Chapter 1 Introduction Uni Halle

This book examines the radical changes in social and political landscape of the Upper Guinea Coast region over the past 30 years as a result of civil wars, post-war interventions by international, humanitarian agencies and peacekeeping missions, as well as a regional public health crisis (Ebola epidemic). The emphasis on 'crises' in this book draws attention to the intense socio-transformations in the region over the last three decades. Contemporary crises and changes in the region provoke a challenge to accepted ways of understanding and imagining socio-political life in the region – whether at the level of subnational and national communities, or international and regional structures of interest, such as refugees, weapon trafficking, cross-border military incursions, regional security, and transnational epidemics. This book explores and transcends the central explanatory tropes that have oriented research on the region and re-evaluates them in the light of the contemporary structural dynamics of crises, changes and continuities.

Algorithms are essential building blocks of computer applications. However, advancements in computer hardware, which render traditional computer models more and more unrealistic, and an ever increasing demand for efficient solution to actual real world problems have led to a rising gap between classical algorithm theory and algorithmics in practice. The emerging discipline of Algorithm Engineering aims at bridging this gap. Driven by concrete applications, Algorithm Engineering complements theory by the benefits of experimentation and puts equal emphasis on

all aspects arising during a cyclic solution process ranging from realistic modeling, design, analysis, robust and efficient implementations to careful experiments. This tutorial - outcome of a GI-Dagstuhl Seminar held in Dagstuhl Castle in September 2006 - covers the essential aspects of this process in ten chapters on basic ideas, modeling and design issues, analysis of algorithms, realistic computer models, implementation aspects and algorithmic software libraries, selected case studies, as well as challenges in Algorithm Engineering. Both researchers and practitioners in the field will find it useful as a state-of-the-art survey.

Advances in Planar Lipid Bilayers and Liposomes volumes cover a broad range of topics, including main arrangements of the reconstituted system, namely planar lipid bilayers as well as spherical liposomes. The invited authors present the latest results of their own research groups in this exciting multidisciplinary field. Incorporates contributions from newcomers and established and experienced researchers Explores the planar lipid bilayer systems and spherical liposomes from both theoretical and experimental perspectives Serves as an indispensable source of information for new scientists

Enzymatic Polymerizations, Volume 627 in the Methods in Enzymology series, continues the legacy of this premier serial with quality chapters authored by leaders in the field. Provides the authority and expertise of leading contributors from an international board of authors Presents the latest release in the Methods in Enzymology series Includes the latest information on Enzymatic Polymerizations

Oxford Textbook of Stroke and Cerebrovascular Disease From Macromolecules to Man

Origin Properties Management
Infinite Dimensional And Finite Dimensional Stochastic Equations And Applications In Physics
Affect and Emotion in Multi-Religious Secular Societies
Annual Reports on NMR Spectroscopy

This Festschrift in honour of Ursula Gather's 60th birthday deals with modern topics in the field of robust statistical methods, especially for time series and regression analysis, and with statistical methods for complex data structures. The individual contributions of leading experts provide a textbook-style overview of the topic, supplemented by current research results and questions. The statistical theory and methods in this volume aim at the analysis of data which deviate from classical stringent model assumptions, which contain outlying values and/or have a complex structure. Written for researchers as well as master and PhD students with a good knowledge of statistics.

This book will gather current research in early childhood mathematics education. A special focus will be the tension between instruction and construction of knowledge. The book includes research on the design of learning opportunities, the development of mathematical thinking, the impact of the social setting and the professionalization of nursery teachers.

This text provides a new proof of Glauberman's Z*-Theorem under the additional hypothesis that the simple groups involved in the centraliser of

an isolated involution are known simple groups. Advances in Microbial Physiology, Volume 74, the latest release in this ongoing series, continues the long tradition of topical, important, cutting-edge reviews in microbiology. The book contains updates in the field, with comprehensive chapters covering The electrifying physiology of Geobacter bacteria 30 years on, Adaptive morphogenesis in bacteria, Bacterial energetics and respiratory metabolism, Bacteria respiration during infection, Regulation of Organohalide Respiration, Bioenergetics of Campylobacter jejuni, Formate Hydrogenlyases, Bioenergetical Aspects of the Bacterial and Archaeal Hydrogen Metabolism, and more. Contains contributions from leading authorities in microbial physiology Informs and updates on all the latest developments in the field of microbial physiology Handbook of Thermal Analysis and Calorimetry Proceedings of the 3rd Congress of the Hungarian Pharmacological Society, Budapest, 1979

Universities and the Production of Elites

Tumor Immunology and Immunotherapy - Integrated Methods Part A

Modeling in Systems Biology

Chemical Structure–Biological Activity Relationships: Quantitative Approaches

Notwithstanding its contemporary critics, political representation remains at the core of democratic politics. Based on a comparative research project that gathered data

from observations, surveys, experiments and expert interviews, this book examines the process and the quality of political representation in France and Germany from a dual perspective. First, it analyzes MPs' behavior during their district activities. Second, it investigates the perceptions and evaluations of the represented, the French and German citizens. In ten chapters different facets of MPs' activities as well as citizens' attitudes are comparatively investigated. The book is relevant for Politics scholars and practitioners at national parliaments to better understand representative democracies, and it may also contribute to improve representation itself.

This book constitutes the refereed proceedings of five workshops symposia, held at the 37th International Conference on Conceptual Modeling, ER 2018, in Xi'an, China, in October 2018. The 42 papers promote and disseminate research on theories of concepts underlying conceptual modeling, methods and tools for developing and communicating conceptual models, techniques for transforming conceptual models into effective implementations, and the impact of conceptual modeling techniques on databases, business strategies and information systems. The following workshops are included in this volume: Emp-ER: Empirical Methods in Conceptual Modeling, MoBiD: Modeling and Management of Big Data, MREBA: Conceptual Modeling in Requirements and Business Analysis, QMMQ: Quality of Models and Models of Quality, SCME: Conceptual Modeling Education.

The emerging, multi-disciplinary field of systems biology is devoted to the study of the relationships between various parts of a biological system, and computer modeling plays a vital

role in the drive to understand the processes of life from an holistic viewpoint. Advancements in experimental technologies in biology and medicine have generated an enormous amount of biological data on the dependencies and interactions of many different molecular cell processes, fueling the development of numerous computational methods for exploring this data. The mathematical formalism of Petri net theory is able to encompass many of these techniques. This essential text/reference presents a comprehensive overview of cutting-edge research in applications of Petri nets in systems biology, with contributions from an international selection of experts. Those unfamiliar with the field are also provided with a general introduction to systems biology, the foundations of biochemistry, and the basics of Petri net theory. Further chapters address Petri net modeling techniques for building and analyzing biological models, as well as network prediction approaches, before reviewing the applications to networks of different biological classification. Topics and features: investigates the modular, qualitative modeling of regulatory networks using Petri nets, and examines an Hybrid Functional Petri net simulation case study; contains a glossary of the concepts and notation used in the book, in addition to exercises at the end of each chapter; covers the topological analysis of metabolic and regulatory networks, the analysis of models of signaling networks, and the prediction of network structure; provides a biological case study on the conversion of logical networks into Petri nets; discusses discrete modeling, stochastic modeling, fuzzy modeling, dynamic pathway modeling, genetic regulatory network modeling, and quantitative analysis techniques; includes a Foreword by Professor Jens Reich, Professor of

Bioinformatics at Humboldt University and Max Delbrück Center for Molecular Medicine in Berlin. This unique guide to the modeling of biochemical systems using Petri net concepts will be of real utility to researchers and students of computational biology, systems biology, bioinformatics, computer science, and biochemistry.

Enzymatic PolymerizationsAcademic Press

Advances in Conceptual Modeling

Enzymatic Polymerizations

A Key Moment in the History of a Learned Institution

Plant Cell Biology

Politics and Policies in Upper Guinea Coast Societies

Festschrift in Honour of Ursula Gather

Tumor Immunology and Immunotherapy Integrated Methods - Part A, Volume 635 in the Methods in Enzymology series, continues the legacy of this premier serial with quality chapters authored by leaders in the field. Specific chapters to this release include Deconvolution of the immunological contexture of mouse tumors with multiplexed immunohistochemistry, High-dimensional multiplexed immunohistochemical characterization of immune contexture in human cancers, Multiplex assay by IHC for melanoma tumor microenvironment evaluation, Characterization of the tumor immune microenvironment by multispectral image analysis of multiplex immunofluorescence images, Phenotyping of immune cells in situ using multispectral imaging quantification, and much more. Authored by leaders in the field of enzymology Provides a comprehensiveness level of discussion on the field

Presents a highly specialized group of topics that delve deep into new updates and future prospects Advances in Microbial Physiology: Advances in Bacterial Electron Transport Systems and Their Regulation, the latest volume in the Advances in Microbial Physiology series, continues the long tradition of topical and important reviews in microbiology, with this latest volume focusing on the advances in bacterial electron transport systems and their regulation. Contains contributions from leading authorities in the field of microbial physiology Informs and updates on all the latest developments in the field Presents a primary focus for this edition on the advances made in bacterial electron transport systems and their regulation Tumor Immunology and Immunotherapy - Integrated Methods Part B, Volume 636 in the Methods in Enzymology series, continues the legacy of this premier serial with quality chapters authored by leaders in the field. Chapters in this update include Quantification methods of Transforming Growth Factor beta (TGF??) activity in the setting of cancer immunotherapy, Decoding cancer cell death-driven immune cell recruitment: An in vivo method for site-of-vaccination analyses, Tracking and interrogating tissue-resident and recruited microglia in brain tumors, Metabolomics and lipidomics of the tumor microenvironment, Monitoring abscopal responses to radiation in mice, and much more. Provides an array of authors who are authorities in the field Presents comprehensiveness coverage of the topics

Includes a broad level of detail and in-depth coverage Calixarene chemistry, at the turn of the millennium, is a field approaching true maturity. In many areas, applications are real and important, and the arsenal of structures based on calixarenes provides tools effective in numerous areas of supramolecular chemistry. In this book, chapters contributed by a broad spectrum of international authors provide a variety of perspectives upon the progress and future of calixarene chemistry. Issues covered in depth include: Calixarene synthesis, with all its subtleties and sophistication. Forces at play in the inclusion of neutral and charged molecules by calixarenes. Theoretical analyses of calixarene properties. Dynamics and thermodynamics of calixarenes and their complexes. Nanocomposite construction based on calixarene aggregates. Calixarenes on surfaces. Analytical applications of calixarenes. Catalysis by calixarenes and their complexes. Resource recovery and waste treatment with calixarenes. New directions in calixarene chemistry. Hetero- and homo-calixarenes. Bioactive calixarenes. Coordination chemistry of calixarenes. Calixarenes in the solid state.

Rheology - Part II

Political Representation in France and Germany

Robustness and Complex Data Structures

Suicide and Agency

Basic Science and Clinical Applications

Natural Product Biosynthesis by Microorganisms and

Plants

This is the first comprehensive volume on Dipeptidyl Aminopeptidases that can be marketed to a wide variety of disciplines, as well as to a variety of clinicians. Leading experts in the field contribute to this state-of-the-art view on these enzymes. This book comes at a time when our understanding of their function is growing ever more rapidly and therapeutic options have become imminent.

This special issue of The Enzymes is targeted towards researchers in biochemistry, molecular and cell biology, pharmacology, and cancer. This volume discusses Eukaryotic RNases and their partners in RNA degradation and biogenesis. Contributions from leading authorities Informs and updates on all the latest developments in the field

Chemical Structure-Biological Activity Relationships: Quantitative Approaches, Volume III, documents the proceedings of the 3rd Congress of the Hungarian Pharmacological Society held in Budapest, 1979. This volume focuses on the methodological aspects of QSAR. It also aims to inform the reader about the QSAR research conducted in East-European countries. This volume contains 38 presentations organized into six sections. Several lecturers deal with ""real prediction"" cases, i.e. activity estimation prior to the synthesis of the compounds. A particularly abundant section is devoted to the question of how the receptor models can be built up by means of QSAR calculations. Other sections present

mathematical models and algorithms which could be applied to improve further the effectiveness of QSAR calculations. As another unique feature, a separate section treats the quantitative aspects of peptide structure-activity relationships—a field seemingly backward despite its evident importance. Hydrophobicity and its influence on biological potency along with the relationship of steric properties and biological activity are also discussed.
Plant Cell Biology, volume 160 in "Methods in Cell Biology", includes chapters on modern experimental procedures and applications developed for research in the broad area of plant cell biology. Topics covered in this volume include techniques for imaging and analyzing membrane dynamics and movement across membranes; cell wall composition, structure and mechanics; cytoskeleton dynamics and organization; cell development; ion channel physiology; cell mechanics; and methods related to quantifying cell morphogenesis. Provide in-depth procedures and application notes from selected experts who developed the methods Each chapter will include figures and movies as appropriate to explain complex techniques Chapters will include caveats of techniques and future prospects
Functional Analytic Methods for Evolution Equations
Amazonian Dark Earths
Institutional Design, Decision Making and Corporate Strategies
Advances in Planar Lipid Bilayers and Liposomes

Change and Continuity

Tumor Immunology and Immunotherapy - Integrated Methods Part B

This book consists of five introductory contributions by leading mathematicians on the functional analytic treatment of evolutions equations. In particular the contributions deal with Markov semigroups, maximal L^p-regularity, optimal control problems for boundary and point control systems, parabolic moving boundary problems and parabolic nonautonomous evolution equations. The book is addressed to PhD students, young researchers and mathematicians doing research in one of the above topics.

Nuclear magnetic resonance (NMR) is an analytical tool used by chemists and physicists to study the structure and dynamics of molecules. In recent years, no other technique has grown to such importance as NMR spectroscopy. It is used in all branches of science where precise structural determination is required and where the nature of interactions and reactions in solution is being studied. Annual Reports on NMR has established itself as a premier

*means for the specialist and nonspecialist alike to become familiar with new techniques and applications of NMR spectroscopy. * Includes comprehensive review articles on NMR Spectroscopy * NMR is used in all branches of science * No other technique has grown to such importance as NMR Spectroscopy in recent years This new volume of Methods in Enzymology continues the legacy of this premier serial by containing quality chapters authored by leaders in the field. The second of 3 volumes covering Natural product biosynthesis by microorganisms and plants. This new volume continues the legacy of this premier serial Contains quality chapters authored by leaders in the field The second of 3 volumes it has chapters on such topics as biological chlorination, bromination and iodination, and phylogenetic approaches to natural product structure prediction The applications and interest in thermal analysis and calorimetry have grown enormously during the last half of the 20th century. These techniques have become indispensable in the study*

of processes such as catalysis, hazards evaluation etc., and in measuring important physical properties quickly, conveniently and with markedly improved accuracy. Consequently, thermal analysis and calorimetry have grown in stature and more scientists and engineers have become at least part-time, practitioners. People new to the field therefore need a source of information describing the basic principles and current state of the art. The last volume of this 4 volume handbook, devoted to many aspects of biological thermal analysis and calorimetry, completes a comprehensive review of this important area. All chapters have been prepared by recognized experts in their respective fields. The approach taken is "how and what to do and when to do it". The complete work is a valuable addition to the already existing literature.

Thermotropic Liquid Crystals

Discourses, Policies, and Strategies of Excellence and Stratification in Higher Education

Emissions Trading

Molecular Microbiology of Heavy Metals

Teyler's Foundation in Haarlem and Its 'Book and Art Room' of 1779
Calixarenes 2001

Suicide and Agency offers an original and timely challenge to existing ways of understanding suicide. Through the use of rich and detailed case studies, the authors assembled in this volume explore how interplay of self-harm, suicide, personhood and agency varies markedly across site (Greenland, Siberia, India, Palestine and Mexico) and setting (self-run leprosy colony, suicide bomb attack, cash-crop farming, middle-class mothering).

This book explores how universities as organizations influence and construct the production of academic elites and elitist institutions. It analyzes the role played by the reorganization of higher education (HE) institutions, stimulated by new performance-based narratives aimed at building attractiveness towards stakeholders such as governments, prospective employers, academics, and students. Based on American, European, and Asian case studies of HE systems and institutions considered at various scales, the volume analyzes the consequences of increasing competition between HE institutions which are facing challenges such as the internationalization of higher education supply, the shortage of public resources and the structural changes of labor market demands. It argues that policy discourses and tools, as well as assessment devices such as rankings and

accreditation, incentivize HE institutions to develop positioning strategies that contribute to stratification and the production of elites. It will be of great interest to students and researchers in the fields of higher education, sociology, and education policy.

Geometric Function Theory is that part of Complex Analysis which covers the theory of conformal and quasiconformal mappings. Beginning with the classical Riemann mapping theorem, there is a lot of existence theorems for canonical conformal mappings. On the other side there is an extensive theory of qualitative properties of conformal and quasiconformal mappings, concerning mainly a prior estimates, so called distortion theorems (including the Bieberbach conjecture with the proof of the Branges). Here a starting point was the classical Scharz lemma, and then Koebe's distortion theorem. There are several connections to mathematical physics, because of the relations to potential theory (in the plane). The Handbook of Geometric Function Theory contains also an article about constructive methods and further a Bibliography including applications eg: to electroxtatic problems, heat conduction, potential flows (in the plane). · A collection of independent survey articles in the field of GeometricFunction Theory · Existence theorems and qualitative properties of conformal and quasiconformal mappings · A bibliography, including many hints to applications in electrostatics, heat conduction, potential flows

(in the plane).

Emotions have moved center stage in many contemporary debates over religious diversity and multicultural recognition. As in other contested fields, emotions are often one-sidedly discussed as quintessentially subjective and individual phenomena, neglecting their social and cultural constitution. Moreover, emotionality in these debates is frequently attributed to the religious subject alone, disregarding the affective anatomy of the secular. This volume addresses these shortcomings, bringing into conversation a variety of disciplinary perspectives on religious and secular affect and emotion. The volume emphasizes two analytical perspectives: on the one hand, chapters take an immanent perspective, focusing on subjective feelings and emotions in relation to the religious and the secular. On the other hand, chapters take a relational perspective, looking at the role of affect and emotion in how the religious and the secular constitute one another. These perspectives cut across the three main parts of the volume: the first one addressing historical intertwinements of religion and emotion, the second part emphasizing affects, emotions, and religiosity, and the third part looking at specific sensibilities of the secular. The thirteen chapters provide a well-balanced composition of theoretical, methodological, and empirical approaches to these areas of inquiry, discussing both historical and contemporary cases.

Isolated Involutions in Finite Groups
Recent Advances
Advances in Microbial Physiology
Geopolitical Transformations in Higher Education
Attitudes and Activities of Citizens and MPs
Selected Papers of the POEM 2012 Conference

Chemical Engineering and Chemical Process Technology is a theme component of Encyclopedia of Chemical Sciences, Engineering and Technology Resources in the global Encyclopedia of Life Support Systems (EOLSS), which is an integrated compendium of twenty Encyclopedias. Chemical engineering is a branch of engineering, dealing with processes in which materials undergo changes in their physical or chemical state. These changes may concern size, energy content, composition and/or other application properties. Chemical engineering deals with many processes belonging to chemical industry or related industries (petrochemical, metallurgical, food, pharmaceutical, fine chemicals, coatings and colors, renewable raw materials, biotechnological, etc.), and finds application in manufacturing of such products as acids, alkalis, salts, fuels, fertilizers, crop protection agents,

ceramics, glass, paper, colors, dyestuffs, plastics, cosmetics, vitamins and many others. It also plays significant role in environmental protection, biotechnology, nanotechnology, energy production and sustainable economical development. The Theme on Chemical Engineering and Chemical Process Technology deals, in five volumes and covers several topics such as: Fundamentals of Chemical Engineering; Unit Operations – Fluids; Unit Operations – Solids; Chemical Reaction Engineering; Process Development, Modeling, Optimization and Control; Process Management; The Future of Chemical Engineering; Chemical Engineering Education; Main Products, which are then expanded into multiple subtopics, each as a chapter. These five volumes are aimed at the following five major target audiences: University and College students Educators, Professional practitioners, Research personnel and Policy analysts, managers, and decision makers and NGOs.

Emissions trading challenges the management of companies in an entirely new manner. Most importantly it shifts

the mode of governance of environmental policy from hierarchy to market. The contributions in this book discuss the theoretical implications of different institutional designs of emissions trading schemes. They review schemes implemented in the US and Europe, and evaluate the range of investment decisions and corporate strategies resulting from the new policy framework.
This book covers developments in the field of thermotropic liquid crystals and their functional importance. It also presents advances related to different sub-areas pertinent to this interdisciplinary area of research. This text brings together research from synthetic scientists and spectroscopists and attempts to bridge the gaps between these areas. New physical techniques that are powerful in characterizing these materials are discussed.
This book covers allocation of metals in cells, metal transporter, storage and metalloregulatory proteins, cellular responses to metal ion stress, transcription of genes involved in metal ion homeostasis, uptake of essential metals, metal efflux and other

detoxification mechanisms. The book also discusses metal bioreporters for the nanomolar range of concentration and tools to address the metallome. In addition, coverage details specific metals.

Dipeptidyl Aminopeptidases

Anthropological Perspectives on Self-Destruction, Personhood, and Power

Geometric Function Theory

Imagining, Fabricating and Contesting Innovation

The Petri Net Approach

Bridging the Gap Between Algorithm Theory and Practice

Teyler's Foundation in Haarlem and its 'Book and Art Room' of 1779, edited by Ellinoor Bergvelt and Debora Meijers, examines for the first time this remarkable institution in the context of scientific, museological, political, artistic, religious and philosophical developments.

Dark Earths are a testament to vanished civilizations of the Amazon Basin, but may also answer how large societies could sustain intensive agriculture in an environment of infertile soils. This book examines their origin, properties, and

management. Questions remain: were they intentionally produced or a by-product of habitation. Additional new and multidisciplinary perspectives by leading experts may pave the way for the next revolution in soil management in the humid tropics.

Stroke is a major health concern worldwide, and the epidemiological data is staggering. One in six people will have a stroke during the course of their life; it is the second most common cause of death; and stroke also ranks second among causes contributing to the global burden of disability. However, the burden of stroke can be alleviated: it is potentially preventable, treatable, and possible to manage long term. Despite continuing advances in our knowledge about this disease, there is currently still a large evidence-to-clinical practice gap in all regions. The Oxford Textbook of Stroke and Cerebrovascular Disease is a comprehensive textbook on clinical stroke, covering all major aspects of cerebrovascular disease including epidemiology, risk factors, primary prevention, pathophysiology, diagnostics, clinical features, acute therapies,

secondary prevention, prognosis, and rehabilitation. It makes use of current pedagogic principles, and includes not only aspects on management in the acute hospital phase of stroke, but also public health issues, prevention, long-term management, and silent vascular disease (which is becoming increasingly epidemic in the general population). Topical aspects also include advice to improve clinical skills in examination, diagnosing, and treating stroke. The text also covers the fields of silent cerebrovascular disease (silent brain infarcts, microbleeds, white matter ischemic abnormalities) that more recently have been recognized to be highly prevalent in the general population, and that carry important risks on vascular events and cognitive decline/dementia. Chapters are written by a most distinguished group of international experts in the field of stroke from around the world, and have been carefully edited to ensure consistency in style and clarity of contents. The concurrent online version allows access to the full content of the textbook, contains links from the

references to primary research journal articles, allows full text searches, and provides access to figures and tables that can be downloaded to PowerPoint®. Practical, easy to use, yet detailed with respect to pathophysiology, diagnostics, and management, this text provides a source of reference for the detection and management of all stroke and less common cerebrovascular diseases for practising and trainee neurologists, geriatricians, and all stroke physicians and clinicians.

In this eBook, original and review papers on various aspects of endogenous viral elements (EVEs) are included. EVEs are integral parts of the genomes of eukaryotic organisms and are involved in various physiological and pathological processes. The focus of this eBook is on the involvement of EVEs in cancer and autoimmune diseases. Frontiers in Microbiology 3 February 2019 | EVEs, Autoimmunity and Cancer In particular, research on endogenous retroviruses and endogenous bornaviruses is included. The presented data demonstrate that EVEs are fascinating objects that are still worth exploring.

Early Mathematics Learning
Eukaryotic RNases and Their Partners in RNA Degradation and Biogenesis
Endogenous Viral Elements – Links Between Autoimmunity and Cancer?
A Cosmography of Man
Character Sketches in "The Tatler" and "The Spectator"
Advances in Bacterial Electron Transport Systems and Their Regulation

This book discusses the central role education and research play in generating both value and comparative advantages in the (imageries of) global competition, competitiveness and transnational value chains. They are seen as assets placed at the forefront of developments that are arguably reshaping individuals, society and economy. This edited volume explores these developments in terms of changing relations between society, economy, science and individuals. The idea that we live in global knowledge societies and knowledge-based economies or that present-day productive systems constitute an industry 4.0 have gained currency as descriptions of contemporary society that are said to bear direct and indirect consequences for political, economic, and social orders. In this context, innovation, science and education are central themes in contemporary discussions about the future of modern

societies. Innovation is enthusiastically embraced as the panacea for all sorts of societal issues of our times; science is equally deemed to play a decisive role in solving current problems and in heralding a bright future with more wealth and more welfare for all citizens; education is conferred the task to producing individuals equipped with both skills and competences considered key to innovation but also displaying the attitudes and dispositions that will secure continuous innovation and economic growth.

Designed to reform contemporary British society, Joseph Addison and Richard Steele's The Tatler (1709-1711) and The Spectator (1711-1712, 1714) rely heavily on the representation of contemporary manners. In shaping such behavioural images, the authors made use of the satirical character sketch. Their character sketches (re)create social interactions between fictionalised representatives of moral types of men and women located in contemporary London. This study examines how Addison and Steele employed the character sketch to create a 'cosmography' of (wo)man by actively engaging with the observational approaches of contemporary naturalists. Addison and Steele adapted distinctly empirical methods (e.g. induction and deduction, note taking, repeated and collective observation) and appropriated the (medico-legal) case study to communicate and disseminate socio-moral

knowledge. At the same time, the character sketch served them as a means to establish a taxonomic order of the socio-moral knowledge conveyed in the texts. The study sheds new light on the literary techniques and the methodological frameworks of two journals essentially associated with the British - and the European - Enlightenment.

Chemical Engineering and Chemical Process Technology - Volume VII

Handbook of Complex Analysis

Algorithm Engineering

F. W. Krummacher: an autobiography. Edited by his daughter. Translated by M. G. Easton. With a preface by Professor Cairns, etc

ER 2018 Workshops Emp-ER, MoBiD, MREBA, QMMQ, SCME, Xi'an, China, October 22-25, 2018, Proceedings