Replaced Paper C4 June 2013

In How to Rebuild and Modify Ford C4 and C6 Automatic Transmissions, author George Reid walks readers through the process step-by-step, from removing the transmission, to complete overhaul, to proper re-installation and road testing.

Following an invitation from the Czechoslovakian The scientific programme consisted of 14 plenary delegates at the First Conference of European Rheo lectures as well as 310 short presentations, which were logists at Graz in 1982 and adecision by the European held in six parallel sessions in seven half-day sittings. members of the International Committee of Rheology The provision of a reading room containing submitted at the 1983 "Conference of Engineering Rheology" in manuscripts of talks presented at the meeting proved London, the Rheology Group of the Czechoslovak to be popular and seems a worthwhile addition to any Chemical Society (Chairman: Doz. lug. I. Sestak meeting, at least those holding parallel sessions. There CSc.) was entrusted with the organization of the Sec was also a display by nine companies of a wide variety ond Conference of European Rheologists. For an of current rheological instruments. outline of the process leading to the decision to hold The programme for accompanying persons befitted such European meetings, see the Introduction to the the historical significance of the region. The evening Proceedings of the First Conference of European programme included an opening ceremony and recep Rheologists; Rheol Acta 21:355-356 (1982). tion on Monday and an informal banquet on Thurs This Conference was held in the Prague Palace of day as well as a visit to the opera.

This book covers elementary discrete mathematics for computer science and engineering. It emphasizes mathematical definitions and proofs as well as applicable methods. Topics include formal logic notation, proof methods; induction, well-ordering; sets, relations; elementary graph theory; integer congruences; asymptotic notation and growth of functions; permutations and combinations, counting principles; discrete probability. Further selected topics may also be covered, such as recursive definition and structural induction; state machines and invariants; recurrences; generating functions.

This book constitutes the thoroughly refereed post-conference proceedings of the 9th International Conference on Large-Scale Scientific Computations, LSSC 2013, held in Sozopol, Bulgaria, in June 2013. The 74 revised full papers presented together with 5 plenary and invited papers were carefully reviewed and selected from numerous submissions. The papers are organized in topical sections on numerical modeling of fluids and structures; control and uncertain systems; Monte Carlo methods: theory, applications and distributed computing; theoretical and algorithmic advances in transport problems; applications of metaheuristics to large-scale problems; modeling and numerical simulation of processes in highly heterogeneous media; large-scale models: numerical methods, parallel computations and applications; numerical solvers on many-core systems; cloud and grid computing for resource-intensive scientific applications.

This book constitutes the refereed proceedings of the 9th International Conference on Intelligent Computing, ICIC 2013, held in Nanning, China, in July 2013. The 79 revised full papers presented were carefully reviewed and selected from 561 submissions. The papers are organized in topical sections on systems biology and computational biology; cognitive science and computational neuroscience; knowledge discovery and data mining; machine learning theory and methods; biomedical informatics theory and methods; complex systems theory and methods; natural language processing and computational linguistics; fuzzy theory and models; fuzzy systems and soft computing; particle swarm optimization and niche technology; swarm intelligence and optimization; unsupervised and reinforcement learning; intelligent computing in bioinformatics; intelligent computing in Petri nets/transportation systems; intelligent computing in social networking; intelligent computing in network software/hardware; intelligent control and automation; intelligent data fusion and information security; intelligent sensor networks; intelligent fault diagnosis; intelligent computing in signal processing; intelligent computing in pattern recognition; intelligent computing in biometrics recognition; intelligent computing in image processing; intelligent computing in computer vision; special session on biometrics system and security for intelligent computing; special session on bio-inspired computing and applications; special session on intelligent computing and personalized assisted living; computer human interaction using multiple visual cues and intelligent computing; and special session on protein and gene bioinformatics: analysis, algorithms and applications.

This new Defence White Paper explains how the Government plans to strengthen the foundations of Australia's defence. It sets out the Government's plans for Defence for the next few years, and how it will achieve those plans. Most importantly, it provides an indication of the level of resources that the Government is planning to invest in Defence over coming years and what the Government, on behalf of the Australian people, expects in return from Defence. Ultimately, armed forces exist to provide Governments with the option to use force. Maintaining a credible defence capability is a crucial contributor to our security, as it can serve to deter potential adversaries from using force against us or our allies, partners and neighbours.

Indexes the Times and its supplements.

This Special Issue of Water, Air, and Soil Pollution offers original contributions from BIOGEOMON, The Third International Symposium on Ecosystem Behavior, which was held on the campus ofVillanova University from June 21-25, 1997. Previous meetings were held in Prague in 1987 and again in 1993. The BIOGEOMON series was initiated in 1987 when a group of researchers from the Czech Geological Survey organized a conference called GEOMON, Geochemical Monitoring in Representative Basins. GEOMON was fairly narrowly focused on monitoring of element pools and fluxes on a small watershed scale. As signalled by the change in name to BIOGEOMON, the second conference explicitly recognized that assessment of anthropogenic effects on ecosystem processes requires a combination of geochemical monitoring with other approaches, including watershed-level manipulations, use of radioactive and stable isotopic tracers, and both empirical and process modeling. The 1997 BIOGEOMON conference was the largest, with over 240 participants from 28 countries on five continents in attendance, and broadest in scope. The conference featured a plenary speaker, six keynote speakers, 35 invited speakers, over 60 oral contributed presentations, and over 75 poster presentations.

This paper clearly shows the immediate relevancy of historical study to current events. One of the most common criticisms of the U.S. plan to invade Iraq in 2003 is that too few troops were used. The argument often fails to satisfy anyone for there is no standard against which to judge. A figure of 20 troops per 1000 of the local population is often mentioned as the standard, but as McGrath shows, that figure was arrived at with some questionable assumptions. By analyzing seven military operations from the last 100 years, he arrives at an average number of military forces per 1000 of the population that have been employed in what would generally be considered successful military campaigns. He also points out a variety of important factors affecting those numbers-from geography to local forces employed to supplement soldiers on the battlefield, to the use of contractors-among others.

"This book offers insight into current research practices and trends in Information Resource Management strategies that are implemented electronically"--Provided by publisher.

This volume presents new trends and developments in soft computing techniques. Topics include: neural networks, fuzzy systems, evolutionary computation, knowledge discovery, rough sets, and hybrid methods. It also covers various applications of soft computing techniques in economics, mechanics, medicine, automatics and image processing. The book contains contributions from internationally recognized scientists, such as Zadeh, Bubnicki, Pawlak, Amari, Batyrshin, Hirota, Koczy, Kosinski, Novák, S.-Y. Lee, Pedrycz, Raudys, Setiono, Sincak, Strumillo, Takagi, Usui, Wilamowski and Zurada. An excellent overview of soft computing methods and their applications. International Federation of Classification Societies The International Federation of Classification Societies (IFCS) is an agency for the dissemination of technical and scientific information concerning classification and multivariate data analysis in the broad sense and in as wide

a range of applications as possible; founded in 1985 in Cambridge (UK) by the following Scientific Societies and Groups: - British Classification Society - BCS - Classification Society of North America - CSNA - Gesellschaft fUr Klassification - GfKI - Japanese Classification Society - JCS - Classification Group ofItalian Statistical Society - CGSIS - Societe Francophone de Classification - SFC Now the IFCS includes also the following Societies: - Dutch-Belgian Classification Society - VOC - Polish Classification Section - SKAD - Portuguese Classification Association - CLAD - Group at Large - Korean Classification Society - KCS IFCS-98, the Sixth Conference of the International Federation of Classification Societies, was held in Rome, from July 21 to 24, 1998. Five preceding conferences were held in Aachen (Germany), Charlottesville (USA), Edinburgh (UK), Paris (France), Kobe (Japan).

Now available in PDF format. Experience the best of San Francisco with DK Eyewitness Travel Guide: San Francisco and Northern California. This newly updated travel guide for San Francisco will lead you straight to the best attractions the region has to offer, from strolling across the Golden Gate Bridge to sunning with sea lions on Pier 39 to discovering the city's hottest neighborhoods on walking tours. Plus, check out the best of Northern California with suggested highlights for Mendocino, Napa Valley wine country, national parks, and more. In-depth coverage of the city's history and culture accompanies DK's famous cutaway illustrations of major architectural and historic sights, museum floor plans, and 3-D aerial views of key districts to explore on foot. A map is marked with sights from the guidebook and includes a street index, a metro map, and a chart showing the walking distances between major sights. Expert travel writers have fully revised this edition of DK Eyewitness Travel Guide: San Francisco and Northern California with completely new hotel and restaurant listings, themed itineraries for help planning a trip to San Francisco by length of stay or by interest, and all the latest information on things to see and do on your next trip to California. With hundreds of full-color photographs, hand-drawn illustrations, and custom maps that illuminate every page, DK Eyewitness Travel Guide: San Francisco and Northern California truly shows you this region as no one else can.

This two-volume set LNCS 9094 and LNCS 9095 constitutes the thoroughly refereed proceedings of the 13th International Work-Conference on Artificial Neural Networks, IWANN 2015, held in Palma de Mallorca, Spain, in June 2013. The 99 revised full papers presented together with 1 invited talk were carefully reviewed and selected from 195 submissions. The papers are organized in topical sections on brain-computer interfaces: applications and tele-services; multi-robot systems: applications and theory (MRSAT); video and image processing; transfer learning; structures, algorithms and methods in artificial intelligence; interactive and cognitive environments; mathematical and theoretical methods in fuzzy systems; pattern recognition; embedded intelligent systems; expert systems; advances in computational intelligence; and applications of computational intelligence.

Functional Pavement Design is a collections of 186 papers from 27 different countries, which were presented at the 4th Chinese-European Workshops (CEW) on Functional Pavement Design (Delft, the Netherlands, 29 June-1 July 2016). The focus of the CEW series is on field tests, laboratory test methods and advanced analysis techniques, and cover analysis, material development and production, experimental characterization, design and construction of pavements. The main areas covered by the book include: - Flexible pavements - Pavement and bitumen - Pavement performance and LCCA - Pavement structures - Pavements and environment - Pavements and innovation - Rigid pavements - Safety - Traffic engineering Functional Pavement Design is for contributing to the establishment of a new generation of pavement design methodologies in which rational mechanics principles, advanced constitutive models and advanced material characterization techniques shall constitute the backbone of the design process. The book will be much of interest to professionals and academics in pavement engineering and related disciplines.

This collection of original articles deals with two intertwined general questions: what is the visual sphere, and what are the means by which we can study it sociologically? These questions serve as the logic for dividing the book into two sections, the first ("Visualizing the Social, Sociologizing the Visual") focuses on the meanings of the visual sphere, and the second ("New Methodologies for Sociological Investigations of the Visual") explores various sociological research methods to getting a better understanding of the visual sphere. We approach the visual sphere sociologically because we regard it as one of the layers of the social world. It is where humans produce, use, and engage with the visual in their creation and interpretation of meanings. Under the two large inquiries into the "what" and the "how" of the sociology of the visual sphere, a subset of more focused questions is being posed: what social processes and hierarchies make up the visual sphere? How various domains of visual politics and visuality are being related (or being presented as such)? What are the relations between sites and sights in the visual research? What techniques help visual researcher to increase sensorial awareness of the research site? How do imaginaries of competing political agents interact in different global contexts and create unique, locally-specific visual spheres? What constitutes competing interpretations of visual signs? The dwelling on these questions brings here eleven scholars from eight countries to share their research experience from variety of contexts and sites, utilizing a range of sociological theories, from semiotics to post-structuralism.

The 24th European Symposium on Computer Aided Process Engineering creates an international forum where scientific and industrial contributions of computer-aided techniques are presented with applications in process modeling and simulation, process synthesis and design, operation, and process optimization. The organizers have broadened the boundaries of Process Systems Engineering by inviting contributions at different scales of modeling and demonstrating vertical and horizontal integration. Contributions range from applications at the molecular level to the strategic level of the supply chain and sustainable development. They cover major classical themes, at the same time exploring a new range of applications that address the production of renewable forms of energy, environmental footprints and sustainable use of resources and water.

Education at a Glance: OECD Indicators is the authoritative source for accurate and relevant information on the state of education around the world. It provides data on the structure, finances, and performance of education systems in more than 40 countries.

Life improves under the economic system often called "entrepreneurial capitalism" or "creative destruction," but more accurately called "innovative dynamism." Openness to Creative Destruction: Sustaining Innovative Dynamism shows how innovation occurs through the efforts of inventors and innovative entrepreneurs, how workers on balance benefit, and how good policies can encourage innovation. The inventors and innovative entrepreneurs are often cognitively diverse outsiders with the courage and perseverance to see and pursue serendipitous discoveries or slow hunches. Arthur M. Diamond, Jr. shows how economies grow where innovative dynamism through leapfrog competition flourishes, as in the United States from roughly 1830-1930. Consumers vote with their feet for innovative new goods and for process innovations that reduce prices, benefiting ordinary citizens more than the privileged elites. Diamond highlights that because breakthrough inventions are costly and difficult, patents can be fair rewards for invention and can provide funding to enable future inventions. He argues that some fears about adverse effects on labor market are unjustified, since more and better new jobs are created than are destroyed, and that other fears can be mitigated by better policies. The steady growth in regulations, often defended on the basis of the precautionary principle, increases the costs to potential entrepreneurs and thus reduces innovation. The "Great Fact" of economic history is that after at least 40,000 years of

mostly "poor, nasty, brutish, and short" humans in the last 250 years have started to live substantially longer and better lives. Diamond increases understanding of why.

This book tells the tale of the illustrious Royal Air Force career of Tom Clark, a World War Two gunner and post-war signaller in action during some of the most pivotal events of the twentieth century. Lovingly penned by his son, it provides an authentic insight into this dynamic period of world history.From work as an air gunner, involved in the daunting task of taking on the might of Hitler's U-boat fleet, to post-war involvement in an Intelligence capacity during the dramatic events surrounding Khrushchev and the atomic threat of the late 1950s, Clark's career was dramatic and varied to say the least. Having joined the RAF as an aircraft man just before the Second World War, Clark was destined to take part in a whole range of wartime operational engagements. His career featured involvement in the famous 1941 hunt for the elusive Bismarck, the dangers of life as part of an Air Sea Rescue squadron in conflicted waters, and the experience of training as a gunnery leader (later an instructor), training air gunners for the famed Desert Air Force. His career also took in a fraught period behind enemy lines, when his crew of four were shot down in enemy territory in Northern Italy. Seven weeks in a safe house in Florence are relayed in engaging and dramatic style, as are a raft of other personal and professional achievements, set within the context of the wider conflict. Here is a career that deserves to be recorded and celebrated, and there is perhaps no-one better placed than the subject's son to act as custodian to his thrilling story.

The United States faces major challenges in dealing with Iran, the threat of terrorism, and the tide of political instability in the Arabian Peninsula. The presence of some of the world's largest reserves of oil and natural gas, vital shipping lanes, and Shia populations throughout the region have made the peninsula the focal point of US and Iranian strategic competition.

This textbook gives an introduction to axiomatic set theory and examines the prominent questions that are relevant in current research in a manner that is accessible to students. Its main theme is the interplay of large cardinals, inner models, forcing and descriptive set theory. The following topics are covered: • Forcing and constructability • The Solovay-Shelah Theorem i.e. the equiconsistency of 'every set of reals is Lebesgue measurable' with one inaccessible cardinal • Fine structure theory and a modern approach to sharps • Jensen's Covering Lemma • The equivalence of analytic determinacy with sharps • The theory of extenders and iteration trees • A proof of projective determinacy from Woodin cardinals. Set Theory requires only a basic knowledge of mathematical logic and will be suitable for advanced students and researchers.

This book constitutes the refereed proceedings of the 5th International Conference on Augmented Cognition, AC 2013, held as part of the 15th International Conference on Human-Computer Interaction, HCII 2013, held in Las Vegas, USA in July 2013, jointly with 12 other thematically similar conferences. The total of 1666 papers and 303 posters presented at the HCII 2013 conferences was carefully reviewed and selected from 5210 submissions. These papers address the latest research and development efforts and highlight the human aspects of design and use of computing systems. The papers accepted for presentation thoroughly cover the entire field of human-computer interaction, addressing major advances in knowledge and effective use of computers in a variety of application areas. The total of 81 contributions was carefully reviewed and selected for inclusion in the AC proceedings. The papers are organized in the following topical sections: augmented cognition in training and education; team cognition; brain activity measurement; understanding and modeling cognition; cognitive load, stress and fatigue; applications of augmented cognition.

The Gulf Military BalanceThe Conventional and Asymmetric DimensionsRowman & Littlefield

This proceedings contains a selection of peer-reviewed papers presented at the IAG Scientific Assembly, Postdam, Germany, 1-6 September, 2013. The scientific sessions were focussed on the definition, implementation and scientific applications of reference frames; gravity field determination and applications; the observation and assessment of earth hazards. It presents a collection of the contributions on the applications of earth rotations dynamics, on observation systems and services as well as on imaging and positioning techniques and its applications.

This book constitutes the thoroughly refereed proceedings of the First International Symposium on Data-Driven Process Discovery and Analysis held in Campione d'Italia, Italy, in June/July 2011. The 11 revised full papers were carefully selected from 31 submissions. In addition to the thorough review process, the lively discussions at the event itself also helped the authors to improve their papers and to foster interesting extensions. The selected papers cover a wide range of topics spanning from theoretical issues related to process representation to practical experience in process discovery and analysis.

This book constitutes the thoroughly refereed post-workshop proceedings of the 24th International Workshop on Combinatorial Algorithms, IWOCA 2013, held in Rouen, France, in July 2013. The 33 revised full papers presented together with 10 short papers and 5 invited talks were carefully reviewed and selected from a total of 91 submissions. The papers are organized in topical sections on algorithms on graphs; algorithms on strings; discrete geometry and satisfiability.

This volume contains articles accepted for presentation during The Intelli gent Information Systems Symposium IIS'2001 which was held in Zakopane, Poland, on June 18-22, 200l. This is tenth, in the order, symposium orga nized by the Institute of Computer Science of Polish Academy of Sciences and devoted to new trends in (broadly understood) Artificial Intelligence. The idea of organizing such meetings dates back to 1992. Our main in tention guided the first, rather small-audience, workshop in the series was to resume the results gained in Polish scientific centers as well as contrast them with the esea r rch performed by Polish scientists working at the uni versities in Europe and USA. This idea proved to be attractive enough that we decided to continue such meetings. As the years went by, the workshops has transformed into regular symposia devoted to such fields like Machine Learning, Knowledge Discovery, Natural Language Processing, Knowledge Based Systems and Reasoning, and Soft Computing (i.e. Fuzzy and Rough Sets, Bayesian Networks, Neural Networks and Evolutionary Algorithms). At present, about 50 papers prepared by researches from Poland and other countries are usually presented. Besides, for several years now, the symposia are accompanied by a number of tutorials, given by the outstanding scientists in their domain.

This book explores the theory and practice of judicial jurisdiction within the field of private international law. It offers a revised look at values justifying the power of courts to hear and decide cross-border disputes, and demonstrates that a re-conceptualisation of jurisdiction is needed. Rather than deriving from territorial power of states, jurisdiction in civil and commercial cross-border matters ought to be driven by party autonomy. This autonomy can be limited by certain considerations of equality and critical state sovereign interests. The book applies this normative view to the existing rules of jurisdiction in the European Union and the Russian Federation. These regimes are chosen due to their unique positions towards values in private international law and contrasting societal norms that generate and accommodate these values. Notwithstanding disparate cultural and political ideas, these regimes reveal a surprising level of consistency when it comes to enforcement of party autonomy. There is, nevertheless, room for improvement. The book demonstrates to scholars, policy makers and lawmakers that jurisdiction should be re-centred around the interests of private actors, and proposes ways to improve the current rules.

This report focuses on the risks of climate change to development in Sub-Saharan Africa, South East Asia and South Asia. Building on the 2012 report, Turn Down the Heat: Why a 4°C Warmer World Must be Avoided, this new scientific analysis

examines the likely impacts of present day, 2°C and 4°C warming on agricultural production, water resources, and coastal vulnerability. It finds many significant climate and development impacts are already being felt in some regions, and that as warming increases from present day (0.8°C) to 2°C and 4°C, multiple threats of increasing extreme heat waves, sea-level rise, more severe storms, droughts and floods are expected to have further severe negative implications for the poorest and most vulnerable. The report finds that agricultural yields will be affected across the three regions, with repercussions for food security, economic growth, and poverty reduction. In addition, urban areas have been identified as new clusters of vulnerability with urban dwellers, particularly the urban poor, facing significant vulnerability to climate change. In Sub-Saharan Africa, under 3°C global warming, savannas are projected to decrease from their current levels to approximately one-seventh of total land area and threaten pastoral livelihoods. Under 4°C warming, total hyper-arid and arid areas are projected to expand by 10 percent. In South East Asia, under 2°C warming, heat extremes that are virtually absent today would cover nearly 60-70 percent of total land area in northern-hemisphere summer, adversely impacting ecosystems. Under 4°C warming, rural populations would face mounting pressures from sea-level rise, increased tropical cyclone intensity, storm surges, saltwater intrusions, and loss of marine ecosystem services. In South Asia, the potential sudden onset of disturbances to the monsoon system and rising peak temperatures would put water and food resources at severe risk. Well before 2°C warming occurs, substantial reductions in the frequency of low snow years is projected to cause substantial reductions in dry season flow, threatening agriculture. Many of the worst climate impacts could still be avoided by holding warming below 2°C, but the window for action is closing rapidly. Urgent action is also needed to build resilience to a rapidly warming world that will pose significant risks to agriculture, water resources, coastal infrastructure, and human health.

This volume contains the current research in quantum probability, infinite dimensional analysis and related topics. Contributions by experts in these fields highlight the latest developments and interdisciplinary connections with classical probability, stochastic analysis, white noise analysis, functional analysis and quantum information theory. This diversity shows how research in quantum probability and infinite dimensional analysis is very active and strongly involved in the modern mathematical developments and applications. Tools and techniques presented here will be of great value to researchers.

Lawyer's Desk Book is an extraordinary guide that youcan't afford to be without. Used by over 150,000 attorneys and legalprofessionals, this must-have reference supplies you with instant,authoritative legal answers, without exorbitant research fees. Packed withcurrent, critical information, Lawyer's Desk Book includes:Practical guidance on virtually any legal matter you might encounter:real estate transactions, trusts, divorce law, securities, mergers andacquisitions, computer law, tax planning, credit and collections,employer-employee relations, personal injury, and more - over 75 key legalareas in all!Quick answers to your legal questions, without having to search stacksof material, or wade through pages of verbiage.Key citations of crucial court cases, rulings, references, codesections, and more.More than 1500 pages of concise, practical, insightful information . Nofluff, no filler. Just the facts you need to know.The Lawyer's Desk Book, 2013 Edition incorporates recent courtdecisions, legislation, and administrative rulings. Federal statutes andrevised sentencing guides covered in this edition reflect a growing interestin preventing terrorism, punishing terror-related crimes, and promotinggreater uniformity of sentencing. There is also new material on intellectualproperty law, on legislation stemming from corporate scandals, such as theSarbanes- Oxley Act, and on legislation to cut individual and corporatetax rates, such as the Jobs and Growth Tax Relief Reconciliation Act .Chapters are in sections on areas including business planning and litigation,contract and property law, and law office issues.

In the Indian outsourcing industry, employees are expected to be "dead ringers" for the more expensive American workers they have replaced--complete with Westernized names, accents, habits, and lifestyles that are organized around a foreign culture in a distant time zone. Dead Ringers chronicles the rise of a workforce for whom mimicry is a job requirement and a passion. In the process, the book deftly explores the complications of hybrid lives and presents a vivid portrait of a workplace where globalization carries as many downsides as advantages. Shehzad Nadeem writes that the relatively high wages in the outsourcing sector have empowered a class of cultural emulators. These young Indians indulge in American-style shopping binges at glittering malls, party at upscale nightclubs, and arrange romantic trysts at exurban cafés. But while the high-tech outsourcing industry is a matter of considerable pride for India, global corporations view the industry as a low-cost, often low-skill sector. Workers use the digital tools of the information economy not to complete technologically innovative tasks but to perform grunt work and rote customer service. Long hours and the graveyard shift lead to health problems and social estrangement. Surveillance is tight, management is overweening, and workers are caught in a cycle of hope and disappointment. Through lively ethnographic detail and subtle analysis of interviews with workers, managers, and employers, Nadeem demonstrates the culturally transformative power of globalization and its effects on the lives of the individuals at its edges.

This volume contains the papers presented at IALCCE2016, the fifth International Symposium on Life-Cycle Civil Engineering (IALCCE2016), to be held in Delft, The Netherlands, October 16-19, 2016. It consists of a book of extended abstracts and a DVD with full papers including the Fazlur R. Khan lecture, keynote lectures, and technical papers from all over the world. All major aspects of life-cycle engineering are addressed, with special focus on structural damage processes, life-cycle design, inspection, monitoring, assessment, maintenance and rehabilitation, life-cycle cost of structures and infrastructures, life-cycle performance of special structures, and life-cycle oriented computational tools. The aim of the editors is to provide a valuable source for anyone interested in life-cycle of civil infrastructure systems, including students, researchers and practitioners from all areas of engineering and industry.

This book constitutes the thoroughly refereed proceedings of the 39th International Workshop on Graph Theoretic Concepts in Computer Science, WG 2013, held in Lübeck, Germany, in June 2013. The 34 revised full papers presented were carefully reviewed and selected from 61 submissions. The book also includes two abstracts. The papers cover a wide range of topics in graph theory related to computer science, such as structural graph theory with algorithmic or complexity applications; design and analysis of sequential, parallel, randomized, parameterized and distributed graph and network algorithms; computational complexity of graph and network problems; computational geometry; graph grammars, graph rewriting systems and graph modeling; graph drawing and layouts; random graphs and models of the web and scale-free networks; and support of these concepts by suitable implementations and applications.