

Reinforcement In Tailor Made Concrete Structures

Tailor Made Concrete Structures New Solutions for our Society (Abstracts Book 314 pages + CD-ROM full papers 1196 pages) CRC Press

This book is a printed edition of the Special Issue "Recent Advances in Smart Materials for the Built Environment" that was published in Materials

This Proceedings contains the papers of the fib Symposium "CONCRETE Innovations in Materials, Design and Structures", which was held in May 2019 in Kraków, Poland. This annual symposium was co-organised by the Cracow University of Technology. The topics covered include Analysis and Design, Sustainability, Durability, Structures, Materials, and Prefabrication. The fib, Fédération internationale du béton, is a not-for-profit association formed by 45 national member groups and approximately 1000 corporate and individual members. The fib's mission is to develop at an international level the study of scientific and practical matters capable of advancing the technical, economic, aesthetic and environmental performance of concrete construction. The fib, was formed in 1998 by the merger of the Euro-International Committee for Concrete (the CEB) and the International Federation for Prestressing (the FIP). These predecessor organizations existed independently since 1953 and 1952, respectively.

The official 2020 publication of the Soil-Structure Interaction Group in Egypt (SSIGE)

Proceedings of the 9th International Conference on Fracture, Fatigue and Wear

Bridge Safety, Maintenance, Management, Life-Cycle, Resilience and Sustainability

Issues in Structural and Materials Engineering: 2013 Edition

CONCRETE Innovations in Materials, Design and Structures

Construction, Properties and Applications

Proceedings of the 7th International Conference on Structural Engineering, Mechanics and Computation (SEMC 2019), September 2-4, 2019, Cape Town, South Africa

Textile Fibre Composites in Civil Engineering provides a state-of-the-art review from leading experts on recent developments, the use of textile fiber composites in civil engineering, and a focus on both new and existing structures. Textile-based composites are new materials for civil engineers. Recent developments have demonstrated their potential in the prefabrication of concrete structures and as a tool for both strengthening and seismic retrofitting of existing concrete and masonry structures, including those of a historical value. The book reviews materials, production technologies, fundamental properties, testing, design aspects, applications, and directions for future research and developments. Following the opening introductory chapter, Part One covers materials, production technologies, and the manufacturing of textile fiber composites for structural and civil engineering. Part Two moves on to review testing, mechanical behavior, and durability aspects of textile fiber composites used in structural and civil engineering.

Chapters here cover topics such as the durability of structural elements and bond aspects in textile fiber composites. Part Three analyzes the structural behavior and design of textile reinforced concrete. This section includes a number of case studies providing thorough coverage of the topic. The final section of the volume details the strengthening and seismic retrofitting of existing structures. Chapters investigate concrete and masonry structures, in addition to providing information and insights on future directions in the field. The book is a key volume for researchers, academics, practitioners, and students working in civil and structural engineering and those working with advanced construction materials. Details the range of materials and production technologies used in textile fiber composites Analyzes the durability of textile fiber composites, including case studies into the structural behavior of textile reinforced concrete Reviews the processes involved in strengthening existing concrete structures

Digital fabrication has been termed the "third industrial revolution", and is promising to revolutionize many disciplines, including most recently the construction sector. Both academia and industry see immense promise in cementitious materials, which lend themselves well to additive manufacturing techniques for digital fabrication in construction. With this recent trend and high interest in this new research field, the 1st RILEM International Conference on Concrete and Digital Fabrication (Digital Concrete 2018) was organized. Since 2014, ETH Zurich has been host for the Swiss National Centre for Competence in Research (NCCR) for Digital Fabrication in Architecture, which is highly interdisciplinary and unique worldwide. In 2018, this NCCR opened the "DFAB House", which incorporates many digital fabrication principles for architecture. It is also responsible for the 600 m² Robotic Fabrication Lab and the first robotically built roof in the world. Held in tandem with Rob|Arch 2018, the leading conference for robotics in architecture, RILEM deemed it the right time to combine forces at this new conference, which will be the first large conference to feature the work of the recently created RILEM Technical Committee on Digital Fabrication with Cement-based Materials, among other leaders in this new field worldwide. This conference proceedings brings together papers that take into account the findings in this new area. Papers reflect the varying themes of the conference, including Materials, Processing, Structure, and Applications.

Advances in Engineering Materials, Structures and Systems: Innovations, Mechanics and Applications comprises 411 papers that were presented at SEMC 2019, the Seventh International Conference on Structural Engineering, Mechanics and Computation, held in Cape Town, South Africa, from 2 to 4 September 2019. The subject matter reflects the broad scope of SEMC conferences, and covers a wide variety of engineering materials (both traditional and innovative) and many types of structures. The many topics featured in these Proceedings can be classified into six broad categories that deal with: (i) the mechanics of materials and fluids (elasticity, plasticity, flow through porous media, fluid dynamics, fracture, fatigue, damage, delamination, corrosion, bond, creep, shrinkage, etc); (ii) the mechanics of structures and systems (structural dynamics, vibration, seismic response, soil-structure interaction, fluid-structure interaction, response to blast and impact, response to fire, structural stability, buckling, collapse behaviour); (iii) the numerical modelling and experimental testing of materials and structures (numerical methods, simulation techniques, multi-scale modelling, computational modelling, laboratory testing, field testing, experimental measurements); (iv) innovations and special structures (nanostructures, adaptive structures, smart structures, composite structures, bio-inspired structures, shell structures, membranes, space structures, lightweight structures, long-span structures, tall buildings, wind turbines, etc); (v) design in traditional engineering materials (steel, concrete, steel-concrete composite, aluminium, masonry, timber, glass); (vi) the process of structural engineering (conceptualisation, planning, analysis, design, optimization, construction, assembly, manufacture, testing, maintenance, monitoring, assessment, repair,

strengthening, retrofitting, decommissioning). The SEMC 2019 Proceedings will be of interest to civil, structural, mechanical, marine and aerospace engineers. Researchers, developers, practitioners and academics in these disciplines will find them useful. Two versions of the papers are available. Short versions, intended to be concise but self-contained summaries of the full papers, are in this printed book. The full versions of the papers are in the e-book.

Advanced Structural Sensing and Monitoring Systems

Sustainable Issues in Infrastructure Engineering

Durability of Reinforced Concrete from Composition to Protection

Selected Papers of the 6th International RILEM PhD Workshop held in Delft, The Netherlands, July 4-5, 2013

First RILEM International Conference on Concrete and Digital Fabrication – Digital Concrete 2018

Tailor Made Concrete Structures

This comprehensive handbook on submarine pipeline systems covers a broad spectrum of topics from planning and site investigations, procurement and design, to installation and commissioning. It considers guidelines for the choice of design parameters, calculation methods and construction procedures. It is based on limit state design with partial safety coefficients.

fib Model Code 2010 represents the state-of-the-art of code-type models for structural behaviour of concrete. It comprises constitutive relations and material models together with the most important explanatory notes. However the underlying normative work, i.e. the fundamental data as well as the considerations and discussions behind the formulas could not be given within the Model Code text. Based on various experiences gained after the publication of Model Code 1990 this lacking background information will lead in the following to numerous questions arising from Model Code users. Consequently the present bulletin claims to conquer this general weakness of codes in a way to guard against any future misunderstandings of the Model Code 2010 related to its chapter 5.1 (Concrete). It discusses the given formulas in connection with experimental data and the most important international literature. The constitutive relations or material models, being included in MC1990 and forming the basis and point of origin of the Task Group's work, were critically evaluated, if necessary and possible adjusted, or replaced by completely new approaches. Major criteria have been the physical and thermodynamical soundness as well as practical considerations like simplicity and operationality. This state-of-the-art report is intended for practicing engineers as well as for researchers and represents a comprehensible summary of the relevant knowledge available to the members of the fib Task Group 8.7 at the time of its drafting. Besides the fact that the bulletin is a background document for Chapter 5.1 of MC2010, it will provide an important foundation for the development of future generations of code-type models related to the characteristics and the behaviour of structural concrete. Further it will offer insights into the complexity of the normative work related to concrete modelling, leading to a better understanding and adequate appreciation of MC2010.

Maintenance, Safety, Risk, Management and Life-Cycle Performance of Bridges contains lectures and papers presented at the Ninth International Conference on Bridge Maintenance, Safety and Management (IABMAS 2018), held in Melbourne, Australia, 9-13 July 2018. This volume consists of a book of extended abstracts and a USB card containing the full papers of 393 contributions presented at IABMAS 2018, including the T.Y. Lin Lecture, 10 Keynote Lectures, and 382 technical papers from 40 countries. The contributions presented at IABMAS 2018 deal with the state of the art as well as emerging concepts and innovative applications related to the main aspects of bridge maintenance, safety, risk, management and life-cycle performance. Major topics include: new design methods, bridge codes, heavy vehicle and load models, bridge management systems, prediction of future traffic models, service life prediction, residual service life, sustainability and life-cycle assessments, maintenance strategies, bridge diagnostics, health monitoring, non-destructive testing, field testing, safety and serviceability, assessment and evaluation, damage identification, deterioration modelling, repair and retrofitting strategies, bridge reliability, fatigue and corrosion, extreme loads, advanced experimental simulations, and advanced computer simulations, among others. This volume provides both an up-to-date overview of the field of bridge engineering and significant contributions to the process of more rational decision-making on bridge maintenance, safety, risk, management and life-cycle performance of bridges for the purpose of enhancing the welfare of society. The Editors hope that these Proceedings will serve as a valuable reference to all concerned with bridge structure and infrastructure systems,

including students, researchers and engineers from all areas of bridge engineering.

Textile-Based Advanced Materials

Proceedings of the 9th fib International PhD Symposium in Civil Engineering : Karlsruhe Institute of Technology (KIT), 22 - 25

July 2012, Karlsruhe, Germany

HPFRCC 6

Fiber Reinforced Concrete

Prevention, Diagnosis, Repair

New Trends in Recycled Aggregate Concrete

Cementitious Materials and Reinforced Concrete Properties, Behavior and Corrosion Resistance

High Performance Fiber Reinforced Cement Composites (HPFRCC) represent a class of cement composites whose stress-strain response in tension undergoes strain hardening behaviour accompanied by multiple cracking, leading to a high strain prior to failure. The primary objective of this International Workshop was to provide a compendium of up-to-date information on the most recent developments and research advances in the field of High Performance Fiber Reinforced Cement Composites. Approximately 65 contributions from leading world experts are assembled in these proceedings and provide an authoritative perspective on the subject. Special topics include fresh and hardening state properties; self-compacting mixtures; mechanical behavior under compressive, tensile, and shear loading; structural applications; impact, earthquake and fire resistance; durability issues; ultra-high performance fiber reinforced concrete; and textile reinforced concrete. Target readers: graduate students, researchers, fiber producers, design engineers, material scientists.

This book presents key advances in the modeling of reinforcement corrosion and concrete durability. It also examines various further aspects of reinforcement corrosion and concrete durability, striking a balance between modeling and testing. Particular attention is paid to innovative treatments for avoiding deterioration, and to methods for modeling performance in a real environment. Some basic aspects related to non-destructive testing techniques are also discussed. Deterioration-related topics addressed in the book include the basis for modeling alkali-silica reactions, chloride diffusion and the development of concrete microstructure; measurement-related topics include cathodic protection, polarization resistance and resistivity. A combined approach using the AFM technique and polarization measurements is examined, and the relation between cracking and corrosion and the treatment of concrete with hydrophobes or innovative products such as hydrotalcite is also discussed.

Developments in the science and technology of textiles are not only limited to apparel and fashion. Certainly, there are research efforts aimed at improving the construction and processing of textiles for clothing—such as studies on cleaner production to reduce environmental impact, increasing the utilization of fibers and process chemicals from renewable resources, and on the recycling of materials from post-consumer waste apparel back into the manufacturing of new clothing articles. In addition, technological concepts developed for the creation of clothing over the centuries are now being investigated for use in a diverse array of fields—such as in the manufacture of engineering composites, personal protective equipment, and medicine. Further, developments in other fields—such as electronics, nanotechnology, and information and communication technologies—are being investigated for their incorporation into apparel and clothing to create “smart textiles”. The aim of this Special Issue is to put together a collection of scientific reports on such efforts to highlight the range of scientific and technological issues that are being targeted and the ingenuity of the methodologies employed to find answers. It is hoped that readers of this issue will come away with an appreciation of the research being conducted in this area, and perhaps gain inspiration for their own scientific endeavors.

Fabricate

Rethinking Design and Construction

Ultra-High Performance Concrete and Nanotechnology in Construction. Proceedings of Hipermat 2012. 3rd International Symposium on UHPC and

Nanotechnology for High Performance Construction Materials

New Solutions for our Society (Abstracts Book 314 pages + CD-ROM full papers 1196 pages)

FFW 2021, August 2-3, Ghent University, Belgium

Code-type models for concrete behaviour

Report No. FHWA-RD.

There is no substitute for concrete that can be used on the same engineering scale. Its sustainability, exploitation and further development are necessary

for a healthy economy and environment worldwide. Concrete must keep evolving to satisfy the increasing demands of all its users.

Bringing together pioneers in design and making within architecture, construction, engineering, manufacturing, materials technology and computation, Fabricate is a triennial international conference, now in its third year (ICD, University of Stuttgart, April 2017). The 2017 edition features 32 illustrated articles on built projects and works in progress from academia and practice, including contributions from leading practices such as Foster + Partners, Zaha Hadid Architects, Arup, and Ron Arad, and from world-renowned institutions including ICD Stuttgart, Harvard, Yale, MIT, Princeton University, The Bartlett School of Architecture (UCL) and the Architectural Association. Each year it produces a supporting publication, to date the only one of its kind specialising in Digital Fabrication.

Bridge Safety, Maintenance, Management, Life-Cycle, Resilience and Sustainability contains lectures and papers presented at the Eleventh International Conference on Bridge Maintenance, Safety and Management (IABMAS 2022, Barcelona, Spain, 11-15 July, 2022). This e-book contains the full papers of 322 contributions presented at IABMAS 2022, including the T.Y. Lin Lecture, 4 Keynote Lectures, and 317 technical papers from 36 countries all around the world. The contributions deal with the state-of-the-art as well as emerging concepts and innovative applications related to the main aspects of safety, maintenance, management, life-cycle, resilience, sustainability and technological innovations of bridges. Major topics include: advanced bridge design, construction and maintenance approaches, safety, reliability and risk evaluation, life-cycle management, life-cycle, resilience, sustainability, standardization, analytical models, bridge management systems, service life prediction, structural health monitoring, non-destructive testing and field testing, robustness and redundancy, durability enhancement, repair and rehabilitation, fatigue and corrosion, extreme loads, needs of bridge owners, whole life costing and investment for the future, financial planning and application of information and computer technology, big data analysis and artificial intelligence for bridges, among others. This volume provides both an up-to-date overview of the field of bridge engineering and significant contributions to the process of making more rational decisions on bridge safety, maintenance, management, life-cycle, resilience and sustainability of bridges for the purpose of enhancing the welfare of society. The volume serves as a valuable reference to all concerned with and/or involved in bridge structure and infrastructure systems, including students, researchers and practitioners from all areas of bridge engineering.

3rd fib Congress Washington USA

PRO 39: 6th International RILEM Symposium on Fibre-Reinforced Concretes (FRC) - BEFIB 2004 (Volume 1)

Present and Future

Design and Installation of Marine Pipelines

Fibre Reinforced Concrete: Improvements and Innovations II

Innovations and Developments in Concrete Materials and Construction

Proceedings of HiPerMat 2016 4th International Symposium on Ultra-High Performance Concrete and High Performance Materials Kassel, March 9-11, 2016

This book includes a collection of research and practical papers from international research and technology activities on recent developments in infrastructure engineering. Sustainability is increasingly a key priority in engineering practices. With the aging transportation infrastructure and renewed emphasis on infrastructure renovation by transportation agencies, innovations are urgently needed to develop materials, designs, and practices to ensure the sustainability of transportation infrastructure.

In recent years knowledge of concrete and concrete structures has increased, as has its applications. New types of concrete challenged scientists and engineers, and ecological constraints encouraged the implementation of life cycle design of concrete structures, moving the focus more and more to maintenance and uprating of structures. And since buildings are not only designed for safety and serviceability, but also for flexibility and adaptability, the design of performance based materials and structures has become more and more important. Tailor Made Concrete Structures. New Solutions for our Society comprises the proceedings of the International fib Symposium 2008 (Amsterdam, 19-22 May 2008), and considers these new perspectives and developments, including sections on new materials (i.e. fire resisting concrete, ultra-high performance fibered concrete, textile reinforced concrete, bacteria-based self healing concrete) and codes for the future (i.e. the American P2P Initiative, fibre-reinforced polymer (FRP) applications in construction, Codes for SFRC Structures). The book includes contributions from leading scientists and professionals in concrete and concrete structures worldwide, and covers: - Life cycle design - Design strategies for the future - Underground structures - Monitoring and Inspection - Diagnosis - Innovative materials - Codes for the future - Modifying and adapting structures - Architectural Concrete - Developing a modern infrastructure - Designing structures against extreme loads - Increasing the speed of construction Tailor Made Concrete Structures. New Solutions for our Society includes the state-of-the-art in

research on concrete and concrete structures, and will be invaluable to professionals, structural engineers and scientists.

This book is the result of a Special Issue published in Applied Sciences, entitled "New Trends in Recycled Aggregate Concrete". It identifies emerging research areas within the field of recycled aggregate concrete and contributes to the increased use of this eco-efficient material. Its contents are organised in the following sections: Upscaling the use of recycled aggregate concrete in structural design; Large scale applications of recycled aggregate concrete; Long-term behaviour of recycled aggregate concrete; Performance of recycled aggregate concrete in very aggressive environments; Reliability of recycled aggregate concrete structures; Life cycle assessment of recycled aggregate concrete; New applications of recycled aggregate concrete.

Proceedings of the International RILEM workshop

Revision of PIANC Report by PTC II (MARCOM) WG 17, 1990

Textile Fibre Composites in Civil Engineering

Ultra-High Performance Concrete and High Performance Construction Materials

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High Performance Fiber Reinforced Cement Composites 6

Inspection, Maintenance and Repair of Maritime Structures Exposed to Damage and Material Degradation Caused by a Salt Water Environment

This book outlines a methodology for producing macro recycled polypropylene (PP) fibres with optimal mechanical properties and illustrates the reinforcing effects of recycled PP fibres in concrete. It describes the great potential of using these fibres in concrete applications such as footpaths and precast elements. Further, it sheds new light on the environmental impacts of using recycled PP fibres, which are evaluated by means of cradle to gate life cycle assessment based on the Australian context. The use of recycled PP fibre not only helps reduce consumption of virgin materials like steel or plastic but also provides an attractive avenue for recycling plastic waste. The book will appeal to engineers, governments, and solid waste planners, and offers a valuable reference for the plastic waste recycling and plastic fibre reinforced concrete industries. /div

The Rise of Smart Cities: Advanced Structural Sensing and Monitoring Systems provides engineers and researchers with a guide to the latest breakthroughs in the deployment of smart sensing and monitoring technologies. The book introduces readers to the latest innovations in the area of smart infrastructure-enabling technologies and how they can be integrated into the planning and design of smart cities. With this book in hand, readers will find a valuable reference in terms of civil infrastructure health monitoring, advanced sensor network architectures, smart sensing materials, multifunctional material and structures, crowdsourced/social sensing, remote sensing and aerial sensing, and advanced computation in sensor networks. Reviews the latest development in smart structural health monitoring (SHM) systems Introduces all major algorithms, with a focus on practical implementation Includes real-world applications and case studies Opens up a new horizon for robust structural sensing methods and their applications in smart cities

Steel-reinforced concrete is used ubiquitously as a building material due to its unique combination of the high compressive strength of concrete and the high tensile strength of steel. Therefore, reinforced concrete is an ideal composite material that is used for a wide range of applications in structural engineering such as buildings, bridges, tunnels, harbor quays, foundations, tanks and pipes. To ensure durability of these structures, however, measures must be taken to prevent, diagnose and, if necessary, repair damage to the material especially due to corrosion of the steel reinforcement. The book examines the different aspects of corrosion of steel in concrete, starting from basic and essential mechanisms of the phenomenon, moving up to practical consequences for designers, contractors and owners both for new and existing reinforced and prestressed concrete structures. It covers general aspects of corrosion and protection of reinforcement, forms of attack in the presence of carbonation and chlorides, problems of hydrogen embrittlement as well as techniques of diagnosis, monitoring and repair. This second edition updates the contents with recent findings on the different topics considered and bibliographic references, with particular attention to recent European standards. This book is a self-contained treatment for civil and construction engineers, material scientists, advanced students and architects concerned with the design and maintenance of reinforced concrete structures. Readers will benefit from the knowledge, tools, and methods needed to understand corrosion in reinforced concrete and how to prevent it or keep it within acceptable limits.

Concrete and Constructional Engineering

Proceedings of the International Conference Held at the University of Dundee, Scotland, UK on 9-11 September 2002

The Rise of Smart Cities

Design, Production and Placement of Self-Consolidating Concrete

Proceedings of the Eleventh International Conference on Bridge Maintenance, Safety and Management (IABMAS 2022), Barcelona, Spain, July 11-15, 2022

Concrete Durability

Proceedings of the fib Symposium 2019 held in Kraków, Poland 27-29 May 2019

Dear Colleagues, We are pleased to organize the Sixth International RILEM Symposium on SCC and the Fourth North-American Conference on the Design and Use of SCC, held on Sept 26-29, 2010 in Montreal, Quebec, Canada. The RILEM series of symposia started in 1999 in Stockholm, followed by Tokyo in 2001, Reykjavik in 2003, Chicago in 2005, and Ghent in 2007 with a steadily increasing number of papers, participants, and interest from across the globe. Due to the growing success of SCC, regional conferences have been organized, such as the North-American Conference on the Design and Use of SCC held in Chicago in 2002, 2005, and 2008; the International Symposium on Design, Performance and Use of SCC held in Changsa, China in 2005 and in Beijing, China in 2009; as well as the 2 International Conference on Advances in Concrete Technology in the Middle East: SCC held in Abu Dhabi in 2009. It can be concluded that these regional Conferences and Symposia were highly successful and reached a far more international audience than anticipated. Nearly 100 papers were submitted for these proceedings from which the International Scientific Committee selected 37 contributions covering a wide range of timely and original subjects from around the world. We would like to acknowledge the input of the International Scientific Committee for providing critical input to guarantee high quality of these peer-reviewed proceedings. We invite you to explore a wealth of information in the electronic proceedings.

This book describes the newest developments in the creation of concrete using smart additives and supplementary cementitious materials as well as methods, technology and novel admixtures to monitor, evaluate and control steel corrosion in reinforced concrete. Industry experts and research specialists explain the structural, physical, and chemical properties of various types of concrete and its applications. They detail the characteristics preferred for manufacturing specific types of concrete. The book chapters also focus on the electrochemical state of the steel reinforcement in view of steel corrosion and corrosion control.

This volume highlights the latest advances, innovations, and applications in the field of fibre-reinforced concrete (FRC), as presented by scientists and engineers at the RILEM-fib X International Symposium on Fibre Reinforced Concrete (BEFIB), held in Valencia, Spain, on September 20-22, 2021. It discusses a diverse range of topics concerning FRC: technological aspects, nanotechnologies related with FRC, mechanical properties, long-term properties, analytical and numerical models, structural design, codes and standards, quality control, case studies, Textile-Reinforced Concrete, Geopolymers and UHPFRC. After the symposium postponement in 2020, this new volume concludes the publication of the research works and knowledge of FRC in the frame of BEFIB from 2020 to 2021 with the successful celebration of the hybrid symposium BEFIB 2021. The contributions present traditional and new ideas that will open novel research directions and foster multidisciplinary collaboration between different specialists.

Advances in Engineering Materials, Structures and Systems: Innovations, Mechanics and Applications

Proceedings of the Ninth International Conference on Bridge Maintenance, Safety and Management (IABMAS 2018), 9-13 July 2018, Melbourne, Australia

Concrete Technology: New Trends, Industrial Applications

4th fib Congress in Mumbai India

Proceedings fib Symposium in Amsterdam Netherlands

Selected Bibliography on Fiber-reinforced Cement and Concrete

Maintenance, Safety, Risk, Management and Life-Cycle Performance of Bridges

This book forms the Proceedings of an RILEM workshop in Barcelona in November 1994. It is structured as a series of presentations/reviews by some of the leading international researchers and technical experts of the concrete world. Coverage ranges from developments in materials science, through performance and behaviour of concrete, to manufacturing and construction.

Issues in Structural and Materials Engineering: 2013 Edition is a ScholarlyEditions™ book that delivers timely, authoritative, and comprehensive information about Computer Engineering. The editors have built Issues in Structural and Materials Engineering: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Computer Engineering in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Structural and Materials Engineering: 2013 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Proceedings of SCC2010, Montreal, Canada, September 26-29, 2010

12th PhD Symposium in Prague Czech Rep

State-of-the-art Report

Development of Recycled Polypropylene Plastic Fibres to Reinforce Concrete

X RILEM-fib International Symposium on Fibre Reinforced Concrete (BEFIB) 2021

Corrosion of Steel in Concrete

