Korean Building Code

OECD Economic Surveys: Korea 2022
ECPPM 2022 - eWork and eBusiness in Architecture, Engineering and Construction 2022
PV System Design and Performance
eWork and eBusiness in Architecture, Engineering and Construction
Buildings and Structures under Extreme Loads
Advanced Materials and Processes II
Agriculture, Rural Development, Food and Drug Administration, and Related Agencies Appropriations for 1996: Agricultural programs, Farm Credit Administration
Narratives of Nation Building in Korea
Computational Studies on Cultural Variation and Heredity
Recent Trends in Civil Engineering
4th International Conference on Performance-Based Codes and Fire Safety Design Methods
Agriculture, Rural Development, and Related Agencies Appropriations for Fiscal Year 2007
Structural Analysis of Historical Constructions: Anamnesis, Diagnosis, Therapy, Controls
Response Control and Seismic Isolation of Buildings
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Expanding the Korean Market for Residential Wood-frame Construction
Advances in Cement-Based Materials
The South Korean Wood Products Market
Advanced Methods for Seismic Performance Evaluation of Building Structures
Architecture in Development
Architecture and Urbanism in Modern Korea
Resilience and Sustainability of Civil Infrastructures under Extreme Loads
Construction Review
Law and Custom in Korea
Building Information Modeling
SFPE Handbook of Fire Protection Engineering
ECPPM 2021 - eWork and eBusiness in Architecture, Engineering and Construction
Advances in Informatics and Computing in Civil and Construction Engineering
Korean Culture
Korea's Occupied Cinemas, 1893-1948
An Assessment of the South Korean Market for Value-added Wood Products
Sustainability Assessments of Buildings
Life Cycle Assessment on Green Building Implementation
ACI 318K-11 Building Code Requirements for Structural Concrete and Commentary (Korean)
Issues in Environmental Law, Policy, and Planning: 2013 Edition
Concrete Structures in Earthquake
Case Studies of Rehabilitation, Repair, Retrofitting, and Strengthening of Structures

Disaster and Development
Progress in Civil, Architectural and Hydraulic Engineering IV

EVAN MARLEY

OECD Economic Surveys: Korea 2022
Springer Nature
This book is a printed edition of the Special Issue "Sustainability Assessments of Buildings" that was published in Sustainability
ECPPM 2022 - eWork and eBusiness in Architecture, Engineering and Construction 2022
University of Hawaii Press
Structural Analysis of Historical Constructions. Anamnesis, diagnosis, therapy, controls contains the papers presented at the 10th International Conference on Structural Analysis of Historical Constructions (SAHC2016, Leuven, Belgium, 13-15 September 2016). The main theme of the book is “Anamnesis, Diagnosis, Therapy, Controls”, which emphasizes the importance of all steps of a restoration process in order to obtain a thorough understanding of the structural behaviour of built cultural heritage. The contributions cover every aspect of the structural analysis of historical constructions, such as material characterization, structural modelling,

static and dynamic monitoring, non-destructive techniques for on-site investigation, seismic behaviour, rehabilitation, traditional and innovative repair techniques, and case studies. A special focus has been put on six specific themes: - Innovation and heritage - Preventive conservation - Computational strategies for heritage structures - Sustainable strengthening of masonry with composites - Values and sustainability, and - Subsoil interaction The knowledge, insights and ideas in Structural Analysis of Historical Constructions. Anamnesis, diagnosis, therapy, controls make this book of abstracts and the corresponding, digital full-colour conference proceedings containing the full papers must-have literature for researchers and practitioners involved in the structural analysis of historical constructions.

PV System Design and Performance Springer This Special Issue was created to collect the most recent and novel research on seismic performance evaluation of building structures. This issue includes three important topics on seismic engineering for building structures: (1) seismic design and performance evaluation, (2) structural dynamics, and (3) seismic hazard and risk analysis. To protect building

structures from earthquakes, it is necessary to conduct seismic performance evaluations on structures with reliable methods and to retrofit these structures appropriately using the results of the seismic performance evaluation.

eWork and eBusiness in Architecture, Engineering and Construction MDPI

Collection of selected papers on current advances in high performance construction materials. Contributions deal with the development, characterization, application procedures, performance and structural design of materials with key potential in civil engineering works. Materials treated are fibre reinforced concrete, high performance concrete, sel

Buildings and Structures under Extreme Loads CRC Press

This extensive text investigates how architects, planners, and other related experts responded to the contexts and discourses of “development” after World War II. Development theory did not manifest itself in tracts of economic and political theory alone. It manifested itself in every sphere of expression where economic predicaments might be seen to impinge on cultural factors. Architecture appears in development discourse as a terrain between culture and economics,

in that practitioners took on the mantle of modernist expression while also acquiring government contracts and immersing themselves in bureaucratic processes. This book considers how, for a brief period, architects, planners, structural engineers, and various practitioners of the built environment employed themselves in designing all the intimate spheres of life, but from a consolidated space of expertise. Seen in these terms, development was, to cite Arturo Escobar, an immense design project itself, one that requires radical disassembly and rethinking beyond the umbrella terms of "global modernism" and "colonial modernities," which risk erasing the sinews of conflict encountered in globalizing and modernizing architecture. Encompassing countries as diverse as Israel, Ghana, Greece, Belgium, France, India, Mexico, the United States, Venezuela, the Philippines, South Korea, Sierra Leone, Singapore, Turkey, Cyprus, Iraq, Zambia, and Canada, the set of essays in this book cannot be considered exhaustive, nor a "field guide" in the traditional sense. Instead, it offers theoretical reflections "from the field," based on extensive archival research. This book sets out to examine the arrays of power, resources, technologies, networking, and

knowledge that cluster around the term "development," and the manner in which architects and planners negotiated these thickets in their multiple capacities—as knowledge experts, as technicians, as negotiators, and as occasional authorities on settlements, space, domesticity, education, health, and every other field where arguments for development were made.

Advanced Materials and Processes II
Springer Science & Business Media
This book is a printed edition of the Special Issue "Life Cycle Assessment on Green Building Implementation" that was published in Sustainability

Agriculture, Rural Development, Food and Drug Administration, and Related Agencies Appropriations for 1996: Agricultural programs, Farm Credit Administration
Springer
In the last two decades, the biannual ECPPM (European Conference on Product and Process Modelling) conference series has provided a unique platform for the presentation and discussion of the most recent advances with regard to the ICT (Information and Communication Technology) applications in the AEC/FM (Architecture, Engineering, Construction and Facilities Management) domains. ECPPM 2014, the 10th European Conference on Product and Process Modelling,

was hosted by the Department of Building Physics and Building Ecology of the Vienna University of Technology, Austria (17-19 September 2014). This book entails a substantial number of high-quality contributions that cover a large spectrum of topics pertaining to ICT deployment instances in AEC/FM, including: - BIM (Building Information Modelling) - ICT in Civil engineering & Infrastructure - Human requirements & factors - Computational decision support - Commissioning, monitoring & occupancy - Energy & management - Ontology, data models, and IFC (Industry Foundation Classes) - Energy modelling - Thermal performance simulation - Sustainable buildings - Micro climate modelling - Model calibration - Project & construction management - Data & information management As such, eWork and eBusiness in Architecture, Engineering and Construction 2014 represents a rich and comprehensive resource for academics and professionals working in the interdisciplinary areas of information technology applications in architecture, engineering, and construction.

Narratives of Nation Building in Korea Trans Tech Publications Ltd

Exceptional loads on buildings and structures may have different causes,

including high-strain dynamic effects due to natural hazards, man-made attacks, and accidents, as well as extreme operational conditions (severe temperature variations, humidity, etc.). All of these aspects can be critical for specific structural typologies and/or materials that are particularly sensitive to external conditions. In this regard, dedicated and refined methods are required for their design, analysis, and maintenance under the expected lifetime. There are major challenges related to the structural typology and material properties with respect to the key features of the imposed design load. Further issues can be derived from the need for risk mitigation or retrofit of existing structures as well as from the optimal and safe design of innovative materials/systems. Finally, in some cases, no appropriate design recommendations are available and, thus, experimental investigations can have a key role within the overall process. In this Special Issue, original research studies, review papers, and experimental and/or numerical investigations are presented for the structural performance assessment of buildings and structures under various extreme conditions that are of interest for design. *Computational Studies on Cultural Variation and Heredity* CRC Press

Sets forth the evolution of Korea's law and legal system from the Chosŏn dynasty through the colonial and postcolonial modern periods.

Recent Trends in Civil Engineering IABSE

This book presents the select proceedings of International Conference on Recent Advancements in Civil Engineering (ICRACE) 2021. Various topics covered include theory and advanced technology of engineering structure, high-rise structure and large-span, structure, bridge and tunnel engineering, advanced concrete technology, durable structures, building energy conservation and green architecture, disaster management, smart structures and materials, soil and rock mechanics, geotechnology, hydraulic and hydro-power engineering, road & bridge engineering, and sustainable transportation infrastructures. This book will be useful for researchers and professionals working in the area of civil engineering and allied fields.

4th International Conference on Performance-Based Codes and Fire Safety Design Methods MDPI

This proceedings volume chronicles the papers presented at the 35th CIB W78 2018 Conference: IT in Design, Construction, and Management, held in Chicago, IL, USA, in October 2018. The theme of the conference focused on fostering, encouraging,

and promoting research and development in the application of integrated information technology (IT) throughout the life-cycle of the design, construction, and occupancy of buildings and related facilities. The CIB – International Council for Research and Innovation in Building Construction – was established in 1953 as an association whose objectives were to stimulate and facilitate international cooperation and information exchange between governmental research institutes in the building and construction sector, with an emphasis on those institutes engaged in technical fields of research. The conference brought together more than 200 scholars from 40 countries, who presented the innovative concepts and methods featured in this collection of papers.

Agriculture, Rural Development, and Related Agencies Appropriations for Fiscal Year 2007 M.E. Sharpe

Research-based reports on fire safety engineering and design of buildings and other structures.

Structural Analysis of Historical Constructions: Anamnesis, Diagnosis, Therapy, Controls MDPI

ECPPM 2022 - eWork and eBusiness in Architecture, Engineering and Construction contains the papers presented at the 14th European Conference on Product & Process Modelling

(ECPPM 2022, Trondheim, Norway, 14-16 September 2022), and builds on a long-standing history of excellence in product and process modelling in the construction industry, which is currently known as Building Information Modelling (BIM). The following topics and applications are given special attention: Sustainable and Circular Driven Digitalisation: Data Driven Design and/or Decision Support Assessment and Documentation of Sustainability Information lifecycle Data Management: Collection, Processing and Presentation of Environmental Product Documentation (EPD) and Product Data Templates (PDT) Digital Enabled Collaboration: Integrated and Multi-Disciplinary Processes Virtual Design and Construction (VDC): Production Metrics, Integrated Concurrent Engineering, Lean Construction and Information Integration Automation of Processes: Automation of Design and Engineering Processes, Parametric Modelling and Robotic Process Automation Expert Systems: BIM based model and compliance checking Enabling Technologies: Machine Learning, Big Data, Artificial and Augmented Intelligence, Digital Twins, Semantic Technology Sensors and IoT Production with Autonomous Machinery, Robotics and Combinations of Existing and New

Technical Solutions Frameworks for Implementation: International Information Management Series (ISO 19650), and Other International Standards (ISO), European (CEN) and National Standards, Digital Platforms and Ecosystems Human Factors in Digital Application: Digital Innovation, Economy of Digitalisation, Client, Organisational, Team and/or Individual Perspectives Over the past 25 years, the biennial ECPPM conference proceedings series has provided researchers and practitioners with a unique platform to present and discuss the latest developments regarding emerging BIM technologies and complementary issues for their adoption in the AEC/FM industry. *Response Control and Seismic Isolation of Buildings* Routledge Issues for 1955 accompanied by supplement: Construction volume and costs, 1915-1954. *Tubular Structures XII* CRC Press

There are many regions worldwide which are susceptible to extreme loads such as earthquakes. These can cause loss of life and adverse impacts on civil infrastructures, the environment, and communities. A series of methods and measures have been used to mitigate the effects of these extreme loads. The adopted approaches and methods must enable civil structures to be resilient and

sustainable. Therefore, to reduce damage and downtime in addition to protecting life and promoting safety, new resilient structure technologies must be proposed and developed. This special issue book focuses on methods of enhancing the sustainability and resilience of civil infrastructures in the event of extreme loads (e.g., earthquakes). This book contributes proposals of and theoretical, numerical, and experimental research on new and resilient civil structures and their structural performance under extreme loading events. These works will certainly play a significant role in promoting the application of new recoverable structures. Moreover, this book also introduces some case studies discussing the implementation of low-damage structural systems in buildings as well as articles on the development of design philosophies and performance criteria for resilient buildings and new sustainable communities.

Agriculture, Rural Development, and Related Agencies Appropriations

Springer

Although modernization in Korea started more than a century later than in the West, it has worked as a prominent ideology throughout the past century—in particular it has brought radical changes in Korean architecture and cities. Traditional structures and ways of life have been thoroughly

uprooted in modernity's continuous negation of the past. This book presents a comprehensive overview of architectural development and urbanization in Korea within the broad framework of modernization. Twentieth-century Korean architecture and cities form three distinctive periods. The first, defined as colonial modern, occurred between the early twentieth century and 1945, when Western civilization was transplanted to Korea via Japan, and a modern way of life, albeit distorted, began taking shape. The second is the so-called developmental dictatorship period. Between 1961 and 1988, the explosive growth of urban populations resulted in large-scale construction booms, and architects delved into modern identity through the locality of traditional architecture. The last period began in the mid-1990s and may be defined as one of modernization settlement and a transition to globalization. With city populations leveling out, urbanization and architecture came to be viewed from new perspectives. Inha Jung, however, contends that what is more significant is the identification of elements that have remained unchanged. Jung identifies continuities that have been formed by long-standing relationships between humans and their built environment

and, despite rapid modernization, are still deeply rooted in the Korean way of life. For this reason, in the twentieth century, regionalism exerted a great influence on Korean architects. Various architectural and urban principles that Koreans developed over a long period while adapting to the natural environment have provided important foundations for architects' works. By exploring these sources, this carefully researched and amply illustrated book makes an original contribution to defining modern identity in Korea's architecture, housing, and urbanism.

Expanding the Korean Market for Residential Wood-frame Construction CRC Press

The International Conference on Civil, Architectural and Hydraulic Engineering series provides a forum for exchange of ideas and enhancing mutual understanding between scientists, engineers, policymakers and experts in these engineering fields. This book contains peer-reviewed contributions from many experts representing industry and academic es

Advances in Cement-Based Materials CRC Press

These 507 peer-reviewed papers are grouped into the chapters: Non-Ferrous Metal Materials; Iron and Steel; Composites; Micro/Nano Materials; Optical/Electronic/Magnetic Materials; Building Materials and Structural Mechanics;

New Materials and their Application; Energy Materials and Energy Storage Materials; Material Forming, Machining and Joining; Material Preparation, Properties and Failure; Thin Films/Surface Engineering/Coatings; Computer Application, Mathematical Modeling and Analysis; Modeling, Simulation and Emulation; Product Design, Manufacturing and Maintenance. This compilation offers invaluable insights into current thinking concerning materials usage.

The South Korean Wood Products Market

ScholarlyEditions

Photovoltaic solar energy technology (PV) has been developing rapidly in the past decades, leading to a multi-billion-dollar global market. It is of paramount importance that PV systems function properly, which requires the generation of expected energy both for small-scale systems that consist of a few solar modules and for very large-scale systems containing millions of modules. This book increases the understanding of the issues relevant to PV system design and correlated performance; moreover, it contains research from scholars across the globe in the fields of data analysis and data mapping for the optimal performance of PV systems, faults analysis, various causes for energy loss, and design and integration issues. The chapters in this book

demonstrate the importance of designing and properly monitoring photovoltaic systems in the field in order to ensure continued good performance.
Advanced Methods for Seismic Performance Evaluation of Building Structures CRC Press
This book gathers 23 papers by top experts from 11 countries, presented at the 3rd Houston International Forum: Concrete Structures in Earthquake. Designing infrastructures to resist earthquakes has always been the focus and mission of scientists and engineers located in tectonically active regions, especially around the “Pacific Rim of Fire” including China, Japan, and the USA. The pace of research and innovation has accelerated in the past three decades, reflecting the need to mitigate the risk of severe damage to interconnected infrastructures, and to facilitate the incorporation of high-speed computers and the internet. The respective papers focus on the design and analysis of concrete structures subjected to earthquakes, advance the state of knowledge in disaster mitigation, and address the safety of infrastructures in general.