

Shell Architecture

Raw Vision
DITA for Practitioners Volume 1
Software Architecture in Practice
Soft Nanoparticles for Biomedical Applications
The Mereon Matrix
Cell Surface Engineering
Shell Architecture
Shell Architecture. By J. Joedicke, with Contributions by Walter Bauersfeld and Herbert Kupfer. [With Illustrations.].
The Development of Shell Architecture in the United States, 1932-1962
An Introduction to Shell Structures
Candela Isler Müther
Shell Structures
Papers
Shell Stability Handbook
Shells and Architecture
Bulletin
Transparent Shells
Shell Structures in Civil and Mechanical Engineering
International Symposium on shell structures
Shell Structures
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Symposium on problems of interdependence of design and construction of large-span shells for industrial and civic buildings
Hans Schober
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International association for Shell structures
Mitchell Gohnert

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dita expert eliot kimber takes you inside the dita xml standard explaining the architecture and technology that make dita unique volume 1 of his two volume exploration of dita starts with a

hands on explanation of end to end dita processing that will get you up and running fast then he explores the dita architecture explaining maps and topics structural patterns metadata linking and addressing keys and key references relationship tables conditional processing reuse and more dita for practitioners volume 1 architecture and technology is for engineers tool builders and content strategists anyone who designs implements or supports dita based systems and needs a deeper understanding of dita technology kimber s unique perspective unwraps the puzzle that is dita explaining the rationale for its design and structure and giving you an unvarnished detailed look inside this important technology

this is the eagerly anticipated revision to one of the seminal books in the field of software architecture which clearly defines and explains the topic

nanoparticles are attractive for many biomedical applications such as imaging therapeutics and diagnostics this new book looks at different soft nanoparticles and their current and potential uses in medicine and health including magnetoliposomes micro nanogels polymeric micelles dna particles dendrimers and bicelles each chapter provides a description of the synthesis of the particles and focus on the techniques used to characterize the size shape surface charge internal structure and surface microstructure of the nanoparticles together with modeling and simulation methods by giving a strong physical chemical approach to the topic readers will gain a good background into the subject and an overview of recent developments the multidisciplinary point of view makes the book suitable for postgraduate students and researchers in physics chemistry and biology interested in soft matter and its uses

mereon is an approach to the unification of knowledge that relies on whole systems modelling it is a scientific framework that charts the sequential emergent growth process of systems a dynamic structure mereon provides insight and a new approach to general systems theory and non linear science mereon evolved through a new approach to polyhedral geometry and topology that is related to the dynamics of the polyhedra it is related to a large number of systems physical mathematical and philosophical in linking these systems mereon provides access to new relationships among them and combines geometric and process thinking this book provides the fundamentals of such connections for an ongoing search for order directionality and diversity that is found in this unity it is written in clear language that manages to connect diverse disciplines and in doing so makes a complex system easily accessible and understandable it will be of interest to mathematicians geneticists and all those interested in researching unity in science and astrobiology elaborates on several important aspects of general systems theory including nonlinearity each chapter is self contained and explained relative to mereon providing references to scientific findings that are congruent with

or expanded by mereon offers a new way of modelling that can be applied across the sciences

cell surface engineering is an emerging field concerning cell surface modifications to enhance its functionalities the book introduces the reader to the area of surface functionalized cells and summarizes recent developments in the area including fabrication characterization applications and nanotoxicity topics covered include recent approaches for the functionalization of cells with nanomaterials polymer nanofilms and nanoparticles fabrication of functional biomimetic devices and assemblies based on nanoparticle modified microbial cells and artificial spores the bioinspired encapsulation of living cells with tough nanoshells the book provides an interdisciplinary approach to the topic with authors from both biological and chemical backgrounds this multidisciplinary view makes the book suitable for those interested in biomaterials biochemistry microbiology and colloid chemistry providing both an introduction for postgraduate students as well as a comprehensive summary for those already working in the area biomaterials biochemistry microbiology and colloid chemistry

the masters of concrete shells concrete shell construction started to become popular in the mid 20th century technically advanced designs with conspicuous expressiveness began to appear all over the world with three typical protagonists félix candela 1910 1997 heinz isler 1926 2009 and ulrich müther 1934 2007 the book examines this construction method their work primarily in mexico switzerland and the former gdr was carried out under very different political economic social and cultural conditions the authors analyze the buildings and projects against the background of developments in architecture and engineering at that time the focus is on mutual influence shared aspects and differences in the design processes the structural design and the execution in addition the book examines how the work was received and today s application of the building method learning from félix candela heinz isler and ulrich müther and their historic shell construction buildings unknown material from the drawing archives in english with summaries in german and spanish

this book provides engineering tools for the design of shells against buckling a simplified approach is given in a number of cases which are not addressed in current design codes

this book describes the design detailing and structural engineering of filigree double curved and long span glazed shells of minimal weights and ingenious details

this authoritative text concentrates on the derivation of simple but reasonably accurate mathematical solutions and the actual presentation of closed form results for quantities that are of interest to the designer of shell structures

this text provides a complete and thorough derivation of the mathematical theory of shell structures many books on shells only give the key equations or snippets of theory skipping all of the mathematical steps required to solve for the key equations this is understandable because of the mathematical complexity of shell structures thus the reader must just accept the design equations blindly without achieving a complete understanding of shell theory this book therefore fills this gap by providing a complete picture of shell theory class tested over three university post graduate courses and one public course on shell structures the book is mathematically intensive but it written in an accessible style ideal for students of engineering mechanics in civil and mechanical engineers concentrations as well as practicing structural engineers looking for a reference on shells

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