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## **Water-supply Paper - 1944**

*Computation and Comparison of Efficient Turbulence Models for Aeronautics — European Research Project ETMA* - Alain Dervieux  
2013-04-17

This volume contains contributions to the BRITE-EURAM 3rd Framework Programme ETMA and extended articles of the TMA-Workshop. It focusses on turbulence modelling techniques suitable to use in typical flow configurations, with emphasis on compressibility effects and inherent unsteadiness. These methodologies are applied to the Navier-Stokes equations, involving various turbulence modelling levels from algebraic to RSM. Basic turbulent flows in aeronautics are considered; mixing layers, wall-flows (flat-plate, backward-facing step, ramp, bump), and more complex configurations (bump, aerofoil). A critical assessment of the turbulence modelling performances is offered, based on previous results and on the experimental data-base of this research programme. The ETMA results figure in the data-base constituted by all partners and organized by INRIA

*Automobility and the City in Twentieth-Century Britain and Japan* - Simon Gunn  
2019-08-22

*Automobility and the City in Twentieth-Century Britain and Japan* is the first book to consider how mass motorization reshaped cities in Japan and Britain during the 20th century. Taking two leading 'motor cities', Nagoya and Birmingham, as their principal subjects, Simon Gunn and Susan C. Townsend show how cars changed the spatial form and individual experience of the modern city and reveal the similarities and differences between Japan and Britain in adapting to the 'motor age'. The book has three main themes: the place of automobility in post-war urban reconstruction; the emerging conflict between the promise of mobility and personal freedom offered by the car and its consequences for the urban environment (the M/E dilemma); and the extent to which the Anglo-Japanese comparison can throw light on fundamental differences in cultural understanding of the environment, urbanism and the self. The result is the first comparative history of mass automobility and its environmental consequences between East and West.

**Total Survey Error in Practice** - Paul P. Biemer  
2017-02-21

Featuring a timely presentation of total survey error (TSE), this edited volume introduces valuable tools for understanding and improving survey data quality in the context of evolving large-scale data sets. This book provides an overview of the TSE framework and current TSE research as related to survey design, data collection, estimation, and analysis. It recognizes that survey data affects many public policy and business decisions and thus focuses on the framework for understanding and improving survey data quality. The book also addresses issues with data quality in official statistics and in social, opinion, and market research as these fields continue to evolve, leading to larger and messier data sets. This perspective challenges survey organizations to find ways to collect and process data more efficiently without sacrificing quality. The volume consists of the most up-to-date research and reporting from over 70 contributors representing the best academics and researchers from a range of fields. The chapters are broken out into five main sections: The Concept of TSE and the TSE Paradigm, Implications for Survey Design, Data Collection and Data Processing Applications, Evaluation and Improvement, and Estimation and Analysis. Each chapter introduces and examines multiple error sources, such as sampling error, measurement error, and nonresponse error, which often offer the greatest risks to data quality, while also encouraging readers not to lose sight of the less commonly studied error sources, such as coverage error, processing error, and specification error. The book also notes the relationships between errors and the ways in which efforts to reduce one type can increase another, resulting in an estimate with larger total error. This book: • Features various error sources, and the complex relationships between them, in 25 high-quality chapters on the most up-

to-date research in the field of TSE • Provides comprehensive reviews of the literature on error sources as well as data collection approaches and estimation methods to reduce their effects • Presents examples of recent international events that demonstrate the effects of data error, the importance of survey data quality, and the real-world issues that arise from these errors • Spans the four pillars of the total survey error paradigm (design, data collection, evaluation and analysis) to address key data quality issues in official statistics and survey research Total Survey Error in Practice is a reference for survey researchers and data scientists in research areas that include social science, public opinion, public policy, and business. It can also be used as a textbook or supplementary material for a graduate-level course in survey research methods.

*Cambridge IGCSE Computer Science* - David Watson  
2015-01-30  
Endorsed by Cambridge International Examinations. Develop your students computational thinking and programming skills with complete coverage of the latest syllabus from experienced examiners and teachers. - Follows the order of the syllabus exactly, ensuring complete coverage - Introduces students to self-learning exercises, helping them learn how to use their knowledge in new scenarios Accompanying animation files of the key concepts are available to download for free online. See the Quick Links to the left to access. This book covers the IGCSE (0478), O Level (2210) and US IGCSE entry (0473) syllabuses, which are for first examination 2015. It may also be a useful reference for students taking the new Computer Science AS level course (9608).

*History of Soymilk and Other Non-Dairy Milks (1226-2013)* - William Shurtleff, Akiko Aoyagi  
2013-08-29

*The Representational Theory of Capital* - Leonidas Zelmanovitz  
2020-11-18

This book proposes a "representational" theory of capital according to which there is a relation between capital goods in the real side of the economy and instruments representative of property claims on those goods in the abstract side. Financial instruments are treated herein as a particularly liquid form of property claim. The relation proposed between these two things is a loose rather than a direct one, and the causes for (and consequences of) the looseness are explored in the book. This book aims not merely to simplify our understanding of the relationship between "things" and "claims to things," but to make explicit and precise what many current researchers assume implicitly and, consequently, imprecisely. This book will be a tool that researchers can apply to their own research, in the form of a standard by which inconsistencies in the literature on Capital Theory can be identified. Understanding what capital is requires delving into its nature on both the real and the abstract sides. In regard to capital goods, what they actually are is made clearer by the thesis that they exist on a spectrum with respect to consumer goods. In going back to the philosophical and economic basics, no claim is made of being comprehensive. The argument is that a crucial idea for our understanding of what capital is that actual capital goods (and processes, and knowledge) are represented in financial instruments and other property claims. A formal treatment that lays out the philosophical and economic basics is necessary to put this idea across, and the model proposed in the book is a first step in that direction. Further, by laying out the philosophical and economic basics of the theory, the book offers the reader the reasons why having a clearer concept of capital is an important tool for wealth creation, and why wealth creation is, more than ever, necessary for our individual wellbeing and the flourishing of our civilization.

*Into the Heart of Borneo* - Redmond O'Hanlon  
2005-02-24

'We've left a lot of men in Borneo - know what I mean?' With their SAS trainer's warnings ringing in their ears, the naturalist, Redmond O'Hanlon, and the poet, James Fenton, set out to rediscover the lost rhinoceros of Borneo. They were loaded with enough back-breaking kit to

survive two months in a steaming 95° (in the shade) jungle of creeping, crawling, biting things. O'Hanlon could also rely on his encyclopaedic knowledge of the region's flora and fauna, and had read-up on how to avoid being eaten by anything (stick your thumbs in a crocodile's eyes, if you have time). And yet they proceeded to have an adventure that neither O'Hanlon, nor his friend, nor even his guides were remotely prepared for... 'Consistently exciting, often funny, and erudite without ever being overwhelming' Punch.

#### **Cellular and molecular mechanisms of motor neuron death in amyotrophic lateral sclerosis** - Ricardo Tapia 2015-02-11

Amyotrophic lateral sclerosis (ALS), which was described since 1869 by Jean Martin Charcot, is a devastating neurodegenerative disease characterized by the selective and progressive loss of upper and lower motor neurons of the cerebral cortex, brainstem and the spinal cord. The cognitive process is not affected and is not merely the result of aging because may occur at young ages. The only known cause of the disease is associated with genetic mutations, mainly in the gene encoding superoxide dismutase 1 (familial ALS), whereas there is no known cause of the sporadic form of ALS (SALS), which comprises >90% of cases. Both ALS types develop similar histopathological and clinical characteristics, and there is no treatment or prevention of the disease. Because effective treatments for ALS, as for other neurodegenerative diseases, can only result from the knowledge of their cellular and molecular pathophysiological mechanisms, research on such mechanisms is essential. Although progress in neurochemical, physiological and clinical investigations in the last decades has identified several mechanisms that seem to be involved in the cell death process, such as glutamate-mediated excitotoxicity, alterations of inhibitory circuits, inflammatory events, axonal transport deficits, oxidative stress, mitochondrial dysfunction and energy failure, the understanding of the origin and temporal progress of the disease is still incomplete and insufficient. Clearly, there is a need of further experimental models and approaches to discern the importance of such mechanisms and to discover the factors that determine the selective death of motor neurons characteristic of ALS, in contrast to other neurodegenerative diseases such as Parkinson's and Alzheimer's disease. Whereas studies in vitro in cell cultures, tissue slices or organotypic preparations can give useful information regarding cellular and molecular mechanisms, the experiments in living animal models obviously reflect more closely the situation in the human disease, provided that the symptoms and their development during time mimics as close as possible those of the human disease. It is necessary to correlate the experimental findings in vitro with those in vivo, as well as those obtained in genetic models with those in non-genetic models, aiming at designing and testing therapeutic strategies based on the results obtained.

*Big Data* - John Storm Pedersen 2019

Promise, Application and Pitfalls

*Three Fearful Days* - Malcolm E. Barker 2006

Three Fearful Days is unique among books dealing with San Francisco's 1906 earthquake and fire, because survivors of the tragedy tell their own stories. This volume, now available in hardcover, contains more than 40 narratives culled from letters, diaries, and accounts written at the time. To mark the 100th anniversary of the catastrophe, the survivors voices are heard once again?in many instances for the first time since the dramatic event.

#### **Thinking about the future of food safety** - Food and Agriculture Organization of the United Nations 2022-03-04

Agrifood systems are undergoing a transformation with the aim to provide safer, more affordable, and healthier diets for all, produced in a sustainable manner while delivering just and equitable livelihoods: a key to achieving the UN's 2030 Agenda for Sustainable Development. However, this transformation needs to be executed in the global context of major challenges facing the food and agriculture sectors, with drivers such as climate change, population growth, urbanization, and natural resources depletion compounding these challenges. Food safety is a keystone to agrifood systems and all food safety actors need to keep pace with the ongoing transformation while preparing to navigate the potential threats, disruptions, and challenges that may arise. Foresight in food safety facilitates the proactive identification of drivers and related trends, both within and outside agrifood systems, that have implications for food safety and therefore also for consumer health, the national economy, and international trade. Early identification and evaluation of drivers and trends promote strategic planning and preparedness to take advantage of emerging opportunities and address challenges in food safety. In this publication, the FAO Food Safety Foresight programme

provides an overview of the major global drivers and trends by describing their implications for food safety in particular and for agrifood systems by extrapolation. The various drivers and trends reported include climate change, changing consumer behaviour and preferences, new food sources and production systems, technological advances, microbiome, circular economy, food fraud, among others. The intended audience for this publication is broad - from the policymakers, academia, food business operators, private sector, to all of us, the consumers. *Urban Ecology and Human Health* - Ian Douglas 2022-11-16

*The Statist* - 1892

*The Detective's Handbook* - John A. Eterno 2015-06-01

The Detective's Handbook details the vital information law enforcement officers need to know to become better detectives. Since all essential aspects of detective work cannot be covered in a single volume, the editors have selected 20 of the most critical issues detectives face in their day-to-day work and present them in separate chapters. Using a unique format and style, this essential handbook draws on the expertise of contributors with police and academic backgrounds to provide both new and seasoned detectives with invaluable insights. It covers a wide range of detective procedures and practices employed in the United States and can be read as a whole or used as a reference for conducting various types of investigations and interrogations. The book highlights common mistakes and outlines best practices to help readers avoid making the same mistakes in the field. It provides the tools and understanding to conduct the range of investigations that today's detectives will most likely have to conduct, including those involving sexual predators, healthcare and financial fraud, cyber crime, gangs, cults, personal violence, and property. The text concludes with a section on all-purpose practices and lessons for investigations. In this section, readers will learn the practical aspects of interviewing and interrogating witnesses, including how to interview and communicate with special populations, such as those with mental and physical disabilities. Sharing the most effective investigative practices and procedures in use today, this book is a must-have for police, sheriffs, and other government agencies that are responsible for protecting the public.

#### **United States Exports of Domestic and Foreign Merchandise** - 1948

**Understanding Databases** - Suzanne W. Dietrich 2021-08-17

Understanding Databases: Concepts and Practice is an accessible, highly visual introduction to database systems for undergraduate students across many majors. Designed for self-contained first courses in the subject, this interactive e-textbook covers fundamental database topics including conceptual design, the relational data model, relational algebra and calculus, Structured Query Language (SQL), database manipulation, transaction management, and database design theory. Visual components and self-assessment features provide a more engaging and immersive method of learning that enables students to develop a solid foundation in both database theory and practical application. Concise, easy-to-digest chapters offer ample opportunities for students to practice and master the material, and include a variety of solved real-world problems, self-check questions, and hands-on collaborative activities that task students to build a functioning database. This Enhanced eText also offers interactive multiple-choice questions with immediate feedback that allow students to self-assess as they proceed through the book. Case studies, illustrative examples, color summary figures and tables with annotations, and other pedagogical tools are integrated throughout the text to increase comprehension and retention of key concepts and help strengthen students' problem-solving skills.

#### **United States General Imports of Merchandise. Country of Origin by Commodity** - United States. Bureau of the Census 1946-07

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*Federal Register* - 2013-12

*Geological Survey Water-supply Paper* - 1971

**Climatological Data** - 1971

Collection of the monthly climatological reports of the United States by state or region, with monthly and annual national summaries.

**Wholesale Prices Series** - United States. Bureau of Labor Statistics 1913

No. 1, 1890 to 1912, "summarizes data published in previous wholesale

price reports of the bureau, Bulletins 39, 45, 51, 57, 63, 69, 75, 81, 87, 93, and 99."

**The East Asian Challenge for Democracy** - Daniel A. Bell 2013-08-12  
The rise of China, along with problems of governance in democratic countries, has reinvigorated the theory of political meritocracy. But what is the theory of political meritocracy and how can it set standards for evaluating political progress (and regress)? To help answer these questions, this volume gathers a series of commissioned research papers from an interdisciplinary group of leading philosophers, historians and social scientists. The result is the first book in decades to examine the rise (or revival) of political meritocracy and what it will mean for political developments in China and the rest of the world. Despite its limitations, meritocracy has contributed much to human flourishing in East Asia and beyond and will continue to do so in the future. This book is essential reading for those who wish to further the debate and perhaps even help to implement desirable forms of political change.

**Advancements in Biomass Feedstock Preprocessing: Conversion Ready Feedstocks** - J. Richard Hess 2020-03-12

The success of lignocellulosic biofuels and biochemical industries depends upon an economic and reliable supply of quality biomass. However, research and development efforts have historically focused on the utilization of agriculturally-derived, cellulosic feedstocks without consideration of their low energy density, high variations in physical and chemical characteristics and potential supply risks in terms of availability and affordability. This Research Topic will explore strategies that enable supply chain improvements in biomass quality and consistency through blending, preprocessing, diversity and landscape design for development of conversion-ready, lignocellulosic feedstocks for production of biofuels and bio-products. Biomass variability has proven a formidable challenge to the emerging biorefining industry, impeding continuous operation and reducing yields required for economical production of lignocellulosic biofuels at scale. Conventional supply systems lack the preprocessing capabilities necessary to ensure consistent biomass feedstocks with physical and chemical properties that are compatible with supply chain operations and conversion processes. Direct coupling of conventional feedstock supply systems with sophisticated conversion systems has reduced the operability of biorefining processes to less than 50%. As the bioeconomy grows, the inherent variability of biomass resources cannot be managed by passive means alone. As such, there is a need to fully recognize the magnitude of biomass variability and uncertainty, as well as the cost of failing to design feedstock supply systems that can mitigate biomass variability and uncertainty. A paradigm shift is needed, from biorefinery designs using raw, single-resource biomass, to advanced feedstock supply systems that harness diverse biomass resources to enable supply chain resilience and development of conversion-ready feedstocks. Blending and preprocessing (e.g., drying, sorting, sizing, fractionation, leaching, densification, etc.) can mitigate variable quality and performance in diverse resources when integrated with downstream conversion systems. Decoupling feedstock supply from biorefining provides an opportunity to manage supply risks and incorporate value-added upgrading to develop feedstocks with improved convertibility and/or market fungibility. Conversion-ready feedstocks have undergone the required preprocessing to ensure compatibility with conversion and utilization prior to delivery at the biorefinery and represent lignocellulosic biomass with physical and chemical properties that are tailored to meet the requirements of industrially-relevant handling and conversion systems.

**From Rhodesia to Zimbabwe** - Henry Wiseman 2013-10-22

From Rhodesia to Zimbabwe: The Politics of Transition studies the last phase of the transfer of power from illegal white minority control to freely elected majority rule in Zimbabwe. This book is divided into five chapters; the first of which describes the transition from Lusaka to Lancaster, including subtopics on the issues and results of commonwealth and constitutional conferences. This text then describes the implementation of the Lancaster House Agreement and the Monitoring Force. A chapter discusses the significance of the accredited observers in transitional process and the elections. This text ends with the general observations on the transition process. This book will be interesting to historians, academicians, public administrators, and students of politics.

**Seidel's Guide to Physical Examination - E-Book** - Jane W. Ball 2017-12-21

Seidel's Guide to Physical Examination 9th Edition offers a uniquely interprofessional, patient-centered, lifespan approach to physical examination and health assessment. This new edition features an

increased focus on patient safety, clinical reasoning, and evidence-based practice, along with an emphasis on the development of good communication skills and effective hands-on examination techniques. Each core chapter is organized into four sections - Anatomy and Physiology, Review of Related History, Examination and Findings, and Abnormalities - with lifespan content integrated into each area. Written by an author team comprised of advance practice nurses and physicians with specialties in the care of adults, older adults, and children, this one-of-a-kind textbook addresses health assessment and physical examination for a wide variety of disciplines. UNIQUE! Interprofessional, interdisciplinary approach, written by two advanced practice nurses and three physicians, with expertise in both pediatric and adult-geriatric health. UPDATED! Infectious outbreak content addresses the growing problem of global infectious disease outbreaks such as Zika and Ebola and the need for infection precautions. UNIQUE! Cross-references to Dains et al: Advanced Health Assessment & Clinical Diagnosis in Primary Care help you take "the next step" in your clinical reasoning abilities and provides a more seamless user experience. UNIQUE! Compassionate, patient-centered approach emphasizes developing good communication skills, use of effective hands-on examination techniques, and reliance on clinical reasoning and clinical decision-making. Integrated lifespan content includes separate sections in each chapter on Infants and Children, Adolescents, Pregnant Women, and Older Adults. NEW! Emphasis on clinical reasoning provides insights and clinical expertise to help you develop clinical judgment skills. NEW! Enhanced emphasis on patient safety and healthcare quality, particularly as it relates to sports participation. NEW! Content on documentation has been updated with a stronger focus on electronic charting (EHR/EMR). NEW! Enhanced social inclusiveness and patient-centeredness incorporates LGBTQ patients and providers, with special emphasis on cultural competency, history-taking, and special considerations for examination of the breasts, female and male genitalia, reproductive health, thyroid, and anus/rectum/prostate. NEW! Telemedicine, virtual consults, and video interpreters content added to the Growth, Measurement, and Nutrition chapter. NEW! Improved readability with a clear, straightforward, and easy-to-understand writing style. NEW! Updated drawing, and photographs enhance visual appeal and clarify anatomical content and exam techniques.

**Minerals Yearbook** - 2010

**Monthly Catalog of United States Government Publications** -

**Computer Vision - ACCV 2018** - C.V. Jawahar 2019-05-25

The six volume set LNCS 11361-11366 constitutes the proceedings of the 14th Asian Conference on Computer Vision, ACCV 2018, held in Perth, Australia, in December 2018. The total of 274 contributions was carefully reviewed and selected from 979 submissions during two rounds of reviewing and improvement. The papers focus on motion and tracking, segmentation and grouping, image-based modeling, deep learning, object recognition object recognition, object detection and categorization, vision and language, video analysis and event recognition, face and gesture analysis, statistical methods and learning, performance evaluation, medical image analysis, document analysis, optimization methods, RGBD and depth camera processing, robotic vision, applications of computer vision.

**Engineering News** - 1905

**Serving Library Users from Asia** - John Hickok 2019-06-12

Asian populations are among some of the fastest growing cultural groups in the US. This book is a comprehensive guide to serving library users from 24 specific Asian countries. It begins with a broad overview of how libraries can better serve Asian communities and then devotes a chapter to each country, providing wealth of valuable resources.

**Cambridge International AS and A Level English Language Coursebook** - Mike Gould 2014-08-21

Comprehensive student-friendly resources designed for teaching Cambridge International AS and A Level English Language (syllabus 9093). The core aim of this Coursebook is to help students to develop and apply the key skills they need to achieve in AS and A Level English Language. They will build the skills needed for assessment through frequent activities. Divided into two distinct parts for AS and A Level studies, the book covers a wide range of reading skills, such as understanding aspects of style, voice and tone. It also addresses the conventions of key kinds of writing and spoken language, from scripted speeches to travel articles, and looks at how they can capture these

conventions in their own work.

*Regulation of red cell life-span, erythropoiesis, senescence and clearance*  
- Lars Kaestner 2014-12-03

Human red blood cells are formed mainly in the bone marrow and are believed to have an average life span of approximately 120 days. However, is it true for all red blood cells? What are the changes associated with red cell maturation, adulthood and senescence? What are the determinants of red cell life span and clearance? What are the mechanisms in control of red cell mass in healthy humans and patients with various forms of anemia? What are the markers of circulating red cell senescence and in cells during storage and transfusion? Within the life span may properties of red cells change leading to age-mixed circulating cell populations. Although these cells appear to be genetically terminated by the time they are released into the blood stream, they undergo surprisingly versatile modifications depending on the life-style and health conditions of a "human host". Numerous disorders are believed to be associated with facilitated ageing of red blood cells. "In vitro ageing" and damage of red blood cells during storage is yet one more important issue related to the risks and efficiency of blood transfusion. Many of the mechanisms behind such effects are far from being fully understood. In this context the Research Topic is set to include articles in the field of biochemical investigations, biophysical approaches, physiological and clinical studies related to red blood cell maturation and aging. This includes Original Research, Methods, Hypothesis and Theory, Reviews and Perspectives.

**Process Control** - Béla G. Lipták 2013-10-02

Instrument Engineers' Handbook, Third Edition: Process Control provides information pertinent to control hardware, including transmitters, controllers, control valves, displays, and computer systems. This book presents the control theory and shows how the unit processes of distillation and chemical reaction should be controlled. Organized into eight chapters, this edition begins with an overview of the method needed for the state-of-the-art practice of process control. This text then examines the relative merits of digital and analog displays and computers. Other chapters consider the basic industrial annunciators and other alarm systems, which consist of multiple individual alarm points that are connected to a trouble contact, a logic module, and a visual indicator. This book discusses as well the data loggers available for process control applications. The final chapter deals with the various pump control systems, the features and designs of variable-speed drives, and the metering pumps. This book is a valuable resource for engineers.

**Climatological Data, North Carolina** - United States. Environmental Data Service 1971

**Climatological Data** - United States. Environmental Data Service 1970  
Collection of the monthly climatological reports of the United States by state or region with monthly and annual national summaries.

**FCC Record** - United States. Federal Communications Commission 2016

**The Man Who Went to the Far Side of the Moon** - Bea Uusma Schyffert 2003-07

Presents a biography of the astronaut, Michael Collins, who circled the moon in the Apollo 11 space capsule while his colleagues Neil Armstrong and Buzz Aldrin landed the lunar module and walked on the moon.

**Visual and Non-Visual Effects of Light** - Agnieszka Wolska 2020-07-29

The introduction of artificial lighting extends the time of wakefulness after dark and enables work at night, thus disturbing the human circadian rhythm. The understanding of the physiological mechanisms of visual and non-visual systems may be important for the development and use of proper light infrastructure and light interventions for different workplace settings, especially for shift work conditions. *Visual and Non-Visual Effects of Light: Working Environment and Well-Being* presents the impact of lighting in the working environment on human health, well-being and visual performance. The physiological explanation of the visual and non-visual effects of light on humans which discusses the biological bases of image and non-image forming vision at the cellular level may be of particular interest to any professional in the field of medicine, physiology, and biology. It is one of the intentions of this book to put forward some recommendations and examples of lighting design which take into account both the visual and non-visual effects of light on humans. These may be of particular interest to any professional in the field of lighting, occupational safety and health, and interior design. "What effects on health can a light 'overdose' or light deficiency have? What is bad light? The authors of the monograph provide answers to these questions. Just as for a physicist, the dual nature of light comprises an electromagnetic wave and a photon, the duality of light for a physician comprises visual and non-visual effects." -----

-----Prof Jacek Przybylski, Medical University of Warsaw "This is a unique publication in the field of lighting technology. The authors have skillfully combined both the technical and biomedical aspects involved, which is unprecedented in the literature available. As a result, an important study has been created for many professional groups, with a significant impact on the assessment of risks associated with LED sources." -----Prof Andrzej Zajac, Military University of Technology, Warsaw