

Free reading Ad quadratum the practical application of geometry in medieval architecture Copy

this volume engages with notions of lateness and modernity in medieval architecture broadly conceived geographically temporally methodologically and theoretically it aims to re situate secular and religious buildings from the 14th through the 16th centuries that are indebted to medieval building practices and designs within the more established narratives of art and architectural history john james is an australian architect and medieval historian since 1969 he has been searching for the origins of the gothic style beginning with a five year study of chartres cathedral at that time there were no coherent techniques for analysing the detailed construction history of existing stone structures this he created he expanded his research to include all the early gothic churches in the paris region with a three year survey of over 3500 buildings his most important discovery has been that all churches of this period were constructed in many short campaigns by mobile building teams and that major innovation was more likely to occur in the smaller buildings than in the larger this volume makes available 42 of the author s studies on the development of gothic architecture in france medieval architecture and its intellectual context reflects the range of peter kidson s own interests and are united in following his approach to medieval architecture and art a determination to see buildings and objects in the intellectual terms of the time in which they were created this is an english language study on the architecture and art of medieval france of the romanesque and gothic periods between 1000 1500 in addition to essays on individual monuments there are general discussions of given periods and specific problems such as why did gothic come into being whitney stoddard explores the interrelationship between all forms of medieval ecclesiastical art and characterization of the gothic cathedral which he believes to have an almost metaphysical basis at last available in english this classic text was originally published in germany in 1951 and has been continuously in print since then gunter bandmann analyzes the architecture of societies in western europe up to the twelfth century that aspired to be the heirs to the roman empire he examines the occurrence and recurrence of basic forms not as stylistic evolutions but as meaningful expressions of meta material content and develops an architectural iconography of symbolic historical and aesthetic elements this volume offers unparalleled coverage of all aspects of art and architecture from medieval western europe from the 6th century to the early 16th century drawing upon the expansive scholarship in the celebrated grove dictionary of art and adding hundreds of new entries it offers students researchers and the general public a reliable up to date and convenient resource covering this field of major importance in the development of western history and international art and architecture the purpose of the project is to provide the most up to date survey on issues dealing with practical geometry and how it might have been applied in the design of medieval architecture chronologically the topics cover a wide span from early medieval through late gothic geographically the monuments under discussion range from early medieval florence through carolingian germany crusader cyprus romanesque france and gothic england the applications of both geometry and metrology are considered in this volume often with illustrations generated by computer assisted design cad software the project therefore offers recent scholarship in the field as well as cutting edge technology which helps propel the pursuit of such studies to this end the project is the first of its kind both in terms of its focus and its comprehensiveness such a project is sorely needed to introduce this highly specialized discipline to other historians of art history and science of the middle ages as well as historians in most humanistic areas this collection of essays presents the exciting and innovative work being done in the field of medieval architectural history by scholars affiliated with avista one of the most active sponsors of such research in the anglo american scholarly community these studies constitute a snapshot of the range of new interpretive strategies being deployed by researchers in the reassessment of previous scholarship and identification of new modes of inquiry in recent years the study of medieval architecture has been transformed by the emergence of new critical perspectives and new technologies the contributors to this book are among those at the forefront of these developments several of the essays present dramatic reinterpretations of canonical monuments including the abbey of saint denis beauvais cathedral and notre dame in paris others consider broader methodological issues such as the applications of geometry workshop practice and the shaping of historical narratives still others demonstrate how high tech scanning and visualization methods can enhance our understanding of construction methods and the behavior of buildings the publication of this collection of pioneering essays should foster further exploration

by clarifying the state of research by establishing specific historical arguments and by providing models of inquiry to inspire emerging scholars organised by themes in turn figurative and abstract vital and mechanical immaterial and ultra material this visual essay on the human body does not feature any predictable images of the body instead it uses diffracted views to conjure seven alternative visions of the flesh in the age of meta mechanical reproduction page 3 this work defines eastern europe as encompassing the feudal states under the aegis of the orthodox church which in present day includes bulgaria rumania ygoslavia and parts of russia it includes monuments basilicas palaces and more from the 9th to 18th centuries the 11th and 12th centuries witnessed a transformation of european culture from architecture and the visual arts to history philosophy theology and even law drawing on new work published over the past twenty years the author offers a history of building in western europe from 300 to 1200 medieval castles church spires and monastic cloisters are just some of the areas covered medieval castles have traditionally been explained as feats of military engineering and tools of feudal control but abigail wheatley takes a different approach looking at a range of sources usually neglected in castle studies evidence from contemporary literature and art reveals the castle s place at the heart of medieval culture as an architecture of ideas every bit as sophisticated as the church architecture of the period this study offers a genuinely fresh perspective most castle scholars confine themselves to historical documents but wheatley examines literary and artistic evidence for its influence on and response to contemporary castle architecture sermons seals and ivory caskets local legends and roman ruins all have their part to play what emerges is a fascinating web of cultural resonances the castle is implicated in every aspect of medieval consciousness from private religious contemplation to the creation of national mythologies this book makes a compelling case for a new interdisciplinary approach to castle studies abigail wheatley studied for her phd at york university s centre for medieval studies the beauty and complexity of medieval architecture is brought to life in this stunning collection of photographs and surveys featuring works from the brooklyn museum of arts and sciences and the edinburgh architectural association this catalog showcases the intricate details and grand designs of cathedrals castles and other medieval structures with expert commentary by william henry goodyear this book is a must have for anyone interested in the history of architecture and art this work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it this work is in the public domain in the united states of america and possibly other nations within the united states you may freely copy and distribute this work as no entity individual or corporate has a copyright on the body of the work scholars believe and we concur that this work is important enough to be preserved reproduced and made generally available to the public we appreciate your support of the preservation process and thank you for being an important part of keeping this knowledge alive and relevant medieval architecture comprises much more than the traditional image of gothic cathedrals and the castles of chivalry a great variety of buildings synagogues halls and barns testify to the diverse communities and interests in western europe in the centuries between 1150 and 1550 this book looks at their architecture from an entirely fresh perspective shifting the emphasis away from such areas as france towards the creativity of other regions including central europe and spain treating the subject thematically coldstream seeks out what all buildings both religious and secular have in common and how they reflect the material and spiritual concerns of the people who built and used them furthermore the author considers how and why after four centuries of shaping the landscapes and urban patterns of europe medieval styles were superseded by classicism this book presents a fresh perspective on eleventh and twelfth century irish architecture and a critical assessment of the value of describing it and indeed contemporary european architecture in general as romanesque medieval irish architecture and the concept of romanesque is a new and original study of medieval architectural culture in ireland the book s central premise is that the concept of a romanesque style in eleventh and twelfth century architecture across western europe including ireland is problematic and that the analysis of building traditions of that period is not well served by the assumption that there was a common style detailed discussion of important buildings in ireland a place marginalised within the romanesque model reveals the irish evidence to be intrinsically interesting to students of medieval european architecture for it is evidence which illuminates how architectural traditions of the middle ages were shaped by balancing native and imported needs and aesthetics often without reference to romanitas this book is for specialists and students in the fields of romanesque medieval archaeology medieval architectural history and medieval irish studies in analyzing the early medieval architecture of christian and islamic spain jerrilynn dodds explores the principles of artistic response to social and cultural tension offering an account of that unique artistic experience that set spain apart from the rest of europe and established a visual identity born of the confrontation of cultures that perceived one another as alien architecture and ideology in early medieval spain covers the spanish medieval experience from the visigothic oligarchy to the year 1000 addressing a

variety of cases of cultural interchange it examines the embattled reactive stance of hispano romans to their visigothic rulers and the asturian search for a new language of forms to support a political position dissociated from the struggles of a peninsula caught in the grip of a foreign and infidel rule dodds then examines the symbolic meaning of the mozarabic churches of the tenth century and their reflection of the mozarabs threatened cultural identity the final chapter focuses on two cases of artistic interchange between islamic and christian builders with a view toward understanding the dynamics of such interchange between conflicting cultures dodds concludes with a short account of the beginning of romanesque architecture in spain and an analysis of some of the ways in which artistic expression can reveal the subconscious of a culture medieval churches are one of the most remarkable creative and technical achievements in architectural history the complex vaults spanning their vast interiors have fascinated both visitors and worshippers alike for over 900 years prompting many to ask how did they do that yet very few original texts or drawings survive to explain the processes behind their design or construction this book presents a ground breaking new approach for analysing medieval vaulting using advanced digital technologies focusing on the intricately patterned rib vaulting of thirteenth and fourteenth century england the authors re examine a series of key sites within the history of romanesque and gothic architecture using extensive digital surveys to examine the geometries of the vaults and provide new insights into the design and construction practices of medieval masons from the simple surfaces of eleventh century groin vaults to the gravity defying pendant vaults of the sixteenth century they explore a wide range of questions including how were medieval vaults conceived and constructed how were ideas transferred between sites what factors led to innovations how can digital methods be used to enhance our understanding of medieval architectural design featuring over 200 high quality illustrations that bring the material and the methods used to life digital analysis of vaults in english medieval architecture is ideal reading for students researchers and anyone with an interest in medieval architecture construction history architectural history and design medieval geometry or digital heritage the rich and diverse architectural traditions of the eastern mediterranean and adjacent regions are the subject of this book representing the visual residues of a forgotten middle ages the social and cultural developments of the byzantine empire the caucasus the balkans russia and the middle east parallel the more familiar architecture of western europe the book offers an expansive view of the architectural developments of the byzantine empire and areas under its cultural influence as well as the intellectual currents that lie behind their creation the book alternates chapters that address chronological or regionally based developments with thematic studies that focus on the larger cultural concerns as they are expressed in architectural form medieval art and architecture after the middle ages explores the endurance of and nostalgia for medieval monuments through their reception in later periods specifically illuminating the myriad ways in which tangible and imaginary artifacts of the middle ages have served to articulate contemporary aspirations and anxieties the essays in this interdisciplinary collection examine the afterlife of medieval works through their preservation restoration appropriation and commodification in america great britain and across europe from the sixteenth to the twentieth century from the evocation of metaphors and tropes to monumental projects of restoration and recreation medieval visual culture has had a tremendous purchase in the construction of political religious and cultural practices of the modern era the authors assembled here engage a diverse spectrum of works from irish ruins and a former florentine prison to french churches and american department stores and an equally diverse array of media ranging from architecture and manuscripts to embroidery monumental sculpture and metalwork with applications not only to the study of art and architecture but also encompassing such varied fields as commerce city planning education literature collecting and exhibition design this copiously illustrated anthology comprises a significant contribution to the study of medieval art and medievalism this is the first of two volumes to consider in detail the architecture of islam from spain to india from the 7th century to the present day hillenbrand s particular interests are iranian buildings from the saljuq period 11th to 12th centuries and the umayyad monuments in the levant 660 750 ad this volume considers the architecure of cordoba syria pakistan and britain and america and includes islamic and oriental art the second volume predominantly concerned with iran is also available volume i contents preface the legacy of the dome of the rock the ornament of the world cordoba a pair of medieval tomb towers in van la dolce vita in early islamic syria the evidence of later umayyad palaces islamic art at the crossroads east and west at mshatta some observations on the use of space in medieval islamic buildings eastern islamic influneces in syria raqqa and qal at ja bar in the later twelfth century islamic art architecture and archaeology the classical heritage in islamic art the case of medieval architecture the use of spatial devices in the great mosque of cordoba islamic art and architecture political symbolism in early indo muslim mosque architecture the case of ajmir qur anic epigraphy in medieval islamic architecture cresswell and contemporary central european scholarship turco iranian elements in the medieval architecture of

pakistan the case of the tomb of rukn i alam at multan mamlik caravansarais in galilee the dervish lodge architecture art and sufism in ottoman turkey reflections on o aslanapa s turkish art and architecture traditional architecture in the arabian peninsula musalla qasr kharana re examined occidental oriental islamic influences in the art of britain and america splendour and austerity islamic architectural ornament the monument reviews of m meinecke die madrasa des amir mitqal c ewert and j p wissihak forschungen zur almohadischen moschee i vorstafen e c dodd and s khairallah the image of the world featuring eight innovative studies by prominent scholars of medieval art and architecture this special issue of medieval encounters examines the specific means by which art and architectural forms techniques and ideas were transmitted throughout the medieval world ca 1000 1500 while focusing on the mediterranean region the collection also includes essays that expand this geographic zone into a cultural and artistic one by demonstrating contact with near and distant neighbors thereby allowing an expanded understanding of the interconnectedness of the medieval world the studies are united by a focus on the specific mechanisms that enabled artistic and architectural interaction as well as the individuals who facilitated these transmissions authors also consider the effects and collaboration of portable and monumental arts in the creation of intercultural artistic traditions contributors are justine andrews maria georgopoulou ludovico geymonat heather e grossman eva hoffman melanie michailidis renata holod scott redford and alicia walker is the display of number and geometry in medieval religious architecture evidence of intended symbolism this book offers a new perspective in the retrieval of meaning from architecture in the greek east and the latin west and challenges the view that geometry was merely an outcome of practical procedures by masons instead it attributes intellectual meaning to it as understood by christian platonist thought and provides compelling evidence that the symbolism was often intended in so doing the book serves as a companion volume to the wise master builder by the same author which found the same system implicit in plans of cathedrals and abbeys the present book explains how the architectural symbolism proposed could have been understood at the time as supported by medieval texts and its context since it is context that can confer specific meaning the introduction locates the study in its critical context and summarizes christian platonism as it determined the meaning of number and geometry the investigation opens with the recurrent symbolism of the dome and the cube as heaven and earth in the byzantine world and moves to the duality of the temple and the body in the east and west as reflections of plato s universal macrocosm and human microcosm the study then examines each of the figures of platonic geometry in the architecture of the west against the background of their mathematics and metaphysics before proceeding to their synthesis with the circle as seen in circular and polygonal structures the divisions of circles in christian art and their display in window tracery culminating in the rose window in view of the multivalency of the symbolism the investigation establishes systematic occurrences of it which strongly suggest patterns of thought underlying systems of design the book concludes with a series of test cases which show the after life of the same symbolism as it overlapped with the renaissance this book is the first devoted to the important innovations in architecture that took place in western europe between the death of emperor justinian in a d 565 and the tenth century during this period of transition from late antiquity to the middle ages the early christian basilica was transformed in both form and function charles b mcclendon draws on rich documentary evidence and archaeological data to show that the buildings of these three centuries studied in isolation but rarely together set substantial precedents for the future of medieval architecture he looks at buildings of the so called dark ages monuments that reflected a new assimilation of seemingly antithetical barbarian and classical attitudes toward architecture and its decoration and at the grand and innovative architecture of the carolingian empire the great romanesque and gothic churches of subsequent centuries owe far more to the architectural achievements of the early middle ages than has generally been recognized the author argues anatolia was home to a large number of polities in the medieval period given its location at the geographical and chronological juncture between byzantines and the ottomans its story tends to be read through the seljuk experience this obscures the multiple experiences and spaces of anatolia under the byzantine empire turko muslim dynasties contemporary to the seljuks the mongol ilkhanids and the various beyliks of eastern and western anatolia this book looks beyond political structures and towards a reconsideration of the interactions between the rural and the urban an analysis of the relationships between architecture culture and power and an examination of the region s multiple geographies in order to expand historiographical perspectives it draws on a wide variety of sources architectural artistic documentary and literary including texts composed in several languages arabic armenian byzantine greek persian and turkish original in its coverage of this period from the perspective of multiple polities religions and languages this volume is also the first to truly embrace the cultural complexity that was inherent in the reality of daily life in medieval anatolia and surrounding regions a photographic essay on early medieval and romanesque architecture in italy and croatia architect jong soung kimm s

born 1935 photographic series captures early medieval and romanesque design elements found on the italian peninsula and adriatic seashore featured buildings include san miniato al monte florence sant abbondio como and santa maria la nuova monreale

Lateness and Modernity in Medieval Architecture

2023

this volume engages with notions of lateness and modernity in medieval architecture broadly conceived geographically temporally methodologically and theoretically it aims to re situate secular and religious buildings from the 14th through the 16th centuries that are indebted to medieval building practices and designs within the more established narratives of art and architectural history

In Search of the Unknown in Medieval Architecture

2007-12-31

john james is an australian architect and medieval historian since 1969 he has been searching for the origins of the gothic style beginning with a five year study of chartres cathedral at that time there were no coherent techniques for analysing the detailed construction history of existing stone structures this he created he expanded his research to include all the early gothic churches in the paris region with a three year survey of over 3500 buildings his most important discovery has been that all churches of this period were constructed in many short campaigns by mobile building teams and that major innovation was more likely to occur in the smaller buildings than in the larger this volume makes available 42 of the author s studies on the development of gothic architecture in france

Medieval Architecture and Its Intellectual Context

1990-01-01

medieval architecture and its intellectual context reflects the range of peter kidson s own interests and are united in following his approach to medieval architecture and art a determination to see buildings and objects in the intellectual terms of the time in which they were created

Art And Architecture In Medieval France

2018-02-20

this is an english language study on the architecture and art of medieval france of the romanesque and gothic periods between 1000 1500 in addition to essays on individual monuments there are general discussions of given periods and specific problems such as why did gothic come into being whitney stoddard explores the interrelationship between all forms of medieval ecclesiastical art and characterization of the gothic cathedral which he believes to have an almost metaphysical basis

Early Medieval Architecture as Bearer of Meaning

2005-07-06

at last available in english this classic text was originally published in germany in 1951 and has been continuously in print since then gunter bandmann analyzes the architecture of societies in western europe up to the twelfth century that aspired to be the heirs to the roman empire he examines the occurrence and recurrence of basic forms not as stylistic evolutions but as meaningful expressions of meta material content and develops an architectural iconography of symbolic historical and aesthetic elements

Lectures on the Rise and Development of Medieval Architecture

1879

this volume offers unparalleled coverage of all aspects of art and architecture from medieval western europe from the 6th century to the early 16th century drawing upon the expansive scholarship in the celebrated grove dictionary of art and adding hundreds of new entries it offers students researchers and the general public a reliable up to date and convenient resource covering this field of major importance in the development of western history and international art and architecture

The Grove Encyclopedia of Medieval Art and Architecture

2012

the purpose of the project is to provide the most up to date survey on issues dealing with practical geometry and how it might have been applied in the design of medieval architecture chronologically the topics cover a wide span from early medieval through late gothic geographically the monuments under discussion range from early medieval florence through carolingian germany crusader cyprus romanesque france and gothic england the applications of both geometry and metrology are considered in this volume often with illustrations generated by computer assisted design cad software the project therefore offers recent scholarship in the field as well as cutting edge technology which helps propel the pursuit of such studies to this end the project is the first of its kind both in terms of its focus and its comprehensiveness such a project is sorely needed to introduce this highly specialized discipline to other historians of art history and science of the middle ages as well as historians in most humanistic areas

Ad Quadratum

2017-03-02

this collection of essays presents the exciting and innovative work being done in the field of medieval architectural history by scholars affiliated with avista one of the most active sponsors of such research in the anglo american scholarly community these studies constitute a snapshot of the range of new interpretive strategies being deployed by researchers in the reassessment of previous scholarship and identification of new modes of inquiry in recent years the study of medieval architecture has been transformed by the emergence of new critical perspectives and new technologies the contributors to this book are among those at the forefront of these developments several of the essays present dramatic reinterpretations of canonical monuments including the abbey of saint denis beauvais cathedral and notre dame in paris others consider broader methodological issues such as the applications of geometry workshop practice and the shaping of historical narratives still others demonstrate how high tech scanning and visualization methods can enhance our understanding of construction methods and the behavior of buildings the publication of this collection of pioneering essays should foster further exploration by clarifying the state of research by establishing specific historical arguments and by providing models of inquiry to inspire emerging scholars

New Approaches to Medieval Architecture

2016-12-05

organised by themes in turn figurative and abstract vital and mechanical immaterial and ultra material this visual essay on the human body does not feature any predictable images of the body instead it uses diffracted views to conjure seven alternative visions of the flesh in the age of meta mechanical reproduction page 3

Medieval Architecture

1912

this work defines eastern europe as encompassing the feudal states under the aegis of the orthodox church which in present day includes bulgaria rumania ygoslavia and parts of russia it includes monuments basilicas palaces and more from the 9th to 18th centuries

Diamond Vaults

2005

the 11th and 12th centuries witnessed a transformation of european culture from architecture and the visual arts to history philosophy theology and even law

Medieval Architecture; Its Origins and Development: Origins

1969

drawing on new work published over the past twenty years the author offers a history of building in western europe from 300 to 1200 medieval castles church spires and monastic cloisters are just some of the areas covered

Medieval Architecture in Eastern Europe

1983

medieval castles have traditionally been explained as feats of military engineering and tools of feudal control but abigail wheatley takes a different approach looking at a range of sources usually neglected in castle studies evidence from contemporary literature and art reveals the castle s place at the heart of medieval culture as an architecture of ideas every bit as sophisticated as the church architecture of the period this study offers a genuinely fresh perspective most castle scholars confine themselves to historical documents but wheatley examines literary and artistic evidence for its influence on and response to contemporary castle architecture sermons seals and ivory caskets local legends and roman ruins all have their part to play what emerges is a

fascinating web of cultural resonances the castle is implicated in every aspect of medieval consciousness from private religious contemplation to the creation of national mythologies this book makes a compelling case for a new interdisciplinary approach to castle studies abigail wheatley studied for her phd at york university s centre for medieval studies

Medieval Architecture, Medieval Learning

1992-01-01

the beauty and complexity of medieval architecture is brought to life in this stunning collection of photographs and surveys featuring works from the brooklyn museum of arts and sciences and the edinburgh architectural association this catalog showcases the intricate details and grand designs of cathedrals castles and other medieval structures with expert commentary by william henry goodyear this book is a must have for anyone interested in the history of architecture and art this work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it this work is in the public domain in the united states of america and possibly other nations within the united states you may freely copy and distribute this work as no entity individual or corporate has a copyright on the body of the work scholars believe and we concur that this work is important enough to be preserved reproduced and made generally available to the public we appreciate your support of the preservation process and thank you for being an important part of keeping this knowledge alive and relevant

Early Medieval Architecture

1999

medieval architecture comprises much more than the traditional image of gothic cathedrals and the castles of chivalry a great variety of buildings synagogues halls and barns testify to the diverse communities and interests in western europe in the centuries between 1150 and 1550 this book looks at their architecture from an entirely fresh perspective shifting the emphasis away from such areas as france towards the creativity of other regions including central europe and spain treating the subject thematically coldstream seeks out what all buildings both religious and secular have in common and how they reflect the material and spiritual concerns of the people who built and used them furthermore the author considers how and why after four centuries of shaping the landscapes and urban patterns of europe medieval styles were superseded by classicism

The Idea of the Castle in Medieval England

2004

this book presents a fresh perspective on eleventh and twelfth century irish architecture and a critical assessment of the value of describing it and indeed contemporary european architecture in general as romanesque medieval irish architecture and the concept of romanesque is a new and original study of medieval architectural culture in ireland the book s central premise is that the concept of a romanesque style in eleventh and twelfth century architecture across western europe including ireland is problematic and that the analysis of building traditions of that period is not well served by the assumption that there was a common style detailed discussion of important buildings in ireland a place marginalised within the romanesque model reveals the irish evidence to be intrinsically interesting to students of medieval european architecture for it is evidence which illuminates how architectural traditions of the middle ages were shaped by balancing native and imported needs and aesthetics often without reference to romanitas this book is for specialists and

students in the fields of romanesque medieval archaeology medieval architectural history and medieval irish studies

Medieval Architecture

1969

in analyzing the early medieval architecture of christian and islamic spain jerrilynn dodds explores the principles of artistic response to social and cultural tension offering an account of that unique artistic experience that set spain apart from the rest of europe and established a visual identity born of the confrontation of cultures that perceived one another as alien architecture and ideology in early medieval spain covers the spanish medieval experience from the visigothic oligarchy to the year 1000 addressing a variety of cases of cultural interchange it examines the embattled reactive stance of hispano romans to their visigothic rulers and the asturian search for a new language of forms to support a political position dissociated from the struggles of a peninsula caught in the grip of a foreign and infidel rule dodds then examines the symbolic meaning of the mozarabic churches of the tenth century and their reflection of the mozarabs threatened cultural identity the final chapter focuses on two cases of artistic interchange between islamic and christian builders with a view toward understanding the dynamics of such interchange between conflicting cultures dodds concludes with a short account of the beginning of romanesque architecture in spain and an analysis of some of the ways in which artistic expression can reveal the subconscious of a culture

Illustrated Catalogue Of Photographs & Surveys Of Architectural Refinements In Medieval Buildings

2023-07-18

medieval churches are one of the most remarkable creative and technical achievements in architectural history the complex vaults spanning their vast interiors have fascinated both visitors and worshippers alike for over 900 years prompting many to ask how did they do that yet very few original texts or drawings survive to explain the processes behind their design or construction this book presents a ground breaking new approach for analysing medieval vaulting using advanced digital technologies focusing on the intricately patterned rib vaulting of thirteenth and fourteenth century england the authors re examine a series of key sites within the history of romanesque and gothic architecture using extensive digital surveys to examine the geometries of the vaults and provide new insights into the design and construction practices of medieval masons from the simple surfaces of eleventh century groin vaults to the gravity defying pendant vaults of the sixteenth century they explore a wide range of questions including how were medieval vaults conceived and constructed how were ideas transferred between sites what factors led to innovations how can digital methods be used to enhance our understanding of medieval architectural design featuring over 200 high quality illustrations that bring the material and the methods used to life digital analysis of vaults in english medieval architecture is ideal reading for students researchers and anyone with an interest in medieval architecture construction history architectural history and design medieval geometry or digital heritage

Medieval Architecture

2002

the rich and diverse architectural traditions of the eastern mediterranean and adjacent regions are the subject of this book representing the visual residues

of a forgotten middle ages the social and cultural developments of the byzantine empire the caucasus the balkans russia and the middle east parallel the more familiar architecture of western europe the book offers an expansive view of the architectural developments of the byzantine empire and areas under its cultural influence as well as the intellectual currents that lie behind their creation the book alternates chapters that address chronological or regionally based developments with thematic studies that focus on the larger cultural concerns as they are expressed in architectural form

Medieval Irish Architecture and the Concept of Romanesque

2024-02-28

medieval art and architecture after the middle ages explores the endurance of and nostalgia for medieval monuments through their reception in later periods specifically illuminating the myriad ways in which tangible and imaginary artifacts of the middle ages have served to articulate contemporary aspirations and anxieties the essays in this interdisciplinary collection examine the afterlife of medieval works through their preservation restoration appropriation and commodification in america great britain and across europe from the sixteenth to the twentieth century from the evocation of metaphors and tropes to monumental projects of restoration and recreation medieval visual culture has had a tremendous purchase in the construction of political religious and cultural practices of the modern era the authors assembled here engage a diverse spectrum of works from irish ruins and a former florentine prison to french churches and american department stores and an equally diverse array of media ranging from architecture and manuscripts to embroidery monumental sculpture and metalwork with applications not only to the study of art and architecture but also encompassing such varied fields as commerce city planning education literature collecting and exhibition design this copiously illustrated anthology comprises a significant contribution to the study of medieval art and medievalism

Architecture and Ideology in Early Medieval Spain

1990

this is the first of two volumes to consider in detail the architecture of islam from spain to india from the 7th century to the present day hillenbrand s particular interests are iranian buildings from the saljuq period 11th to 12th centuries and the umayyad monuments in the levant 660 750 ad this volume considers the architecture of cordoba syria pakistan and britain and america and includes islamic and oriental art the second volume predominantly concerned with iran is also available volume i contents preface the legacy of the dome of the rock the ornament of the world cordoba a pair of medieval tomb towers in van la dolce vita in early islamic syria the evidence of later umayyad palaces islamic art at the crossroads east and west at mshatta some observations on the use of space in medieval islamic buildings eastern islamic influences in syria raqqa and qal at ja bar in the later twelfth century islamic art architecture and archaeology the classical heritage in islamic art the case of medieval architecture the use of spatial devices in the great mosque of cordoba islamic art and architecture political symbolism in early indo muslim mosque architecture the case of ajmir qur anic epigraphy in medieval islamic architecture cresswell and contemporary central european scholarship turco iranian elements in the medieval architecture of pakistan the case of the tomb of rukn i alam at multan mamlok caravansarais in galilee the dervish lodge architecture art and sufism in ottoman turkey reflections on o aslanapa s turkish art and architecture traditional architecture in the arabian peninsula musalla qasr kharana re examined occidental oriental islamic influences in the art of britain and america splendour and austerity islamic architectural ornament the monument reviews of m meinecke die madrasa des amir mitqal c ewert and j p wisshak forschungen zur almohadischen moschee i vorstufen e c dodd and s khairallah the image of the world

Digital Analysis of Vaults in English Medieval Architecture

2021-07-29

featuring eight innovative studies by prominent scholars of medieval art and architecture this special issue of medieval encounters examines the specific means by which art and architectural forms techniques and ideas were transmitted throughout the medieval world ca 1000 1500 while focusing on the mediterranean region the collection also includes essays that expand this geographic zone into a cultural and artistic one by demonstrating contact with near and distant neighbors thereby allowing an expanded understanding of the interconnectedness of the medieval world the studies are united by a focus on the specific mechanisms that enabled artistic and architectural interaction as well as the individuals who facilitated these transmissions authors also consider the effects and collaboration of portable and monumental arts in the creation of intercultural artistic traditions contributors are justine andrews maria georgopoulou ludovico geymonat heather e grossman eva hoffman melanie michailidis renata holod scott redford and alicia walker

Early Medieval Architecture as Bearer of Meaning

2005

is the display of number and geometry in medieval religious architecture evidence of intended symbolism this book offers a new perspective in the retrieval of meaning from architecture in the greek east and the latin west and challenges the view that geometry was merely an outcome of practical procedures by masons instead it attributes intellectual meaning to it as understood by christian platonist thought and provides compelling evidence that the symbolism was often intended in so doing the book serves as a companion volume to the wise master builder by the same author which found the same system implicit in plans of cathedrals and abbeys the present book explains how the architectural symbolism proposed could have been understood at the time as supported by medieval texts and its context since it is context that can confer specific meaning the introduction locates the study in its critical context and summarizes christian platonism as it determined the meaning of number and geometry the investigation opens with the recurrent symbolism of the dome and the cube as heaven and earth in the byzantine world and moves to the duality of the temple and the body in the east and west as reflections of plato's universal macrocosm and human microcosm the study then examines each of the figures of platonic geometry in the architecture of the west against the background of their mathematics and metaphysics before proceeding to their synthesis with the circle as seen in circular and polygonal structures the divisions of circles in christian art and their display in window tracery culminating in the rose window in view of the multivalency of the symbolism the investigation establishes systematic occurrences of it which strongly suggest patterns of thought underlying systems of design the book concludes with a series of test cases which show the after life of the same symbolism as it overlapped with the renaissance

Eastern Medieval Architecture

2019-09-23

this book is the first devoted to the important innovations in architecture that took place in western europe between the death of emperor justinian in ad 565 and the tenth century during this period of transition from late antiquity to the middle ages the early christian basilica was transformed in both form and function charles b mcclendon draws on rich documentary evidence and archaeological data to show that the buildings of these three centuries studied in isolation but rarely together set substantial precedents for the future of medieval architecture he looks at buildings of the so called dark ages monuments that reflected a new assimilation of seemingly antithetical barbarian and classical attitudes toward architecture and its decoration and at the

grand and innovative architecture of the carolingian empire the great romanesque and gothic churches of subsequent centuries owe far more to the architectural achievements of the early middle ages than has generally been recognized the author argues

Medieval Art and Architecture after the Middle Ages

2009-01-14

anatolia was home to a large number of polities in the medieval period given its location at the geographical and chronological juncture between byzantines and the ottomans its story tends to be read through the seljuk experience this obscures the multiple experiences and spaces of anatolia under the byzantine empire turko muslim dynasties contemporary to the seljuks the mongol ilkhanids and the various beyliks of eastern and western anatolia this book looks beyond political structures and towards a reconsideration of the interactions between the rural and the urban an analysis of the relationships between architecture culture and power and an examination of the region s multiple geographies in order to expand historiographical perspectives it draws on a wide variety of sources architectural artistic documentary and literary including texts composed in several languages arabic armenian byzantine greek persian and turkish original in its coverage of this period from the perspective of multiple polities religions and languages this volume is also the first to truly embrace the cultural complexity that was inherent in the reality of daily life in medieval anatolia and surrounding regions

Studies in Medieval Islamic Architecture

2001

a photographic essay on early medieval and romanesque architecture in italy and croatia architect jong soung kimm s born 1935 photographic series captures early medieval and romanesque design elements found on the italian peninsula and adriatic seashore featured buildings include san miniato al monte florence sant abbondio como and santa maria la nuova monreale

The Medieval Architecture of Chester

1858

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Medieval Architecture

1966

The Origins of Medieval Architecture

2005-01-01

Medieval architecture

1969

Secular Medieval Architecture in the Balkans 1300-1500 and Its Preservation

1997

Architecture and Landscape in Medieval Anatolia, 1100-1500

2017-03-08

Medieval Architecture

1968

Medieval Architecture

1969

Medieval Architecture Its Origins and Development, with Lists of Monuments and Bibliographies

1909

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2018

Architect Jong Soung Kimm's Early Medieval and Romanesque Architecture

2021-12-21

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