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Descriptive Complexity of Formal Systems - Markus Holzer 2011-07-18

This book constitutes the refereed proceedings of the 13th International Workshop of Descriptive Complexity of Formal Systems 2011, held in Limburg, Germany, in July 2011. The 21 revised full papers presented together with 4 invited papers were carefully reviewed and selected from 54 submissions. The topics covered are automata, grammars, languages and related systems, various measures and modes of operations (e.g., determinism and nondeterminism); trade-offs between computational models and/or operations; succinctness of description of (finite) objects; state explosion-like phenomena; circuit complexity of Boolean functions and related measures; resource-bounded or structure-bounded environments; frontiers between decidability and undecidability; universality and reversibility; structural complexity; formal systems for applications (e.g., software reliability, software and hardware testing, modeling of natural languages); nature-motivated (bio-inspired) architectures and unconventional models of computing; Kolmogorov complexity.

The Sounds of Milan, 1585-1650 - Robert L. Kendrick 2002-11-21

In this book, a follow-up to his 1996 monograph *Celestial Sirens*, Robert Kendrick examines the cultural contexts of music in early-modern Milan. This book describes the churches and palaces that served as performance spaces in Milan, analyzes the power structures in the city, discusses the devotional rites of the Milanese, and explores the connections among city politics, city-scape, and music.

One-parameter Semigroups - Ph Clément 1987

The theory of semigroups of operators was initiated by E. Hille in his monograph *Functional Analysis and Semigroups* which appeared in 1948. In the years thereafter the theory was developed further by W. Feller, T. Kato, R.S. Phillips, K. Yosida and many others. The possible range of applications is enormous and includes problems in mathematical physics, probability theory and control theory. The purpose of this book is to illustrate the richness of the theory of one-parameter semigroups by examining some of its various aspects. It is written in such a way that all three parts can be read more or less independently; it is assumed that the reader is familiar with some of the basic principles of functional analysis.

Catalogue of the Music Library of Charles Burney, Sold in London, 8 August 1814 - Charles Burney 1973

Transferring Human Impedance Regulation Skills to Robots - Arash Ajoudani 2015-11-05

This book introduces novel thinking and techniques to the control of robotic manipulation. In particular, the concept of teleimpedance control as an alternative method to bilateral force-reflecting teleoperation control for robotic manipulation is introduced. In teleimpedance control, a compound reference command is sent to the slave robot including both the desired motion trajectory and impedance profile, which are then realized by the remote controller. This concept forms a basis for the development of the controllers for a robotic arm, a dual-arm setup, a synergy-driven robotic hand, and a compliant exoskeleton for improved interaction performance.

Mr. Palomar - Italo Calvino 1986-09-22

A novel of a delightful eccentric on a search for truth, by the renowned author of *Invisible Cities*. In *The New York Times Book Review*, the poet Seamus Heaney praised Mr. Palomar as a series of "beautiful, nimble, solitary feats of imagination." Throughout these twenty-seven intricately structured chapters, the musings of the crusty Mr. Palomar consistently render the world sublime and ridiculous. Like the telescope for which he is named, Mr. Palomar is a natural observer. "It is only after you have come to know the surface of things," he believes, "that you can venture to seek what is underneath." Whether contemplating a fine cheese, a hungry gecko, or a topless sunbather, he tends to let his meditations stray from the present moment to the great beyond. And though he may fail as an objective spectator, he is the best of company. "Each brief chapter reads like an exploded haiku," wrote *Time Out*. A play on a world fragmented by our individual perceptions, this inventive and irresistible novel encapsulates the life's work of an artist of the highest order, "the greatest Italian writer of the twentieth century" (*The Guardian*). [Mild Cognitive Impairment. Neuropsychological Profile](#) - Davide M. Cammisuli 2013

Elastic-Plastic Fracture Mechanics - Lars Hannes Larsson 2011-12-15

Proceedings of the 4th Advanced Seminar on Fracture Mechanics, Joint Research Centre, Ispra, Italy, October 24-28, 1983

Security in IoT - Rituparna Chaki 2022-02-08

The diverse applications of IoT are achieved by a set of complex inter-related networks of things and communications. IoT applications are also concerned about an array of devices such as sensors, mobile devices, personal computers, the smart systems such as Alexa, Eco, etc, besides the whole range of communication network binding them together in a seamless manner. This book explores the variegated perspectives of security in the complex context of Internet of Things. It also aims to present the changing face of security, from the ubiquitous networks comprising of WSN as the lowest layer, to the enabler apps working as bridge between the users and the complex IoT system. It takes a closer look at the different types of security schemes required to fit in the heterogeneous nature of IoT network., whilst the readers are also introduced to basic attacks targeting an IoT network, as well as specific types of security schemes worked out by researchers across different countries. As Programmable Logic Controllers (PLC) play a fundamental role in Industrial Control Systems, since they provide various functionalities of physical tools by collecting data from input devices and sending commands to output devices, this book includes a discussion on the security considerations of extending a PLC-based system with IoT capabilities. Other advanced topics include: The machine ethics aspects in the IoT system; the Intrusion detection of WSN; and the methods of securing the user from privacy breaches due to the overprivileged IoT apps. This book will be beneficial to any readers interested in security of IoT systems and how to develop a layer-wise security scheme for such a system.

Human-Aware Robotics: Modeling Human Motor Skills for the Design, Planning and

Control of a New Generation of Robotic Devices - Giuseppe Averta 2022-01-25

This book moves from a thorough investigation of human capabilities during movements and interactions with objects and environment and translates those principles into the design planning and control of innovative mechatronic systems, providing significant advancements in the fields of human-robot interaction, autonomous robots, prosthetics and assistive devices. The work presented in this monograph is characterized by a significant paradigmatic shift with respect to typical approaches, as it always place the human at the center of the technology developed, and the human represents the starting point and the actual beneficiary of the developed solutions. The content of this book is targeted to robotics and neuroscience enthusiasts, researchers and makers, students and simple lovers of the matter.

Haptic Devices for Studies on Human Grasp and Rehabilitation - Alessandro Altobelli 2016-11-23

This book presents a new set of devices for accurate investigation of human finger stiffness and force distribution in grasping tasks. The ambitious goal of this research is twofold, the first is to advance the state of the art on human strategies in manipulation tasks and provide tools to assess rehabilitation procedure and the second is to investigate human strategies for impedance control that can be used for human robot interaction and control of myoelectric prosthesis. Part one describes two types of systems that are able to achieve a complete set of measurements on force distribution and contact point locations. The effectiveness of these devices in grasp analysis is also experimentally demonstrated and applications to neuroscientific studies are discussed. In part two, the devices are exploited in two different studies to investigate stiffness regulation principles in humans. The first study provides evidence on the existence of coordinated stiffening patterns in the fingers of human hands and establishes initial steps towards a real-time and effective modelling of finger stiffness in tripod grasp. The second study presents experimental findings on how humans modulate their hand stiffness whilst grasping objects of varying levels of compliance. The overall results give solid evidence on the validity and utility of the proposed devices to investigate human grasp properties. The underlying motor control principles that are exploited by humans in the achievement of a reliable and robust grasp can potentially be integrated into the control framework of robotic or prosthetic hands to achieve a similar interaction performance.

Thematic Catalogue of the Works of Giovanni Battista Sammartini - Newell Jenkins 2013-10-01

Cosmicomics - Italo Calvino 1968

Enchanting stories about the evolution of the universe, with characters that are fashioned from mathematical formulae and cellular structures. "Naturally, we were all there, - old Qfwfq said, - where else could we have been? Nobody knew then that there could be space. Or time either: what use did we have for time, packed in there like sardines?" Translated by William Weaver. A Helen and Kurt Wolff Book

My Confession - 2018-01-18

Excerpt from My Confession: The Story of a Woman's Life, and Other Tales Will doubt in their dismay, If Reason on thy burning brow Poured its diviner ray They only know that feeble flame Which most may quench and all may tame. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at www.forgottenbooks.com This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format whilst repairing imperfections present in the aged copy. In rare cases, an imperfection in the original, such as a blemish or missing page, may be replicated in our edition. We do, however, repair the vast majority of imperfections successfully; any imperfections that remain are intentionally left to preserve the state of such historical works.

Elizabeth Costello - J. M. Coetzee 2017-03-07

J.M. Coetzee's latest novel, *The Schooldays of Jesus*, is now available from Viking. Late Essays:

2006-2016 will be available January 2018. Since 1982, J. M. Coetzee has been dazzling the literary world. After eight novels that have won, among other awards, two Booker Prizes, and most recently, the Nobel Prize, Coetzee has once again crafted an unusual and deeply affecting tale. Told through an ingenious series of formal addresses, Elizabeth Costello is, on the surface, the story of a woman's life as mother, sister, lover, and writer. Yet it is also a profound and haunting meditation on the nature of storytelling.

Object-based Selection of Spatial Frames - Letizia Cerqueglini 2016

Online Social Networks - Valerio Arnaboldi 2015-09-25

Online Social Networks: Human Cognitive Constraints in Facebook and Twitter provides new insights into the structural properties of personal online social networks and the mechanisms underpinning human online social behavior. As the availability of digital communication data generated by social media is revolutionizing the field of social networks analysis, the text discusses the use of large- scale datasets to study the structural properties of online ego networks, to compare them with the properties of general human social networks, and to highlight additional properties. Users will find the data collected and conclusions drawn useful during design or research service initiatives that involve online and mobile social network environments. Provides an analysis of the structural properties of ego networks in online social networks Presents quantitative evidence of the Dunbar's number in online environments Discusses original structural and dynamic properties of human social network through OSN analysis

The Conservatory of Santa Teresa - Bilenchi, Romano 2015-10-22

This volume is the first translation of Romano Bilenchi's 1940 masterpiece to appear in English. This is surprising since *The Conservatory of Santa Teresa* is much more than an invaluable historical document of life in provincial Tuscany around the time of the First World War. It is truly one of the most important works of fiction published in Italy under Fascism. In telling of the pre-adolescent Sergio's encounter with the larger world of sex, politics, and the violence and cruelty of adult life, Bilenchi succeeds in representing a universal paradigm, that of the clash of innocence with experience. But what makes Sergio's trajectory unique is that he goes through it in the company of three extraordinary women who are at once femmes fatales and benevolent guides: his mother, his aunt, and his tutor, all almost unbearably beautiful, as least in Sergio's eyes. These women, plus the dazzling landscape of the Sienese countryside as captured by Bilenchi, make Sergio's journey an enviable even if sometimes painful and bewildering experience.

Padre Martini's Collection of Letters in the Civico Museo Bibliografico Musicale in Bologna - Anne Schnoebelen 1979

Stakeholder Engagement and Sustainability Reporting - Marco Bellucci 2018

Introduction -- Business and sustainability -- Materiality in sustainability reporting -- A theory of stakeholder engagement -- An empirical overview of stakeholder engagement in sustainability reports6 -- Conclusions

Moocs and Open Education - Mimi Miyoung Lee 2015-07

In April of 2001, the president of MIT, Charles Vest, announced the establishment of a project for placing MIT course contents on the Web for free access by anyone with an Internet connection. In effect, this announcement started the OpenCourseWare (OCW) movement. Since that time, open educational resources (OER) and more recently massive open online courses (MOOCs) have proliferated. A flurry of research reports, books, programs, announcements, debates, and conferences related to MOOCs and open education have encouraged educators to reflect on how these new forms of educational delivery might enhance or even transform education. As part of this global movement, the four editors of this special issue, Mimi Lee, Curt Bonk, Tom Reynolds, and Tom Reeves, organized a one-day preconference symposium on this

topic at the International E-Learn Conference in Las Vegas in October 2013. One direct result of that event is this special issue of the International Journal on E-Learning (IJEL), which contains highly informative and important papers related to the present and future of MOOCs and Open Education around the globe.

Blind Argus, Or, The Fables of the Memory - Gesualdo Bufalino 1992

Medieval Narratives Between History and Fiction - Panagiotis A. Agapitos 2012

"The rise of literary fiction in medieval Europe has been a hotly debated topic among scholars for at least two decades, but until now that debate has come with severe limitations, focusing on 'modern' French and German romances of the twelfth and thirteenth centuries. Attempting to find common ground among scholars from various disciplines and regions, *Medieval Narratives between History and Fiction* seeks to clarify the subject by including a wide range of medieval narratives irrespective of their modern label and affiliation to certain disciplines. The chapters collected here broaden the discussion by moving beyond the canonical French and German romances, focusing mainly on texts in Greek, Latin and Old Norse (and also some in Serbian), and by opting for a 'peripheral' and a long-term view of the subject. The chapters take us from Graeco-Roman antiquity to medieval France, then to the Scandinavian lands and from there to south-eastern Europe and Byzantium as the link back to the Graeco-Roman world. This disposition also follows a spiral motion in time, leading us from antiquity to late antiquity and from the eleventh to the fifteenth century. By expanding the linguistic as well as the geographical and chronological scope of the debate, the book shows that we should not think of a 'rise of fiction' per se; rather, we should see fiction as a potential always imbued in and related to historical narratives - and recognize that non-fictional and non-vernacular writing are important for a modern understanding of medieval fiction."--

Renaissance Encounters - Marina Scordilis Brownlee 2013

This book offers a series of explorations of the cultural interactions (social, political, economic, religious and artistic) that were instrumental in articulating how the empires of Byzantium and the West each defined themselves amid and against one another.

Power to Fuel - Giuseppe Spazzafumo 2021-06-03

Power to Fuel: How to Speed Up a Hydrogen Economy highlights how the surplus of electricity from renewable sources can be usefully accumulated thanks to hydrogen overcoming the obstacles that can prevent the final use of hydrogen on a large scale. The book includes an introduction and sections on the production of hydrogen, conversion of hydrogen into synthetic fuel, the power-to-fuel concept, and renewable energy source descriptions. The second and third

levels are structured identically with a standalone approach that covers established and commercial pathways, emerging pathways, and cost analysis sections within each subject specific chapter, making the content easily referenced and applied. Readers will find details on the state-of-the-art and emerging technologies of various power to fuels options suitable for different final uses of the stored energy, as well as figures and diagrams that illustrate and compare the different processes. The book contains examples of existing plants and pilot projects that will be useful for academics dealing with renewable energies and energy storage. Discusses possible applications of synthetic fuels, describing existing plants for fuel production. Contains opinions on opportunities offered by the power to fuel concept and by single technologies. Presents power to fuel techno-economic models and calculations down to system level.

The Spurious Texts of Philo of Alexandria - James Ronald Royse 1991

A study of the Greek texts (ranging from brief lines in florilegia to complete books) which have been incorrectly ascribed to Philo of Alexandria. Analysis of the sources of these texts (especially the catenae and florilegia), and the correct identifications of many texts, often for the first time.

Music, Men, and Manners in France and Italy, 1770 - Charles Burney 1980

"Burney visited many of the most important cultural centers in France, Switzerland and, especially, in Italy. Armed with letters of introduction he met countless prominent musicians, composers, artists and men of letters - including Balbastre, Voltaire, Rousseau, Padre Martini, Latilla, Barietti, Farinelli and Caffarelli, Guarducci and Nardini. Constantly attending concerts, visiting churches, museums, libraries and art galleries Burney observed and noted in illuminating detail everything that he saw and did, everyone he met and conversed with. He was thus able to provide an invaluable record of the state of music, and the arts generally, in France and Italy at that time." -- back cover

Meat-up Ffire - Piera Campanella 2020

Characterization of Biomaterials - Susmita Bose 2013-03-12

This brief introductory chapter provides a broad overview of materials, biomaterials and the need to understand different techniques to characterize biomaterials. From this chapter, the reader can gain a perspective on how the rest of the topics in different chapters are divided to fully comprehend this inherently multidisciplinary field. Application of appropriate characterization tools can not only save time to fully evaluate different biomaterials, it can also make commercial biomedical devices safer. In the long run, safer biomedical devices can only reduce the pain and suffering of mankind, a dream that resonates with every biomedical researcher.