

Curriculum Vitae 1 Cama Epfl

This book constitutes the proceedings of the 12th International Conference on Information Security and Practice and Experience, ISPEC 2016, held in Zhangjiajie, China, in November 2016. The 25 papers presented in this volume were carefully reviewed and selected from 75 submissions. They cover multiple topics in information security, from technologies to systems and applications.

This is a concise reference book on analysis and mathematical physics, leading readers from a foundation to advanced level understanding of the topic. This is the perfect text for graduate or PhD mathematical-science students looking for support in topics such as distributions, Fourier transforms and microlocal analysis, C^* Algebras, value distribution of meromorphic functions, noncommutative differential geometry, differential geometry and mathematical physics, mathematical problems of general relativity, and special functions of mathematical physics. Analysis and Mathematical Physics is the sixth volume of the LTCC Advanced Mathematics Series. This series is the first to provide advanced introductions to mathematical science topics to advanced students of mathematics. Editor the three joint heads of the London Taught Course Centre for PhD Students in the Mathematical Sciences (LTCC), each book supports readers in broadening their mathematical knowledge outside of their immediate research disciplines while also covering specialized key areas.

With the competitiveness of firms in an open and integrated world environment increasingly reliant on technological capability, universities are being asked to take on a growing role in stimulating economic growth. Beyond imparting education, they are now viewed as sources of industrially valuable technical skills, innovations, and entrepreneurship. Developed and developing countries alike have made it a priority to realize this potential of universities to spur growth, a strategy that calls for coordinated policy actions.

Wave maps are the simplest wave equations taking their values in a Riemannian manifold (M, g) . Their Lagrangian is the same as for the scalar equation, the only difference being that lengths are measured with respect to the metric g . By Noether's theorem, symmetries of the Lagrangian imply conservation laws for wave maps, such as conservation of energy. In coordinates, wave maps are given by a system of semilinear wave equations. Over the past 20 years important methods have emerged which address the problem of local and global wellposedness of this system. Due to weak dispersive effects, wave maps defined on Minkowski spaces of low dimensions, such as $\mathbb{R}^{2+1}_{t,x}$, present particular technical difficulties. This class of wave maps has the additional important feature of being energy critical, which refers to the fact that the energy scales exactly like the equation. Around 2000 Daniel Tataru and Terence Tao, building on earlier work of Klainerman-Machedon, proved that smooth data of small energy lead to global smooth solutions for wave maps from $2+1$ dimensions into target manifolds satisfying some natural conditions. In contrast, for large data, singularities may occur in finite time for $M = \mathbb{S}^2$ as target. This monograph establishes that for \mathbb{H}^2 as target the wave map evolution of any smooth data exists globally as a smooth function. While the authors restrict themselves to the hyperbolic plane as target the implementation of the concentration-compactness method, the most challenging piece of this exposition, yields more detailed information on the solution. This monograph will be of interest to experts in nonlinear dispersive equations, in particular to those working on geometric evolution equations.

This book offers a systematic and comprehensive introduction to the Arctic in the era of globalization, or as it is referred to here, the 'GlobalArctic'. It provides an overview of the current status of the Arctic as a result of global change, while also considering the changes in the Arctic that have a global effect. It positions the Arctic within a broad international context, it addresses four main themes are discussed: economics and resources; environment and earth

system dynamics; peoples and cultures; and geopolitics and governance. Gathering together expert authors and building on long-term research activities, it serves as a valuable reference for future research endeavors.

Otl Aicher's writings are explorations of the world, a substantive part of his work. In moving through the history of thought and design, building and construction, he assures us of the possibilities of arranging existence in a humane fashion. As ever he is concerned with the question of the conditions needed to produce a civilised culture. These conditions have to be fought for against apparent factual or material constraints and spiritual and intellectual substitutes on offer. Otl Aicher likes a dispute. For this reason, the volume contains polemical statements on cultural and political subjects as well as practical reports and historical exposition. He fights with productive obstinacy, above all for the renewal of Modernism, which he claims has largely exhausted itself in aesthetic visions; he insists the ordinary working day is still more important than the "cultural Sunday". Wolfgang Jean Stock

1960, following as it did the last CIAM meeting, signalled a turning point for the Modern Movement. From then on, architecture was influenced by seminal texts by Aldo Rossi and Robert Venturi, and gave rise to the first revisionary movement following Modernism. Bringing together leading experts in the field, this book provides a comprehensive, critical overview of the developments in architecture from 1960 to 2010. It consists of two parts: the first section providing a presentation of major movements in architecture after 1960, and the second, a geographic survey that covers a wide range of territories around the world. This book not only reflects the different perspectives of its various authors, but also charts a middle course between the 'aesthetic' histories that examine architecture solely in terms of its formal aspects, and the more 'ideological' histories that subject it to a critique that often skirts the discussion of its formal aspects.

Serving as a unique, efficient solution to modern demands for security and safety sensing, distributed optical fiber sensing are critical components in areas such as natural disaster prevention and civil engineering. The unique book provides detailed explanations on how to install early warning systems for the prevention of natural disasters, flaws in civil engineering structures (dams, bridges, tunnels), and issues in the oil industry (pipeline leakage detection, off-shore platform anchoring.) Addressing the principles and specificities of distributed fiber sensing, this resource shows different possible implementations, their potential, and their limitations.

"The authors comprehensively and accurately describe, in detail, the history, concepts and technical aspects of the Ocean Thermal Energy Conversion (OTEC) Program...a splendid reference Volume which future OTEC entrepreneurs will find most worthwhile." --Ocean Engineering

We're always promising ourselves that we are going to get on top of our finances – finally pay down debt, start that investment portfolio, pay attention to our superannuation. But then life gets in the way. As we juggle the commitments and responsibilities in our busy lives, good money habits can quickly fade away. Canna Campbell is an experienced financial planner, and also a mother, partner and entrepreneur. She understands the challenge of trying to maintain balance and motivation when you're time-poor, and she's used this experience to develop an inspirational and effective approach to personal finance management. She shows you how to look at your finances with holistic and powerful

mindfulness, easily incorporating her step-by-step advice into your daily habits and routines. From new banking rituals and money mindsets to growing passive income through shares and property, she will help you shed the excess and embrace what you really love, value, use and appreciate – including your necessary luxuries. Canna leads by example, sharing her personal tips and tricks for building, managing and protecting your money. No matter what you earn or what level of knowledge you have, Mindful Money will help you to see that financial independence is achievable. 'Canna Campbell offers a glamorous vision of a life of minimalism and saving ... Not spending feels more like a creative challenge connected to a sense of purpose, rather than deprivation.'

New York Times

"Having been born a freeman, and for more than thirty years enjoyed the blessings of liberty in a free State—and having at the end of that time been kidnapped and sold into Slavery, where I remained, until happily rescued in the month of January, 1853, after a bondage of twelve years—it has been suggested that an account of my life and fortunes would not be uninteresting to the public."

-an excerpt

The Library Director IV Passbook(R) prepares you for your test by allowing you to take practice exams in the subjects you need to study. It provides hundreds of questions and answers in the areas that will likely be covered on your upcoming exam.

Ars Electronica has been accompanying and analyzing the digital revolution and its manifold implications since 1979. It has consistently focused and focuses on processes and trends at the interface between art, technology, and society. This artistic-scientific research becomes visible in the form of a festival that is organized every year in Linz (Austria). Its five-day program comprises conferences, panel discussions, workshops, exhibitions, performances, interventions, and concerts. The event is planned, organized, and produced in collaboration with international artists and scientists. Each festival addresses a different volatile future issue. This year it is the "Radical Atoms and the Alchemists of the Future." The volume uses images and texts to sketch this year's edition of the Ars Electronica Festival. Ars Electronica Festival, Linz 8.-12.9.2016

"During the last decade, the emergence of Italy as the dominant force in design has had a profound influence in Europe and the Americas. The phenomenon is important not only because of the high quality and diversity of the forms produced, but also because it has generated a lively debate on the sociocultural implications of product design, raising questions of vital concern to designers throughout the world. For many designers, the aesthetic quality of individual objects intended for private consumption have become irrelevant in the face of such pressing problems as poverty, urban decay, and the pollution of the environment now encountered in all industrialized countries. Consequently, they are increasingly shifting the focus of their attention from the well-designed object

to man's total environment, seeing the designer's function as one that can mold patterns of behavior by creating new settings for freer, more adaptable lifestyles. Some, however, despairing of effecting social change through design, regard their task as essentially a political one. They therefore abstain from the physical designing of either objects or environments and channel their energies into the staging of events and the issuing of polemical statements. Their approach thus parallels that of many artists in other mediums who view their art in primarily conceptual terms. This publication, issued in conjunction with a major exhibition at The Museum of Modern Art, is the first to deal comprehensively with these challenging developments. Over 150 objects of Italian design of the past ten years have been selected for the show and are all reproduced in color and black-and-white, as are the dozen environments by well-known Italian designers specially commissioned for the occasion, and the two awarded prizes in a concurrent competition for young designers under thirty-five sponsored by the Museum. Each environment is accompanied by a statement in which the individual or group responsible for the project clarifies his position regarding the present and future role of design. In addition to essays by Emilio Ambasz, Curator of Design at the Museum of Modern Art and director of the exhibition, the book contains contributions by a number of outstanding Italian critics and art historians. Together, these comprise the first historical survey of contemporary Italian design and a critical analysis of its intellectual and formal positions within the context of international design today." -- Publisher's description

This book constitutes the refereed proceedings of the 19th International Symposium on Research in Attacks, Intrusions, and Defenses, RAID 2016, held in Evry, France, in September 2016. The 21 full papers presented were carefully reviewed and selected from 85 submissions. They are organized around the following topics: systems security; low-level attacks and defenses; measurement studies; malware analysis; network security; systematization of knowledge and experience reports; Web and mobile security.

Experimental Museology scrutinizes innovative endeavours to transform museum interactions with the world. Analysing cutting-edge cases from around the globe, the volume demonstrates how museums can design, apply and assess new modes of audience engagement and participation. Written by an interdisciplinary group of researchers and research-led professionals, the book argues that museum transformations must be focused on conceptualizing and documenting the everyday challenges and choices facing museums, especially in relation to wider social, political and economic ramifications. In order to illuminate the complexity of these challenges, the volume is structured into three related key dimensions of museum practice - namely institutions, representations and users. Each chapter is based on a curatorial design proposed and performed in collaboration between university-based academics and a museum. Taken together, the chapters provide insights into a diversity of geographical contexts, fields and museums, thus building a comprehensive and reflexive repository of

design practices and formative experiments that can help strengthen future museum research and design. Experimental Museology will be of great value to academics and students in the fields of museum, gallery and heritage studies, as well as architecture, design, communication and cultural studies. It will also be of interest to museum professionals and anyone else who is interested in learning more about experimentation and design as resources in museums.

PAAMS, the International Conference on Practical Applications of Agents and Multi-Agent Systems is the international yearly tribune to present, to discuss, and to disseminate the latest developments and the most important outcomes related to real-world applications. It provides a unique opportunity to bring multi-disciplinary experts, academics and practitioners together to exchange their experience in the development of Agents and Multi-Agent Systems. This volume presents the papers that have been accepted for the 2011 edition. These articles capture the most innovative results and this year's trends: Finance and Trading, Information Systems and Organisations, Leisure Culture and Interactions, Medicine and Cloud Computing, Platforms and Adaptation, Robotics and Manufacturing, Security and Privacy, Transports and Optimisation paper. This book looks at ArtLab, an innovative facility in Lausanne, Switzerland, intended to bridge the gap between science and the humanities on a university campus. This superbly illustrated volume presents the ArtLab project, which highlights the intersection of science, art, and the public at the Lausanne Federal Institute of Technology (EPFL) in Switzerland. Designed by the renowned Japanese architect Kengo Kuma, ArtLab is a symbolic place of art, culture, and technology. The project combines three structures: the first is a welcome area to learn about the university's research, the second structure is an exhibition space that hosts art installations, while the third pavilion houses the newly digitized Montreux Jazz Festival archives and a café. The three pavilions are connected, constituting a single building with a folded roof, a topographical flow, and a hybrid steel and wood frame. ArtLab is located near buildings by SANAA and Dominique Perrault, forming a new heart for the EPFL campus. Kuma's building, originally entitled "Under One Roof," is an example of how innovative, problemsolving, and adaptive architecture is transforming the world.

?Resilience is one of the most important concepts in contemporary sociology. This volume offers a broad overview over the different theories and concepts of this category focusing on the cultural and political aspects of resilience.

Readins in high & low

This book is aimed at engineering academics worldwide, who are attempting to bring social justice into their work and practice, or who would like to but don't know where to start. This is the first book dedicated specifically to University professionals on Engineering and Social Justice, an emerging and exciting area of research and practice. An international team of multidisciplinary authors share their insights and invite and inspire us to reformulate the way we work. Each chapter is based on research and yet presents the outcomes of scholarly studies

in a user oriented style. We look at all three areas of an engineering academic's professional role: research, teaching and community engagement. Some of our team have created classes which help students think through their role as engineering practitioners in society. Others are focusing their research on outcomes that are socially just and for client groups who are marginalized and powerless. Yet others are consciously engaging local community groups and exploring ways in which the University might 'serve' communities at home and globally from a post-development perspective. We are additionally concerned with the student cohort and who has access to engineering studies. We take a broad social and ecological justice perspective to critique existing and explore alternative practices. This book is a handbook for any engineering academic, who wishes to develop engineering graduates as well as technologies and practices that are non-oppressive, equitable and engaged. It is also an essential reader for anyone studying in this interdisciplinary juncture of social science and engineering. Scholars using a critical theoretical lens on engineering practice and education, from Science and Technology Studies, History and Philosophy of Engineering, Engineering and Science Education will find this text invaluable.

In an epoch when particle physics is awaiting a major step forward, the Large Hydron Collider (LHC) at CERN, Geneva will soon be operational. It will collide a beam of high energy protons with another similar beam circulation in the same 27 km tunnel but in the opposite direction, resulting in the production of many elementary particles some never created in the laboratory before. It is widely expected that the LHC will discover the Higgs boson, the particle which supposedly lends masses to all other fundamental particles. In addition, the question as to whether there is some new law of physics at such high energy is likely to be answered through this experiment. The present volume contains a collection of articles written by international experts, both theoreticians and experimentalists, from India and abroad, which aims to acquaint a non-specialist with some basic issues related to the LHC. At the same time, it is expected to be a useful, rudimentary companion of introductory exposition and technical expertise alike, and it is hoped to become unique in its kind. The fact that there is substantial Indian involvement in the entire LHC endeavour, at all levels including fabrication, physics analysis procedures as well as theoretical studies, is also amply brought out in the collection. This volume contains the proceedings of the XIX International Colloquium on Mechanical Fatigue of Metals, held at the Faculty of Engineering of the University of Porto, Portugal, 5-7 September 2018. This International Colloquium facilitated and encouraged the exchange of knowledge and experiences among the different communities involved in both basic and applied research in the field of the fatigue of metals, looking at the problem of fatigue exploring analytical and numerical simulative approaches. Fatigue damage represents one of the most important types of damage to which structural materials are subjected in normal industrial services that can finally result in a sudden and unexpected abrupt fracture. Since metal alloys are still today the most used materials in designing the majority of components and structures able to carry the highest service loads, the study of the different aspects of metals fatigue attracts permanent attention of scientists, engineers and designers.

Reconstruction of ocean paleoproductivity and paleochemistry is paramount to understanding global biogeochemical cycles such as the carbon, oxygen and sulfur cycles and the responses of these cycles to changes in climate and tectonics. Paleo-reconstruction involves the application of various tracers that record seawater compositions, which in turn may be used to infer oceanic processes. Several important tracers are incorporated into pelagic barite, an

authigenic mineral that forms in the water column. Here we summarize the utility of pelagic barite for the reconstruction of export production and as a recorder of seawater S, O, Sr, Ca and Ba.

Humanitarian Engineering reviews the development of engineering as a distinct profession and of the humanitarian movement as a special socio-political practice. Having noted that the two developments were situated in the same geographical and historical space -- that is, in Europe and North America beginning in the 1700s -- the book argues for a mutual influence and synthesis that has previously been lacking. In this spirit, the first of two central chapters describes humanitarian engineering as the artful drawing on science to direct the resources of nature with active compassion to meet the basic needs of all -- especially the powerless, poor, or otherwise marginalized. A second central chapter then considers strategies for education in humanitarian engineering so conceived. Two final chapters consider challenges and implications. Table of Contents: Engineering / Humanitarianism / Humanitarian Engineering / Humanitarian Engineering Education / Challenges / Conclusion: Humanizing Technology

This book, inclusive of 19 chapters, provides discussions on the benefits and limitations of food-based approaches for the prevention and control of micronutrient malnutrition. Different chapters focus on specific relevant topics, including current developments in food-based approaches and their program applications, relevance of agricultural interventions to nutrition, impact of multi-sectoral programmes with food-based approaches components in alleviating undernutrition and micronutrient malnutrition, animal-source foods as a food-based approach to address nutrient deficiencies, aquaculture's role in improving food and nutrition security, benefits of vegetables and fruits in preventing and combating micronutrient malnutrition, benefits of food-based approaches for overcoming single specific micronutrient deficiencies, and food fortification. This book will be of great use to professionals interested in public health, human nutrition, micronutrient deficiency interventions, food and nutrition security policy interventions, and agricultural research.

A collection of essays grappling with some of the most significant topics of our time, *Essays Ancient and Modern* reveals Eliot's thoughts on his literary contemporaries and predecessors, the role of religion in a secular society, and the continuing tradition of the classics in modern education. Astute and erudite, here we see the inner thoughts of one of our greatest minds, articulated in some of his most eloquent and direct prose.

This book provides a comprehensive treatment of the field of modern fiber optics, beginning with the basics of the field summarized in an introductory chapter. Expert contributors then topics such as polarization effects in optical fibers; photonic crystal fibers; highly-doped optical fibers; non-linear effects; amplification and lasing i

The book that inspired the Academy Award-winning short film, from New York Times bestselling author and beloved visionary William Joyce. Morris Lessmore loved words. He loved stories. He loved books. But every story has its upsets. Everything in Morris Lessmore's life, including his own story, is scattered to the winds. But the power of story will save the day. Stunningly brought to life by William Joyce, one of the preeminent creators in children's literature, *The Fantastic Flying Books of Mr. Morris Lessmore* is a modern masterpiece, showing that in today's world of traditional books, eBooks, and apps, it's story that we truly celebrate—and this story, no matter how you tell it, begs to be read again and again.

Concentration Compactness for Critical Wave Maps
European Mathematical Society Presents an illustrated A-Z encyclopedia containing approximately 600 entries on computer and technology related topics.

Climate changes will affect food production in a number of ways. Crop yields, aquatic populations and forest productivity will decline, invasive insect and plant species will

proliferate and desertification, soil salinization and water stress will increase. Each of these impacts will decrease food and nutrition security, primarily by reducing access to and availability of food, and also by increasing the risk of infectious disease. Although increased biofuel demand has the potential to increase incomes among producers, it can also negatively affect food and nutrition security. Land used for cultivating food crops may be diverted to biofuel production, creating food shortages and raising prices. Accelerations in unregulated or poorly regulated foreign direct investment, deforestation and unsustainable use of chemical fertilizers may also result. Biofuel production may reduce women's control of resources, which may in turn reduce the quality of household diets. Each of these effects increases risk of poor food and nutrition security, either through decreased physical availability of food, decreased purchasing power, or increased risk of disease. The Impact of Climate Change and Bioenergy on Nutrition articulates the links between current environmental issues and food and nutrition security. It provides a unique collection of nutrition statistics, climate change projections, biofuel scenarios and food security information under one cover which will be of interest to policymakers, academia, agronomists, food and nutrition security planners, programme implementers, health workers and all those concerned about the current challenges of climate change, energy production, hunger and malnutrition. It is estimated that literally billions of residents in urban and peri-urban areas of Africa, Asia, and Latin America are served by onsite sanitation systems (e.g. various types of latrines and septic tanks). Until recently, the management of faecal sludge from these onsite systems has been grossly neglected, partially as a result of them being considered temporary solutions until sewer-based systems could be implemented. However, the perception of onsite or decentralized sanitation technologies for urban areas is gradually changing, and is increasingly being considered as long-term, sustainable options in urban areas, especially in low- and middle-income countries that lack sewer infrastructures. This is the first book dedicated to faecal sludge management. It compiles the current state of knowledge of the rapidly evolving field of faecal sludge management, and presents an integrated approach that includes technology, management, and planning based on Sandecs 20 years of experience in the field. Faecal Sludge Management: Systems Approach for Implementation and Operation addresses the organization of the entire faecal sludge management service chain, from the collection and transport of sludge, and the current state of knowledge of treatment options, to the final end use or disposal of treated sludge. The book also presents important factors to consider when evaluating and upscaling new treatment technology options. The book is designed for undergraduate and graduate students, and engineers and practitioners in the field who have some basic knowledge of environmental and/or wastewater engineering.

This book discusses the significance, relevance, and usefulness of professional ethics in the context of higher education. It highlights the pivotal role of professional ethics in offering teachers a better understanding of their responsibilities, duties, rights, and institutional obligations as they work to provide quality education. The volume investigates the connection between the adoption of professional ethics by individual faculty members in higher education and the development of work cultures in higher educational institutions. It explores the requisite modifications of the Teachers' Code of Ethics in relation to the usage of Information and Communication Technologies (ICTs)

in teaching–learning platforms. While examining the validity, reliability, and application of professional ethics in the higher education sector, the book also illustrates the application of codes of ethics to resolve conflicting interests and commitments. This book will be useful to scholars and researchers in higher education, the philosophy of education, applied ethics, public policy, and the social sciences.

This book constitutes the refereed proceedings of the 8th International Conference on Electronic Government, EGOV 2009, held in Linz, Austria, in August/September 2008 within the DEXA 2009 conference cluster. The 34 revised full papers presented were carefully reviewed and selected from 119 submissions. The papers are organized in topical sections on reflecting e-government research, administrative reform and public sector modernization, performance management and evaluation, aspects in government-to-citizen interactions, and building blocks in e-government advancements.

[Copyright: 9f2f097676ae8769e847e313bf0ea48c](#)