KBT) a zejména pak expoziční terapie ve VR (VRET). Druhá nejčastější oblast, která je zkoumána, je možné využití VR v diagnostice a hodnocení tíže symptomů psychiatrických poruch. Tato skupina aplikací využívá možnost měřit chování uživatele ve virtuálním prostředí. VR může být využita jako prostředek objektivní a ekologicky validní diagnostiky.

SUMMARY

Bartečková E, Hořínková J. Virtual reality in psychiatry: literature review

Virtual reality (VR) is a technology which allows simulation of a realistic computer-generated environment and user interaction with it. The most common means to present the simulated stimuli is HMD (Head Mounted Display). VR applications in psychiatry have been a focus of research since 1990's, however, it was a recent development and improved availability of this technology that lead to increased attention to this topic. Applications of VR in psychiatry utilise following attributes: induction of the sense of presence, presentation of any stimuli, manipulation with sensor modalities and measurement of user behaviour. The key attribute distinguishing VR from other ways of stimuli presentation is the sense of presence which can increase the effect of presented stimuli on the user.

The largest body of literature about VR in psychiatry deals with interventions including therapy, rehabilitation, quality of life improvement, prevention and prophylaxis. The most common therapeutical interventions are Cognitive-Behavioral therapy (CBT) techniques implementations, especially Virtual Reality Exposure Therapy (VRET). The second most explored field is an assessment which takes advantage of a possibility to measure user behaviour. VR could be used as a tool for objective and ecologically valid assessment. The third possible use of the VR in psychiatry is the research of mental disorders, their pathophysiology and their relationship

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Psychiatry And Literature Literature And Medicine Vol 4

Rachel Dixon



Psychiatry And Literature Literature And Medicine Vol 4:

Approaching Hysteria Mark S. Micale, 2019-01-15 Few diseases have exercised the Western imagination as chronically as hysteria from the wandering womb of ancient Greek medicine to the demonically possessed witch of the Renaissance from the vaporous salong women of Enlightenment Paris through to the celebrated patients of Sigmund Freud with their extravagant erotically charged symptoms In this fascinating and authoritative book Mark Micale surveys the range of past and present readings of hysteria by intellectual historians historians of science and medicine scholars in gender studies art history and literature and psychoanalysts psychiatrists clinical psychologists and neurologists In so doing he explores numerous questions raised by this evergrowing body of literature Why in recent years has the history of hysterical disorders carried such resonance for commentators in the sciences and humanities What can we learn from the textual traditions of hysteria about writing the history of disease in general What is the broader cultural meaning of the new hysteria studies In the second half of the book Micale discusses the many historical cultures of hysteria He reconstructs in detail the past usages of the hysteria concept as a powerful descriptive trope in various nonmedical domains including poetry fiction theater social thought political criticism and the arts His book is a pioneering attempt to write the historical phenomenology of disease in an age preoccupied with health and a prescriptive remedy for writing histories of disease in the future Mark S Micale is Assistant Professor of History at Yale He is the editor of *Beyond the Unconscious* Essays of Henri F Ellenberger Princeton Originally published in 1994 The Princeton Legacy Library uses the latest print on demand technology to again make available previously out of print books from the distinguished backlist of Princeton University Press These editions preserve the original texts of these important books while presenting them in durable paperback and hardcover editions The goal of the Princeton Legacy Library is to vastly increase access to the rich scholarly heritage found in the thousands of books published by Princeton University Press since its founding in 1905

A Reference Guide for English Studies Michael J. Marcuse, 1990-01-01 This text is an introduction to the full range of standard reference tools in all branches of English studies More than 10 000 titles are included The Reference Guide covers all the areas traditionally defined as English studies and all the field of inquiry more recently associated with English studies British and Irish American and world literatures written in English are included Other fields covered are folklore film literary theory general and comparative literature language and linguistics rhetoric and composition bibliography and textual criticism and women s studies

Scholarship and Commitment Sunny Awhefeada, E. Omoko, 2018-06-14 Professor Darah turned seventy on Wednesday November 22 2017 and to celebrate his very productive career his colleagues and many of those he has mentored thought it appropriate to mark his official exit from the university in a dignified way by commissioning for publication in the now acceptable festschrift tradition the highly compelling and outstanding collection of essays titled *Scholarship and Commitment* Essays in Honour of G G Darah The book is a ground breaking collection of essays some are couched as tributes to the ebullient celebrant there

are others on more serious discourses in the areas of literary theories and criticism language and linguistics popular literature and politics the African woman identity and contemporary realities oral literature the news media and cultural studies The essays on their own attest to the vivacity and liveliness as well as the encouraging state of health of publishing in the Nigerian academia which in this collection alone parades forty two essays in different fields or discourses **Handbook of Psychology and Health, Volume IV** Shelley E. Taylor, Jerome E. Singer, Andrew Baum, 2020-09-10 Originally published in 1984 the study of psychological aspects of health was a rapidly expanding enterprise Most of the contributors to this volume were trained as social psychologists or by social psychologists Some have been more applied in their focus or on the edge of several fields All however share a common approach focusing on the individual as he or she is buffeted about by social forces and copes with these forces All consider situational and psychological factors in the determination of behavior emotion or cognition and all apply their expertise to the study of health related issues The grouping of the chapters in this volume by the authors subspecialty social psychology is a somewhat unconventional method of clustering Ordinarily the materials presented here would be published in journals or texts concerned with behavior or psychosocial in health and medicine or in specialty publications dealing with a particular disease or health issue That clustering of articles is functional in providing information to those most likely to utilize it but it diffuses the origin and background of the studies These chapters speak to the diversity of health issues that are amenable to successful social psychological analysis The International Journal of Indian Psychology, Volume 4, Issue 2, No. 86 IJIP.In, 2017-01-29 United States Veteran's Bureau Medical Bulletin ,1927

Current Catalog National Library of Medicine (U.S.), 1993 *Lifestyle Medicine, Third Edition* James M. Rippe, 2019-04-17 The field of lifestyle medicine which is the study of how daily habits and actions impact on both short and long term health and quality of life continues to expand globally The scientific and medical literature that supports the success of these lifestyle habits and actions is now overwhelming Thousands of studies provide evidence that regular physical activity maintenance of a health body weight following sound nutritional practices stress reduction and other good practices all profoundly impact both health and quality of life Following its predecessors Lifestyle Medicine Third Edition is edited by lifestyle medicine pioneer cardiologist Dr James Rippe This edition has been thoroughly updated and represents the expert opinions of 20 section editors as well as more than 150 expert chapter authors whose knowledge span all aspects of this emerging discipline Topics cover lifestyle medicine practices including regular physical activity proper nutrition and weight management These principles are applied to the prevention and or treatment of a wide variety of chronic conditions ranging from heart disease and diabetes to cancer mental health addiction and injury prevention This book serves as evidence base for individuals who wish to practice lifestyle medicine or incorporate some of its principles into either general medicine or subspecialty practice It provides valuable information to healthcare workers in the fields of nutrition exercise physiology psychology behavioral medicine health promotion and public policy where lifestyle medicine principles play an ever

increasing role **National Library of Medicine Current Catalog** National Library of Medicine (U.S.),1991

Handbook of Mental Health and Aging Nathan Hantke,Amit Etkin,Ruth O'Hara,2020-04-11 The Handbook of Mental Health and Aging Third Edition provides a foundational background for practitioners and researchers to understand mental health care in older adults as presented by leading experts in the field Wherever possible chapters integrate research into clinical practice The book opens with conceptual factors such as the epidemiology of mental health disorders in aging and cultural factors that impact mental health The book transitions into neurobiological based topics such as biomarkers age related structural changes in the brain and current models of accelerated aging in mental health Clinical topics include dementia neuropsychology psychotherapy psychopharmacology mood disorders anxiety schizophrenia sleep disorders and substance abuse The book closes with current and future trends in geriatric mental health including the brain functional connectome repetitive transcranial magnetic stimulation rTMS technology based interventions and treatment innovations Identifies factors influencing mental health in older adults Includes biological sociological and psychological factors Reviews epidemiology of different mental health disorders Supplies separate chapters on grief schizophrenia mood anxiety and sleep disorders Discusses biomarkers and genetics of mental health and aging Provides assessment and treatment approaches

Bibliography of Medical Reviews ,1976 The Corsini Encyclopedia of Psychology and Behavioral Science, Volume 4 W. Edward Craighead,Charles B. Nemeroff,2002-11-11 A complete reference to the fields of psychology and behavioral science Volume 4 is the final volume in The Corsini Encyclopedia of Psychology and Behavioral Science series Providing psychologists teachers researchers and students with complete reference for over 1 200 topics across four volumes this resource is invaluable for both clinical and research settings Coverage includes conditions assessments scales diagnoses treatments and more including biographies on psychologists of note and psychological organizations from across the globe The Third Edition has been updated to reflect the growing impact of neuroscience and biomedical research providing a highly relevant reference for the highest standard of care *The Sources and Development of Social and Community Psychiatry* David G. Satin,2020-09-03 These volumes make new contributions to the history of psychiatry and society in three ways First they propose a theory of values and ideology influencing the evolution of psychiatry and society in recurring cycles and survey the history of psychiatry in recent centuries in light of this theory Second they review the waxing prominence and waning of Community Mental Health as an example of a segment of this cyclical history of psychiatry Third they provide the first biography of Erich Lindemann one of the founders of social and community psychiatry and explore the interaction of the prominent contributor with the historical environment and the influence this has on both We return to the issue of values and ideologies as influences on psychiatry whether or not it is accepted as professionally proper This is intended to stimulate self reflection and the acceptance of the values sources of ideology their effect on professional practice and the effect of values based ideology on the community in which psychiatry practices The books will be of interest to psychiatric teachers and

practitioners health planners and socially responsible citizens *Proceedings of the 3rd Borobudur International Symposium on Humanities and Social Science 2021 (BIS-HSS 2021)* Muji Setiyo, Agus Setiawan, Veni Soraya Dewi, Fitriana Yuliastuti, Chrisna Bagus Edhita Praja, Lintang Muliawanti, Zulfikar Bagus Pambuko, 2023-02-10 This is an open access book Still related to the big theme of reinforcement the SDG s at the previous conference we try to invite academics and researchers in the world to participate in the 3rd Borobudur International Symposium 2021 3rd BIS 2021 As we know The COVID 19 pandemic and its impact on all 17 SDGs have demonstrated that what began as a health catastrophe swiftly transformed into a human and socioeconomic crisis In September 2019 the UN Secretary General urged all sectors of society to mobilize for a decade of action on three fronts global action to ensure increased leadership increased resources and smarter solutions for the Sustainable Development Goals local action to embed the necessary transitions into governments policies budgets institutions and regulatory frameworks and international action to ensure greater leadership increased resources and smarter solutions for the Sustainable Development Goals Especially in 3rd BIS 2021 we brought up Decade of Action towards Environmental Issues Advancing the Innovation to Recover our Planet as main theme The conference will be held on Wednesday December 15 2021 in Magelang Central Java Indonesia Scope includes Art Linguistics Communication Economics Education Government Studies Health Administration Hospitality International Relations Law Pharmacy Political Studies Psychology Public Health Religious Studies Sociology Health Sciences **Fifth World Congress on Disaster Management: Volume IV** S. Anand Babu, 2023-04-27 World Congress on Disaster Management WCDM brings researchers policy makers and practitioners from around the world in the same platform to discuss various challenging issues of disaster risk management enhance understanding of risks and advance actions for reducing risks and building resilience to disasters The fifth WCDM deliberates on three critical issues that pose the most serious challenges as well as hold the best possible promise of building resilience to disasters These are Technology Finance and Capacity WCDM has emerged as the largest global conference on disaster management outside the UN system The fifth WCDM was attended by more than 2500 scientists professionals policy makers practitioners all around the world despite the prevalence of pandemic **Infanticide** Rachel Dixon, 2023-02-02 Infanticide examines medical expert evidence in infanticide cases focusing specifically on the shifting notion of certainty in medical testimony Beginning in the Early Modern period and concluding in the mid twentieth century it considers how courts determined whether an infant died from natural causes or other reasons including violence The book explores expert evidence in cases of infanticide and examines the extent of certainty created by medical specialists who founded their testimony on anatomical exploration and science As the book progresses it becomes clear that medical specialists were unable to scientifically establish cause of death and in doing so conveyed uncertainty in court proceedings Rather than being regarded as a professional failing Dixon argues that the uncertainty created by medical specialists redirected the outcomes of infanticide cases The combination of uncertainty and the changing perceptions of infanticidal

women by the court lead juries to find infanticidal women not guilty of a capital offence in many cases This book will be of great interest to students and scholars of Criminology Law and History *Handbook of Effective Psychotherapy* Thomas R. Giles, 2012-12-06 *Handbook of Effective Psychotherapy* is the culmination of 15 years of personal interest in the area of psychotherapy outcome research In my view this is one of the most interesting and crucial areas in the field it has relevance across disparate clinical disciplines and orientations it provides a measure of how far the field has progressed in its efforts to improve the effectiveness of psychotherapeutic intervention and it provides an ongoing measure of how readily clinicians adapt to scientific indications in state of the art care Regrettably as several of the chapters in this volume indicate there is a vast chasm between what is known about the best available treatments and what is applied as the usual standard of care On the most basic level there appears to be a significant number of clinicians who remain reluctant to acknowledge that scientific study can add to their ability to aid the emotionally distressed I hope that this handbook with its many delineations of empirically supported treatments will do something to remedy this state of affairs *Case Studies: Stahl's Essential Psychopharmacology: Volume 4* Jeffrey R. Strawn, Stephen M. Stahl, 2023-11-09 This brand new fourth volume in Stahl's Case Studies series presents a selection of clinical case studies in child and adolescent psychopharmacology taken from Dr Strawn's clinics and consultations These cases illustrate common questions that are routinely asked by Dr Strawn's peers in consultations and which represent dilemmas in the day to day practice of pediatric psychopharmacology Followings a consistent user friendly layout each case features icons tips and questions about diagnosis and management as it progresses over time a pre case self assessment question followed by the correct answers at the end of the case Formatted in alignment with the American Board of Psychiatry and Neurology's maintenance of psychiatry speciality certification cases address multifaceted issues in a relevant and understandable way Covering a wide ranging and representative selection of clinical scenarios each case is followed through the complete clinical encounter from start to resolution acknowledging all the complications issues decisions twists and turns along the way *Neuroimaging* Peter Bright, 2012-05-16 The rate of technological progress is encouraging increasingly sophisticated lines of enquiry in cognitive neuroscience and shows no sign of slowing down in the foreseeable future Nevertheless it is unlikely that even the strongest advocates of the cognitive neuroscience approach would maintain that advances in cognitive theory have kept in step with methods based developments There are several candidate reasons for the failure of neuroimaging studies to convincingly resolve many of the most important theoretical debates in the literature For example a significant proportion of published functional magnetic resonance imaging fMRI studies are not well grounded in cognitive theory and this represents a step away from the traditional approach in experimental psychology of methodically and systematically building on or chipping away at existing theoretical models using tried and tested methods Unless the experimental study design is set up within a clearly defined theoretical framework any inferences that are drawn are unlikely to be accepted as anything other than speculative A second

more fundamental issue is whether neuroimaging data alone can address how cognitive functions operate far more interesting to the cognitive scientist than establishing the neuroanatomical coordinates of a given function the where question **Journal of the Assembly, Legislature of the State of California** California. Legislature. Assembly, 1950

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