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KEY=SERIES - SHELTON HOOPER

ASSISTIVE TECHNOLOGY FROM ADAPTED EQUIPMENT TO INCLUSIVE ENVIRONMENTS

AAATE 2009

IOS Press **The concept of assistive technology is moving away from adopting the most appropriate devices to overcome the limitations of users, to the designing and setting up of total environments in which people can live, supported by suitable services and additional support devices integrated within the environment. These two perspectives are deeply intertwined, both from technological and social points of view, and the relationship between them currently represent the primary challenge for the field of assistive technology. This publication covers the proceedings of the 10th European Conference of the Association for the Advancement of Assistive Technology in Europe (AAATE), the organization which stimulates the advancement of assistive technology for the benefit of people with disabilities, including elderly people. This conference seeks to bridge the gap between these two complementary approaches, providing an opportunity to clarify differences and common points and to better define future direction. This publication is a significant contribution to the advancement of inclusion for people living with a disability everywhere.**

ASSISTIVE TECHNOLOGIES- E-BOOK

PRINCIPLES AND PRACTICE

Elsevier Health Sciences **Master the assistive strategies you need to make confident clinical decisions and help improve the quality of life for people with disabilities. Based on the Human Activity Assistive Technology (HAAT) model developed by Al Cook, Sue Hussey and Jan Polgar, Assistive Technologies: Principles & Practice, 5th Edition, provides detailed coverage of the broad range of devices, services, and practices that comprise assistive technology. This new text offers a systematic process for ensuring the effective application of assistive technologies — and focuses on the relationship between the human user and the assisted activity within specific contexts. It features over 30 new photos and illustrations, as well as, updated chapters and case studies that reflect current technology. Human Activity Assistive Technology (HAAT) framework locates assistive technology within common, everyday contexts for more relevant application. Focus on clinical application guides application of concepts to real-world situations. Study questions and chapter summaries in each chapter help assessment of understanding and identification of areas where more study is needed. Coverage of changing AT needs throughout the lifespan emphasizes how AT fits into people's lives and contributes to their full participation in society. Principles and practice of assistive technology provide the foundation for effective reasoning. Ethical issues content provides vital information to guide AT service delivery. Explicit applications of the HAAT model in each of the chapters on specific technologies and more emphasis on the interactions among the elements make content even easier to understand. New! Thoroughly updated chapters to reflect current technology and practice. New! Expanded discussion on assistive robotics and smart technologies. New! Review of global initiatives on Assistive Technology. New! Updated art program with 30+ new photos and illustrations. New! Updated case studies to reflect changes in technology and practice since last edition.**

PALLIATIVE CARE IN NEUROLOGICAL DISEASE

A TEAM APPROACH

CRC Press **The particular needs of people with progressive long-term neurological conditions - including Parkinson's Disease, Motor Neurone Disease (MND), Multiple Sclerosis (MS) and Huntington's disease - may make care delivery and planning the last stages of life ethically, practically and clinically challenging.**

ESSENTIALS OF ASSISTIVE TECHNOLOGIES - E-BOOK

Elsevier Health Sciences **Master the assistive strategies you need to make confident clinical decisions and help improve the quality of life for people with disabilities with this new essentials text. Based on the Human Activity Assistive Technology (HAAT) model developed by Dr. Cook, the book provides the most important coverage of the devices, services, and practices that comprise assistive technology and focuses on the relationship between the human user and the assisted activity within specific contexts. Case studies, illustrations of assistive devices, review questions, and well-developed learning objectives help you focus on the most important areas of assistive technology application. UNIQUE! OTA focus provides you with the specific information occupational therapy assistants need to know to implement and utilize assistive technologies. Comprehensive coverage includes all areas of assistive technologies. The AT industry A historical perspective on the industry Relevant legislation Issues of professional practice Service delivery in assistive technologies General purpose assistive technologies Specific areas of application for assistive technologies And more Content derived from market leader gives you similar chapters and organization to the Principles text, but has more of a focus on the practical skills and knowledge needed for the implementation of AT.**

AUGMENTATIVE AND ALTERNATIVE COMMUNICATION

MODELS AND APPLICATIONS

Plural Publishing **Augmentative and Alternative Communication: Models and Applications, Second Edition describes augmentative and alternative communication (AAC) comprehensively and offers a framework for understanding how AAC intervention can be used in the process of communication. This textbook is intended to serve as the primary text for graduate-level courses in augmentative and alternative communication in speech-language pathology programs. It also serves as an essential resource for practicing clinicians. AAC is used by an ever-growing group of individuals of all ages, each with their own personal and communication needs. The book presents the various AAC interventions and teaches the prospective clinician which intervention may be effective depending on the needs, condition, and prognosis of the client. The text details how communication is shaped by internal and external factors and how communication affects social functioning. New to the Second Edition: * A revised introductory chapter reflecting recent changes in the field * Thoroughly updated chapters on technology, vocabulary, and assessment * Reorganization of the chapters for a more natural flow of information * New and revised artwork throughout including images, tables, and charts * New and expanded case studies covering different types of communicators, their needs, and AAC solutions Expanded coverage on the following topics: * The debate on core vocabulary and discussion of best practices * Perspectives and views from AAC users * Ethics in AAC service delivery * Research issues**

LANGUAGE AND MOTOR SPEECH DISORDERS IN ADULTS

Jones & Bartlett Publishers **Rev. ed. of: Language and motor speech disorder in adults / Harvey Halpern. 2nd ed. c2000.**

AUGMENTATIVE AND ALTERNATIVE COMMUNICATION FOR ADULTS WITH ACQUIRED NEUROLOGIC DISORDERS

Paul H Brookes Publishing Company **The loss of speech in adulthood due to acquired disabilities causes an enormous life change for the person it happens to -- and everyone close to them. With this important book, you'll explore the challenges these individuals face during the transition from speaking to using augmentative and alternative communications (AAC). You'll learn new ways to design individualized AAC systems that will help rebuild their communicative confidence and encourage acceptance of their new lives -- and for some, even before speech is lost. Practical, and accessible, this research-based resource addresses recent social, medical, and technical changes and how they affect adults with communication disorders. Part 1 discusses the everyday transition issues they struggle with -- such as establishing new communication roles and integrating their natural speech with AAC -- while Part 2 covers the six leading neurological disorders in adults: amyotrophic lateral sclerosis, Huntington and Parkinson's diseases, traumatic brain injury, aphasia,**

and dementia.

RECENT ADVANCES IN ASSISTIVE TECHNOLOGIES TO SUPPORT CHILDREN WITH DEVELOPMENTAL DISORDERS

IGI Global **The greatest advantage of modern technology is its ability to improve the lives of all. In particular, new technologies have the potential to greatly mitigate cognitive, motor, and social impairments stemming from genetic or environmental factors. Recent Advances in Assistive Technologies to Support Children with Developmental Disorders raises awareness of disabled children and what can be done to help them grow and develop alongside their peers. Bringing together personal experiences with academic investigation, this book is an essential reference for doctors, pediatricians, pre- and primary school educators, and scientists working to enhance the impact assistive technologies have on the youngest members of society.**

AUGMENTATIVE AND ALTERNATIVE COMMUNICATION FOR ADULTS WITH APHASIA: SCIENCE AND CLINICAL PRACTICE

BRILL **Augmentative and Alternative Communication for Adults with Aphasia is written for practising clinicians, undergraduate and graduate students, assistive technologists and other stakeholders interested in learning more about the communication needs and options for people with aphasia. This is the first book dedicated entirely to AAC and aphasia.**

FUNDAMENTALS OF AAC

A CASE-BASED APPROACH TO ENHANCING COMMUNICATION

Plural Publishing **Fundamentals of AAC: A Case-Based Approach to Enhancing Communication is a course-friendly textbook designed to walk readers through the theoretical and clinical underpinnings of assessment, intervention, and consultation for individuals with complex communication needs across the lifespan. Augmentative and alternative communication (AAC) encompasses a variety of communication methods and is used by those with a wide range of speech and language impairments. With a consistent framework and descriptive case studies, as well as input from various stakeholders, readers can gain a comprehensive understanding of the needs of persons who use AAC and how to provide them with ethically and culturally considerate support. Unlike other texts on this topic, this book empowers the reader to visualize AAC in action. Each chapter offers evidence-based information about the topic along with a case study. The case studies combined with short essays from various stakeholders illustrate the variety of ways in which AAC can enhance an individual's connection with their communication partners and community, and the role of the speech-language pathologist as integral to this process. Intended to easily translate into a 6-, 8-, or 13-week semester course, this textbook is divided into seven distinct sections: Section I provides an overview of AAC, no-tech, mid-tech, and high-tech AAC systems, as well as mobile technology and advancing technology. Section II discusses cultural and linguistic responsivity and how this underlies AAC systems and services. Section III reviews AAC assessment, intervention and implementation for toddlers, preschoolers, and school-aged individuals, along with goal-writing and data collection. Section IV covers assessment, intervention, and implementation for young adults and adults needing AAC. Section V offers the reader detailed information and rich examples of the application of AAC for persons with developmental disabilities. Section VI provides the theoretical foundation and exemplar case studies of AAC for persons with acquired disabilities. Section VII details consultation and training for various stakeholders, as well as tele-AAC services. Key Features: * Overviews with key terms set the stage for each section * 36 case studies with questions and visuals to clearly depict each case * Boxes with practical tips and expert advice**

THE PROMISE OF ASSISTIVE TECHNOLOGY TO ENHANCE ACTIVITY AND WORK PARTICIPATION

National Academies Press **The U.S. Census Bureau has reported that 56.7 million Americans had some type of disability in 2010, which represents 18.7 percent of the civilian noninstitutionalized population included in the 2010 Survey of Income and Program Participation. The U.S. Social Security Administration (SSA) provides disability benefits through the Social Security Disability Insurance (SSDI) program and the Supplemental Security Income (SSI) program. As of December 2015, approximately 11 million individuals were SSDI beneficiaries, and about 8 million were SSI beneficiaries. SSA currently considers assistive devices in the nonmedical and medical areas of its program guidelines. During determinations of substantial gainful activity and income eligibility for SSI benefits, the reasonable cost of items, devices, or services applicants need to enable them to work with their impairment is subtracted from eligible earnings, even if those items or services are used for activities of daily living in addition to work. In addition, SSA considers assistive devices in its medical disability determination process and assessment of work capacity. The Promise of Assistive Technology to Enhance Activity and Work Participation provides an analysis of selected assistive products and technologies, including wheeled and seated mobility devices, upper-extremity prostheses, and products and technologies selected by the**

committee that pertain to hearing and to communication and speech in adults.

NEURODEGENERATIVE DISORDERS AS SYSTEMIC DISEASES

Springer **This book sheds new light on neurodegenerative disorders as systemic diseases. Classically, neuronal cell death was a hallmark of such disorders. However, it has become evident that neural dysfunction is more important in the pathophysiology of neurodegenerative disorders. More recently, the prionoid-spreading hypothesis of disease-causing molecules has attracted a great deal of attention. Therapeutic strategies thus must be reconsidered in the light that neurodegenerative disorders are indeed systemic diseases. The first part of this book introduces the concept of neurodegeneration in biology and pathophysiology. The second part focuses on clinical evaluation and biomarkers from the perspective of this new concept, while the third summarizes the risk factors of neurodegeneration. The fourth part of this work indicates future directions of treatment, and the final part discusses health promotion for prevention and quality of life. This book will be of interest to both researchers and medical personnel, and provides a fresh approach to neurodegenerative diseases, paving the way to new research and improved quality of health care for patients.**

SPEECH-LANGUAGE PATHOLOGY ASSISTANTS

A RESOURCE MANUAL, SECOND EDITION

Plural Publishing **Speech-Language Pathology Assistants: A Resource Manual, Second Edition, is a practical, easy-to-use manual that can be used by both SLPAs and SLPA educators. The text defines the roles of SLPAs and their supervisors - offering additional insight into the scope of practice of an SLPA per current American Speech-Language-Hearing Association (ASHA) recommendations—and includes discussions, strategies, and examples of real-world issues, such as using augmentative and alternative communication (AAC) and working with individuals with autism spectrum disorders (ASD). Also included within the chapters are "Things to Consider" sections, which address important factors and modifications that can enhance the effectiveness of treatment activities. For example, incorporating play, literacy, and speech sound remediation into treatment or modifying the clinical interface to enhance group therapy dynamics for children and adults. Initial chapters are devoted to specific aspects of an SLPA's development, such as chapters on ways SLPAs can enhance clinical service through understanding of goals, lesson plans, data collection, and note-writing. Likewise, chapters on professional practice offer insight into ethical problem-solving, presenting a professional image, developing mentoring relationships, working with culturally and linguistically diverse populations, and the use of self-reflection for self-improvement. These chapters are followed by key principles for SLPAs to incorporate in clinical services provided to specific populations and disorders. New to the Second Edition: This second edition contains relevant updates in the field of speech-language pathology and recent research and references throughout. Included are additional "A Day in the Life" stories of actual SLPAs—their daily activities, rewards and challenges they face, and their words of wisdom to fellow SLPAs. New to this edition are four important chapters applicable to the work of an SLPA. This includes a chapter specific to behavioral principles and the use of positive behavioral supports and intervention (PBIS). New chapters were added in the areas of early intervention and the important topic of language intervention in children—both of which are highly pertinent to the roles of most SLPAs. A chapter was also added to address key principles in service provision for adults with neurologic disorders, including an overview of common treatment approaches for the disorders of aphasia, right hemisphere brain dysfunction (RHBD), cognitive-communicative disorders associated with TBI, apraxia of speech, and dysarthria. Speech-Language Pathology Assistants: A Resource Manual, Second Edition is a key resource for enhancing skills and highlighting professional practice issues, for clinical practicum training or future employment. This is a text both SLPAs and SLPA educators will want to have on their bookshelves. Disclaimer: Please note that ancillary content (such as documents, audio, and video, etc.) may not be included as published in the original print version of this book.**

HANDBOOK OF PRAGMATIC LANGUAGE DISORDERS

COMPLEX AND UNDERSERVED POPULATIONS

Springer Nature

WARRIOR TRANSITION LEADER: MEDICAL REHABILITATION HANDBOOK

MEDICAL REHABILITATION HANDBOOK

Government Printing Office **PRINT FORMAT ONLY NOTE: NO FURTHER DISCOUNT FOR THIS PRINT PRODUCT- OVERSTOCK SALE -- Significantly reduced list price This book is targeted toward helping Army leaders of all levels to assist wounded, injured, and ill soldiers and their families while undergoing medical rehabilitation or interacting with essential healthcare and community reintegration services. Many facets are involved in the successful healing and reintegration of soldiers, whether they continue on active duty or become successful veterans. This book should serve as a valuable tool for learning about the resources and processes that will maximize each wounded, injured, or ill soldier's chances for success and be a resource for leaders. Information is provided about the Army Warrior Transition Command and key Army, federal agencies, veteran and military service organizations, and selected other organizations and their services and programs. Accessible information about essential principles, practices, and definitions in medical rehabilitation are included. Also presented are several vignettes on soldiers who have successfully adapted to their impairments to lead remarkable lives as soldiers or Army veterans. Although geared toward nonmedical personnel working with wounded, injured, and ill soldiers, the book has material of interest to a much broader audience. It is a must-read for anyone working within the Warrior Transition Command, or who is closely involved with or interested in assisting wounded, injured, and ill soldiers and their families.**

THE MIT ENCYCLOPEDIA OF COMMUNICATION DISORDERS

MIT Press **This volume offers almost 200 detailed entries covering the entire range of communication and speech disorders in children and adults, from basic science to clinical diagnosis. It is divided into four sections that reflect the standard categories with the field: voice, speech, language and hearing.**

PALLIATIVE CARE IN NEUROLOGY

Frontiers Media SA **Over the last 50 years palliative care has usually been associated with cancer patients but more recently there has been increased discussion of the role of palliative care for neurological patients. In the past years, neurology has moved from being a purely diagnostic area to a very therapeutically active one. A further step needs to be taken to modify the therapeutic activity from "cure" to "care" depending on the patient's disease trajectory. Palliative care has been associated with care at the end of life, whereas it may be appropriate earlier in the disease progression, and will extend after death in the support of bereaved families. The care of patients with neurological disease, and their families, will encompass the psychological, spiritual and existential issues and neurologists, and the teams in which they work, should develop skills to consider all aspects of care, in order to maximize the quality of life of all involved, and enable patients to die peacefully.**

THE SAGE ENCYCLOPEDIA OF HUMAN COMMUNICATION SCIENCES AND DISORDERS

SAGE Publications **The SAGE Encyclopedia of Human Communication Sciences and Disorders is an in-depth encyclopedia aimed at students interested in interdisciplinary perspectives on human communication—both normal and disordered—across the lifespan. This timely and unique set will look at the spectrum of communication disorders, from causation and prevention to testing and assessment; through rehabilitation, intervention, and education. Examples of the interdisciplinary reach of this encyclopedia: A strong focus on health issues, with topics such as Asperger's syndrome, fetal alcohol syndrome, anatomy of the human larynx, dementia, etc. Including core psychology and cognitive sciences topics, such as social development, stigma, language acquisition, self-help groups, memory, depression, memory, Behaviorism, and cognitive development Education is covered in topics such as cooperative learning, special education, classroom-based service delivery The editors have recruited top researchers and clinicians across multiple fields to contribute to approximately 640 signed entries across four volumes.**

SPECIAL AND GIFTED EDUCATION: CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS

CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS

IGI Global **Diverse learners with exceptional needs require a specialized curriculum that will help them to develop socially and intellectually in a way that traditional pedagogical practice is unable to fulfill. As educational technologies and theoretical approaches to learning continue to advance, so do the opportunities for exceptional children. Special and Gifted Education: Concepts, Methodologies, Tools, and Applications is an exhaustive compilation of emerging research, theoretical concepts, and real-world examples of the ways in which the education of special needs and exceptional children is evolving. Emphasizing pedagogical innovation and new ways of looking at contemporary educational practice, this multi-volume reference work is ideal for inclusion in academic libraries for use by pre-service and in-service teachers, graduate-level students, researchers, and educational**

software designers and developers.

DEMENTIA, FIFTH EDITION

CRC Press **Dementia represents a major public health challenge for the world with over 100 million people likely to be affected by 2050. A large body of professionals is active in diagnosing, treating, and caring for people with dementia, and research is expanding. Many of these specialists find it hard to keep up to date in all aspects of dementia. This book helps solve that problem. The new edition has been updated and revised to reflect recent advances in this fast-moving field.**

NEUROLOGIC AND NEURODEGENERATIVE DISEASES OF THE LARYNX

Springer Nature **This comprehensive text summarizes what is known about the myriad of different neurological conditions that cause dysfunction of communication, swallowing, and breathing as it relates to the upper aerodigestive tract. It serves to provide clinicians and scientists, at all levels of experience, a practical and thorough review of these diseases, their management, and frontiers in science. Chapters are written by experts in these conditions from a broad spectrum of medical specialties in order to create a book that is inclusive of diagnostic and therapeutic considerations that clinicians should think about when caring for patients with these conditions. Neurologic and Neurodegenerative Diseases of the Larynx will be an instrumental resource in guiding clinicians to better recognize the subtle and not so subtle voice, swallowing, and airway manifestations of these diseases, and improve management of patient symptoms and concerns in order to maximize both quality of life and longevity. It will aide otolaryngologists, laryngologists, neurologists, speech language pathologists, and other allied health care professionals in developing a more efficient, evidence-based, patient-focused, and multi-specialty approach to managing these complex and challenging patients.**

BRADDOM'S PHYSICAL MEDICINE AND REHABILITATION

Elsevier Health Sciences **Preceded by: Physical medicine and rehabilitation / [edited by] Randall L. Braddom. 4th ed. c2011.**

BRADDOM'S PHYSICAL MEDICINE AND REHABILITATION E-BOOK

Elsevier Health Sciences **The most-trusted resource for physiatry knowledge and techniques, Braddom's Physical Medicine and Rehabilitation remains an essential guide for the entire rehabilitation team. With proven science and comprehensive guidance, this medical reference book addresses a range of topics to offer every patient maximum pain relief and optimal return to function. In-depth coverage of the indications for and limitations of axial and peripheral joints through therapies enables mastery of these techniques. Optimize the use of ultrasound in diagnosis and treatment. A chapter covering PM&R in the international community serves to broaden your perspective in the field. Detailed illustrations allow you to gain a clear visual understanding of important concepts. New lead editor - Dr. David Cifu – was selected by Dr. Randall Braddom to retain a consistent and readable format. Additional new authors and editors provide a fresh perspective to this edition. Features comprehensive coverage of the treatment of concussions and military amputees. Includes brand-new information on rehabilitating wounded military personnel, the latest injection techniques, speech/swallowing disorders, head injury rehabilitation, and the rehabilitation of chronic diseases. New chapters on pelvic floor disorders and sensory impairments keep you at the forefront of the field. Reader-friendly design features an updated table of contents and improved chapter approach for an enhanced user experience.**

ASSISTIVE TECHNOLOGY: FROM RESEARCH TO PRACTICE

AAATE 2013

IOS Press **Assistive Technology (AT) is an umbrella term indicating any product or technology-based service that enables people of all ages with activity limitations in their daily life, education, work or leisure. It is a highly interdisciplinary field, encompassing research, development, manufacture, supply, provision and policy. This book presents the proceedings of the 12th biennial European conference of the Association for the Advancement of Assistive Technology in Europe, AAATE 2013, held in Vilamoura, Portugal, in September 2013. The full papers included here cover a diverse range of subjects, including: ageing, disability and technology; accessibility in Europe; ambient assisted living; AT and Cloud computing; communication access for all; monitoring and telecare; and user perspective, to name but a few. The aim of the AAATE conference is to promote a more effective dialogue between manufacturers, researchers, developers, professionals and end users, and this book will be of interest to all those directly or indirectly involved in the field of AT.**

BRADDOM'S REHABILITATION CARE: A CLINICAL HANDBOOK

Elsevier Health Sciences **Concise and portable, Braddom's Clinical Handbook of Physical Medicine and Rehabilitation, by Drs. David X. Cifu and Henry L. Lew, gives you dependable, up-to-date content in a handbook format ideally suited for use at the bedside or in outpatient clinics. This quick reference covers the everyday topics you need – assistive devices and orthoses, spasticity, pediatric, adult, and geriatric care, pain management, outcome measures, and much more – all derived from the most trusted name in the field of PM&R. Reader-friendly format with succinct, templated chapters for ease of use. Authoritative content derived from the #1 comprehensive reference in the field: Braddom's Physical Medicine and Rehabilitation. An ideal resource for the entire rehabilitation team as a quick reference or study guide. Highlights key concepts spanning the full spectrum of rehabilitation medicine to help optimize outcomes for patients with a range of chronic diseases, impairments, and disabilities. Includes eSlides complied by internationally renowned experts to summarize key teaching points and clinical pearls.**

AUGMENTATIVE AND ALTERNATIVE COMMUNICATION

SUPPORTING CHILDREN AND ADULTS WITH COMPLEX COMMUNICATION NEEDS

Brookes Publishing Company **The fourth edition of the foundational, widely adopted AAC textbook Augmentative and Alternative Communication is the definitive introduction to AAC processes, interventions, and technologies that help people best meet their daily communication needs. Future teachers, SLPs, OTs, PTs, and other professionals will prepare for their work in the field with critical new information on advancing literacy skills; conducting effective, culturally appropriate assessment and intervention; selecting AAC vocabulary tailored to individual needs; using new consumer technologies as affordable, nonstigmatizing communication devices; promoting social competence supporting language learning and development; providing effective support to beginning communicators; planning inclusive education services for students with complex communication needs; and improving the communication of people with specific developmental disabilities and acquired disabilities. An essential core text for tomorrow's professionals--and a key reference for in-service practitioners--this fourth edition prepares readers to support the communicative competence of children and adults with a wide range of complex needs.**

HUMAN-COMPUTER INTERACTION – INTERACT 2019

17TH IFIP TC 13 INTERNATIONAL CONFERENCE, PAPHOS, CYPRUS, SEPTEMBER 2–6, 2019, PROCEEDINGS, PART I

Springer Nature **The four-volume set LNCS 11746–11749 constitutes the proceedings of the 17th IFIP TC 13 International Conference on Human-Computer Interaction, INTERACT 2019, held in Paphos, Cyprus, in September 2019. The total of 111 full papers presented together with 55 short papers and 48 other papers in these books was carefully reviewed and selected from 385 submissions. The contributions are organized in topical sections named: Part I: accessibility design principles; assistive technology for cognition and neurodevelopment disorders; assistive technology for mobility and rehabilitation; assistive technology for visually impaired; co-design and design methods; crowdsourcing and collaborative work; cyber security and e-voting systems; design methods; design principles for safety/critical systems. Part II: e-commerce; education and HCI curriculum I; education and HCI curriculum II; eye-gaze interaction; games and gamification; human-robot interaction and 3D interaction; information visualization; information visualization and augmented reality; interaction design for culture and development I. Part III: interaction design for culture and development II; interaction design for culture and development III; interaction in public spaces; interaction techniques for writing and drawing; methods for user studies; mobile HCI; personalization and recommender systems; pointing, touch, gesture and speech-based interaction techniques; social networks and social media interaction. Part IV: user modelling and user studies; user experience; users' emotions, feelings and perception; virtual and augmented reality I; virtual and augmented reality II; wearable and tangible interaction; courses; demonstrations and installations; industry case studies; interactive posters; panels; workshops. The chapter 'Analyzing Accessibility Barriers Using Cost-Benefit Analysis to Design Reliable Navigation Services for Wheelchair Users' is open access under a CC BY 4.0 license.**

AUGMENTATIVE COMMUNICATION STRATEGIES FOR ADULTS WITH ACUTE OR CHRONIC MEDICAL CONDITIONS

Brookes Pub **This practical guidebook and CD?ROM set gathers in one place everything professionals need to support and improve communication for adults with specific medical conditions. Includes expert guidance on providing effective AAC services for people with a ran**

JOURNAL OF REHABILITATION RESEARCH & DEVELOPMENT

INTERACTING WITH OBJECTS

LANGUAGE, MATERIALITY, AND SOCIAL ACTIVITY

John Benjamins Publishing Company **Objects are essential for how, together, people create and experience social life and relate to the physical environment around them. Interacting with Objects: Language, materiality, and social activity presents studies which use video recordings of real-life settings to explore how objects feature in social interaction and activity. The studies consider many objects (e.g. paper documents, food, a camera, art, furniture, and even the human body), across various situations, such as shopping, visiting the doctor, interviews and meetings, surgery, and instruction in dance, craft, or cooking. Analyses reveal in precise detail how, as people interact, objects are seen, touched and handled, heard, created, transformed, planned, imagined, shared, discussed, or appreciated. With the companion collection Multiactivity in Social Interaction: Beyond multitasking, the book advances understanding of the complex organisation and accomplishment of social interaction, especially the significance of embodiment, materiality, participation and temporality. By focussing on objects in and for actual occasions of human action, Interacting with Objects: Language, materiality, and social activity will interest many researchers and practitioners in language and social interaction, communication and discourse, design, and also more widely within anthropology, sociology, psychology, and related disciplines.**

TRANSDISCIPLINARY ENGINEERING METHODS FOR SOCIAL INNOVATION OF INDUSTRY 4.0

PROCEEDINGS OF THE 25TH ISPE INC. INTERNATIONAL CONFERENCE ON TRANSDISCIPLINARY ENGINEERING, JULY 3 – 6, 2018

IOS Press **The concept of concurrent engineering (CE) was first developed in the 1980s. Now often referred to as transdiciplinary engineering, it is based on the idea that different phases of a product life cycle should be conducted concurrently and initiated as early as possible within the Product Creation Process (PCP). The main goal of CE is to increase the efficiency and effectiveness of the PCP and reduce errors in later phases, as well as incorporating considerations – including environmental implications – for the full lifecycle of the product. It has become a substantive methodology in many industries, and has also been adopted in the development of new services and service support. This book presents the proceedings of the 25th ISPE Inc. International Conference on Transdisciplinary Engineering, held in Modena, Italy, in July 2018. This international conference attracts researchers, industry experts, students, and government representatives interested in recent transdisciplinary engineering research, advancements and applications. The book contains 120 peer-reviewed papers, selected from 259 submissions from all continents of the world, ranging from the theoretical and conceptual to papers addressing industrial best practice, and is divided into 11 sections reflecting the themes addressed in the conference program and addressing topics as diverse as industry 4.0 and smart manufacturing; human-centered design; modeling, simulation and virtual design; and knowledge and data management among others. With an overview of the latest research results, product creation processes and related methodologies, this book will be of interest to researchers, design practitioners and educators alike.**

UNIVERSAL ACCESS IN HUMAN-COMPUTER INTERACTION. ACCESS TO TODAY'S TECHNOLOGIES

9TH INTERNATIONAL CONFERENCE, UAHCI 2015, HELD AS PART OF HCI INTERNATIONAL 2015, LOS ANGELES, CA, USA, AUGUST 2-7, 2015, PROCEEDINGS, PART I

Springer **The four LNCS volume set 9175-9178 constitutes the refereed proceedings of the 9th International Conference on Learning and Collaboration Technologies, UAHCI 2015, held as part of the 17th International Conference on Human-Computer Interaction, HCII 2015, in Los Angeles, CA, USA in August 2015, jointly with 15 other thematically similar conferences. The total of 1462 papers and 246 posters presented at the HCII 2015 conferences were carefully reviewed and selected from 4843 submissions. These papers of the four volume set address the following major topics: LNCS 9175, Universal Access in Human-Computer Interaction: Access to today's technologies (Part I), addressing the following major topics: LNCS 9175: Design and evaluation methods and tools for universal access, universal access to the web, universal access to mobile interaction, universal access to information, communication and media. LNCS 9176: Gesture-based interaction, touch-based and haptic Interaction, visual and multisensory experience, sign language technologies, and smart and assistive environments LNCS 9177: Universal Access to Education, universal access to health applications and services, games for learning and therapy and cognitive disabilities and cognitive support and LNCS 9178: Universal access to culture, orientation, navigation and driving, accessible security and voting, universal access to the built environment and ergonomics and universal access.**

COMPUTER SYNTHESIZED SPEECH TECHNOLOGIES: TOOLS FOR AIDING IMPAIRMENT

TOOLS FOR AIDING IMPAIRMENT

IGI Global **"This book provides practitioners and researchers with information that will allow them to better assist the speech disabled who wish to utilize computer synthesized speech (CSS) technology"--Provided by publisher.**

COMMUNICATIVE COMPETENCE FOR INDIVIDUALS WHO USE AAC

FROM RESEARCH TO EFFECTIVE PRACTICE

Paul H Brookes Publishing Company **«Relevant for children and adults at all stages of communication development, this upper-level text is a must-have for SLPs, educators, and rehabilitation professionals who work with AAC users. The book presents current research and theory and guides readers through four skill areas important to the development of communicative competence: Linguistic competence. Learn about issues such as the impact of AAC on an individual's natural speech production, the development and use of picture-based communication systems, and the relationship between spoken language and the "language" of AAC systems. Operational competence. Consider issues related to technical operation of AAC systems, including motor development and control, cognitive factors like awareness and memory, and sensory-perceptual development. Social competence. Explore factors such as the effect of developmental disabilities on social communication, challenges to developing social connections, and the ability to conduct conversations. Strategic competence. Examine operational, linguistic, and social constraints faced by AAC users and learn about adaptive skills that allow users to make the most of what they can do. Two concluding chapters show readers how to improve the communicative competence of AAC users through effective intervention strategies -- and how to ensure that the strategies are working through outcomes measurement. Order this textbook today, and get the in-depth research and theory you need to enhance communicative competence for individuals who use AAC!»**

COGNITIVE COMMUNICATION DISORDERS, THIRD EDITION

Plural Publishing **The third edition of Cognitive Communication Disorders remains a vital resource for graduate courses that address cognitively based communication disorders. Students, instructors, and clinicians will benefit from the text's comprehensive discussion of cognitive processes and deficits, including attention, memory, executive functions, right hemisphere brain damage, dementia, combat-related mild traumatic brain injury, and traumatic brain injury and the impact that deficits in these cognitive domains may have on language and communication. New to the Third Edition: *A new chapter covering Primary Progressive Aphasia *An expanded chapter on mild cognitive impairment (MCI) addressing concussion related communication disorders *Updated and expanded information on assessment of disordered cognitive processes *Case studies to illustrate principles of clinical management of cognitive communication disorders. Through contributions from a renowned group of contributors, this text provides a comprehensive review of theoretical and applied research on cognitive communication disorders. The renowned contributors include Margaret Lehman Blake, Carole R. Roth, Fofi Constantinidou, Heather Dial, Maya Henry, Jessica Brown, Kathryn Hardin, Nidhi Mahendra, Mary H. Purdy, Sarah E. Wallace, and Sarah N. Villard.**

PALLIATIVE CARE IN AMYOTROPHIC LATERAL SCLEROSIS

FROM DIAGNOSIS TO BEREAVEMENT

OUP Oxford **Amytrophic Lateral Sclerosis (ALS or motor neurone disease) is a progressive neurodegenerative disease that can cause profound suffering for both the patient and their family. Whilst new treatments for ALS are being developed, these are not curative and offer only the potential to slow its progression. Palliative care must therefore be integral to the clinical approach to the disease. Palliative Care in Amyotrophic Lateral Sclerosis: From diagnosis to bereavement reflects the wide scope of this care; it must cover not just the terminal phase, but support the patient and their family from the onset of the disease. Both the multidisciplinary palliative care team and the neurology team are essential in providing a high standard of care and allowing quality of life (both patient and carer) to be maintained. Clear guidelines are provided to address care throughout the disease process. Control of symptoms is covered alongside the psychosocial care of patients and their families. Case studies are used to emphasise the complexity of the care needs and involvement of the patient and family, culminating in discussion of bereavement. Different models of care are explored, and this new edition utilizes the increase in both the**

evidence-base and available literature on the subject. New topics discussed include complementary therapies, personal and family experiences of ALS, new genetics research, and updated guidelines for patient care, to ensure this new edition remains the essential guide to palliative care in ALS.

MOTOR SPEECH DISORDERS

A CROSS-LANGUAGE PERSPECTIVE

<u>Multilingual Matters</u> **Motor speech disorders are a common accompaniment of a whole range of neurological conditions, from stroke, brain injury and Parkinson's disease through to many rarer conditions. This book aims to aid understanding of the nature of motor speech disorders from a cross-language perspective, in contrast to the largely English-centric nature of research and practice recommendations to date. The book looks not just at how these motor speech disorders are assessed and treated in other countries, but also examines how underlying speech impairments differ according to the language someone speaks. The book studies the underlying neurological, neurophysiological and neurophonetic characteristics of motor speech disorders in different language contexts, and discusses the implications these have for clinical rehabilitation. This significantly adds to debates around the theoretical understanding and clinical management of motor speech disorders.**

STROKE RECOVERY AND REHABILITATION, 2ND EDITION

<u>Demos Medical Publishing</u> **The definitive core text in its field, Stroke Recovery and Rehabilitation is a comprehensive reference covering all aspects of stroke rehabilitation ó from neurophysiology of stroke through the latest treatments and interventions for functional recovery and restoration of mobility. This second edition is completely updated to reflect recent advances in scientific understanding of neural recovery and growing evidence for new clinical therapies. The second edition ó which includes free e-book access with every print purchase ó continues to provide in-depth information on the assessment and management of all acute and long-term stroke-related impairments and complications including cognitive dysfunctions, musculoskeletal pain, and psychological issues. It examines risk factors, epidemiology, prevention, and neurophysiology as well as complementary and alternative therapies, functional assessments, care systems, ethical issues, and community and psychosocial reintegration. With contributions from over 100 acknowledged leaders from every branch of the stroke recovery field, this edition features expanded coverage of key issues such as the role of robotics and virtual reality in rehabilitation. New chapters have been incorporated to cover fields of recent exploration including transcranial magnetic stimulation, biomarkers, and genetics of recovery as well as essentials like the use of medication and the survivorís perspective. The up-to-date presentation of scientific underpinnings and multi-specialty clinical perspectives from physical medicine and rehabilitation, neurology, physical therapy, occupational therapy, speech and language pathology, and nursing ensures that Stroke Recovery and Rehabilitation will continue to serve as an invaluable reference for every health care professional working to restore function and help stroke survivors achieve their maximum potential. New to Stroke Recovery and Rehabilitation, Second Edition All chapters are thoroughly revised and updated to reflect advances in scientific understanding of neural recovery and clinical progress Five completely new chapters and expanded coverage of key issues that drive the field forward New contributions from leading stroke specialists from all involved disciplines Includes access to the fully-searchable downloadable ebook**

DEMENTIA

PERSON-CENTERED ASSESSMENT AND INTERVENTION

<u>Routledge</u> **Person-centered care for persons with dementia has been developed and expanded over the last few decades. Speech-language pathologists are uniquely positioned to understand the striking impact that communication challenges have on persons with dementia and their caregivers, and can lead the charge to improve access to communication and participation. This volume serves as a starting point and reference manual for those who want to provide person-centered and life-enhancing services to persons with dementia, and to inspire the continued generation of quality research to demonstrate the value of cognitive-communication, behavioral, and caregiver interventions. It serves as a call to action for an interprofessional team of healthcare providers across healthcare settings to promote meaningful life engagement in persons with dementia using evidence-based assessment and intervention approaches. This volume provides background on the evolution of caring for persons with dementia, as well as a description of the diagnostic process for dementia syndromes and the cognitive and communication characteristics of dementias with an emphasis on Alzheimer's dementia. Its chapters cover the person-centered assessment process for persons with cognitive and communicative disorders of dementias; intervention approaches for the wide variety of cognitive, communicative, eating/swallowing, and behavioral symptoms and consequences of dementia syndromes; reimbursement and documentation issues for various settings in which persons with**

dementia are seen; and issues and challenges of quality of life and end-of-life care.

SPEECH AND LANGUAGE THERAPY

A PRIMER

Cambridge University Press **A comprehensive introduction to speech and language therapy, covering foundational disciplines, assessment and intervention, and professional issues.**