

THE HISTORY OF ARCHITECTURE

FROM PREHISTORIC TO MODERN TIMES



the seventh Album:
**THE MEDIEVAL EUROPEAN
ARCHITECTURE**



Albums of characteristic examples for the Educational course

by Dr. Konstantin I.Samoilov

Almaty, 2017

This series of albums generated for information purposes of the Educational course "The General History of Architecture": 2 credits / 30 hours of lectures.

Until the mid-19th century, examples are grouped by region. In this period, the phenomenon of a single world architectural process begins to manifest itself. Since the last third of the 19th century, examples have been grouped by decades.

Thirty albums illustrate the following topics:

- the 1st Album: EDUCATIONAL AND SCIENTIFIC-THEORETICAL SOURCES
- the 2nd Album: THE PREHISTORIC ERA'S ARCHITECTURE
- the 3rd Album: THE ANCIENT EGYPTIAN ARCHITECTURE
- the 4th Album: THE ANCIENT MESOPOTAMIAN ARCHITECTURE
- the 5th Album: THE ANCIENT GREEK ARCHITECTURE
- the 6th Album: THE ANCIENT ROMAN ARCHITECTURE
- **the 7th Album: THE MEDIEVAL EUROPEAN ARCHITECTURE**
- the 8th Album: THE EUROPEAN RENAISSANCE'S ARCHITECTURE
- the 9th Album: THE MEDIEVAL MAGHREB'S, THE NEAR EASTERN AND THE CAUCASUS'S ARCHITECTURE
- the 10th Album: THE MEDIEVAL CENTRAL ASIAN ARCHITECTURE
- the 11th Album: THE MEDIEVAL CHINESE ARCHITECTURE
- the 12th Album: THE MEDIEVAL SOUTHEAST AND EAST ASIAN ARCHITECTURE
- the 13th Album: THE MEDIEVAL CENTRAL AMERICAN ARCHITECTURE
- the 14th Album: THE EASTERN EUROPE MIDDLE AGES AND NEW TIMES ARCHITECTURE
- the 15th Album: THE WESTERN EUROPEAN AND THE NORTH AMERICAN NEW TIMES ARCHITECTURE

- the 16th Album: THE WORLD'S ARCHITECTURE OF THE 1870's
- the 17th Album: THE WORLD'S ARCHITECTURE OF THE 1880's
- the 18th Album: THE WORLD'S ARCHITECTURE OF THE 1890's
- the 19th Album: THE WORLD'S ARCHITECTURE OF THE 1900's
- the 20th Album: THE WORLD'S ARCHITECTURE OF THE 1910's
- the 21st Album: THE WORLD'S ARCHITECTURE OF THE 1920's
- the 22nd Album: THE WORLD'S ARCHITECTURE OF THE 1930's
- the 23rd Album: THE WORLD'S ARCHITECTURE OF THE 1940's
- the 24th Album: THE WORLD'S ARCHITECTURE OF THE 1950's
- the 25th Album: THE WORLD'S ARCHITECTURE OF THE 1960's
- the 26th Album: THE WORLD'S ARCHITECTURE OF THE 1970's
- the 27th Album: THE WORLD'S ARCHITECTURE OF THE 1980's
- the 28th Album: THE WORLD'S ARCHITECTURE OF THE 1990's
- the 29th Album: THE WORLD'S ARCHITECTURE OF THE 2000's
- the 30th Album: THE WORLD'S ARCHITECTURE OF THE 2010's

Examples are distributed in chronological order of the construct completion.

Images sources are indicated directly near with illustrations on each page.

Architects and companies listed on the basis of aggregate data from different sources (for some objects from various sources indicate different authors). About some buildings listed authors in the available sources has not yet been found.

The Author expresses his gratitude to Internet resources – <https://www.google.com> ; <https://www.wikipedia.org> – which to provide the ability to collect an information.

The 7th Album's front cover:

The Porphyrogenitus Palace / the New Blachernae Palace / now the Tekfur-Sarayı, Constantinople town, 13th century -

https://upload.wikimedia.org/wikipedia/commons/thumb/4/42/Palace_of_Porphrogenitus_2007.jpg/1024px-Palace_of_Porphrogenitus_2007.jpg

Notre-Dame de Reims / Our Lady of Reims Cathedral, Reims, France, 1275 -

https://upload.wikimedia.org/wikipedia/commons/thumb/e/e1/Reims_Kathedrale.jpg/800px-Reims_Kathedrale.jpg

The Beaumaris Castle / Castell Biwmares, Isle of Anglesey, Wales, 1330 -

https://upload.wikimedia.org/wikipedia/commons/f/ff/SDJ_Harlech_Castle_Gatehouse.jpg

The Doge's Palace / Palazzo Ducale, Venice, 1424 (Arch. Filippo Calendario) - <http://traveldigg.com/wp-content/uploads/2016/06/Doges-Palace-Venice-Photo.jpg>

Purpose of the 7th Lecture:

To study the basic features of the Medieval European Architecture.

Tasks of the 7th Lecture:

- To consider characteristic examples of specifically organized spaces and buildings;
- To accentuate the features of construction depending on the availability of building materials;
- To emphasize the difference between cult and dwelling buildings.

Tasks for the self-research work:

1. Study the change in the nomenclature of buildings and structures during the evolution of the Medieval Europe architecture
2. Analyze geometric parameters of main types of structures and buildings.

Questions for the self-preparation:

1. Accentuate the features of different building of the Byzantine architecture
2. The European Architecture of post Roman period

Themes of abstracts (16 pages, 40 000 characters, A4 format):

1. The evolution of the French Gothic Architecture
2. The evolution of the British Gothic Architecture
3. The evolution of the Germanic Gothic Architecture

Examples for the 7th Lecture:

7.1 The Medieval Europe: the Map and the Periodisation

7.2 The Basilica Cistern, Constantinople town, 532

7.3 The Saint Sophia's basilica, Constantinople town, 537 (Arch. Isidore of Miletus, Anthemius of Tralles, Isidorus the Younger as rebuilder)

7.4 The Porphyrogenitus Palace / the New Blachernae Palace / now the Tekfur-Sarayı, Constantinople town, 13th century

7.5 Gothic architecture elements

7.6 Notre-Dame de Reims / Our Lady of Reims Cathedral, Reims, France, 1275

7.7 The Beaumaris Castle / Castell Biwmares, Isle of Anglesey, Wales, 1330

7.8 The St.Stephen's Cathedral / Stephansdom, Vienna, Austria, 1365

7.9 The Doge's Palace / Palazzo Ducale, Venice, 1424 (Arch. Filippo Calendario)

7.10 The Cathedral Church of Saint Andrew / the Wells Cathedral, Somerset, Wells, 1490

7.1 The Medieval Europe: the Map and the Periodisation

Periodization...

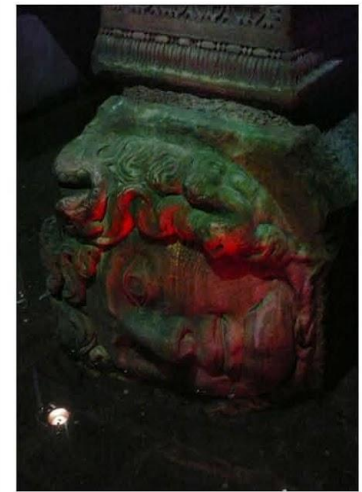
Early Middle Ages: 500 - 1000

High Middle Ages: 1000 - 1250

Late Middle Ages: 1250 - 1500

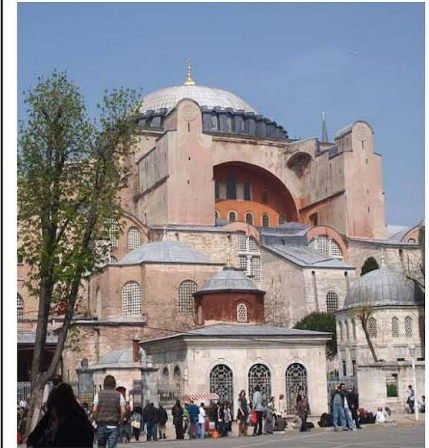
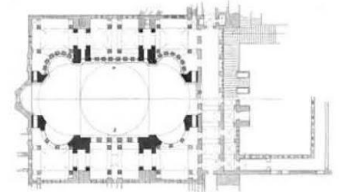
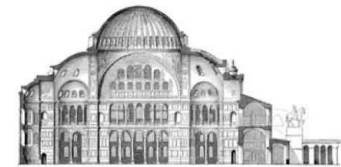
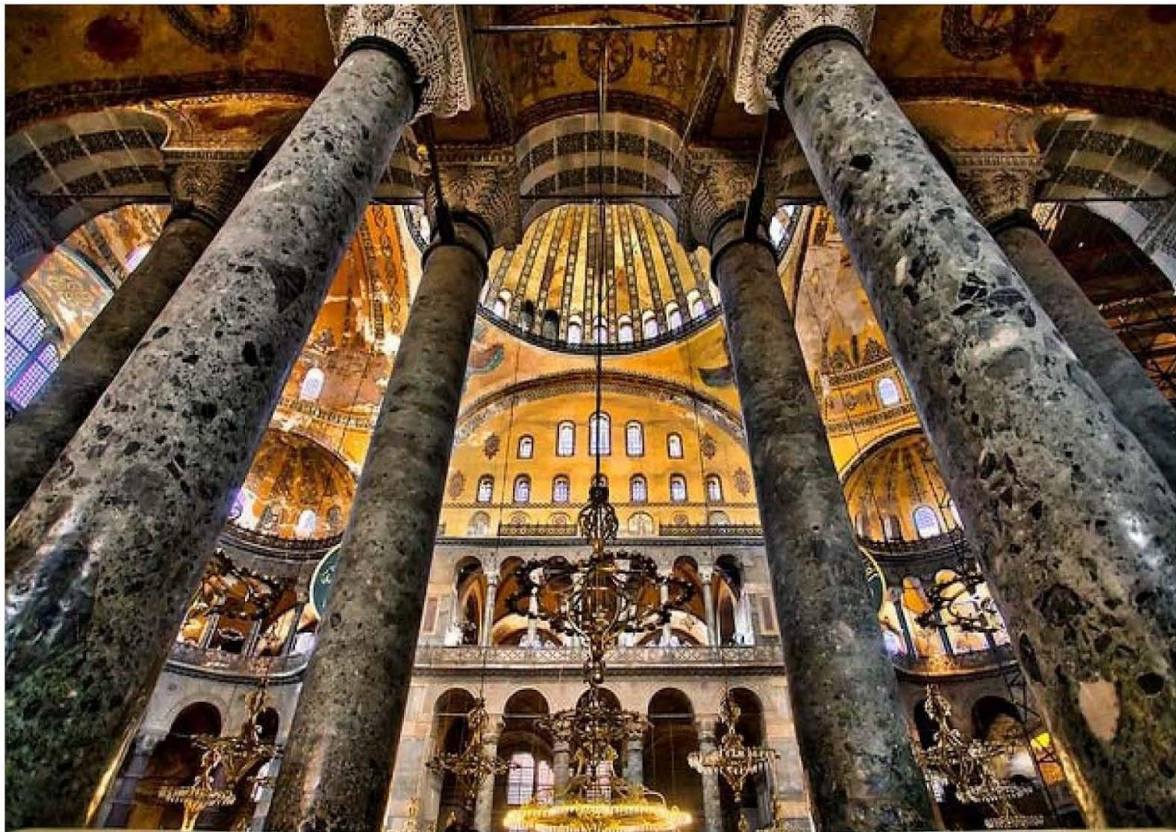
Sources: <http://www.medievalages.net/wp-content/uploads/2013/07/medieval-europe.jpg>; http://images.slideplayer.com/24/6984690/slides/slide_4.jpg

7.2 The Basilica Cistern, Constantinople town, 532



Sources: <http://mservicesdesignbuild.com/blog/wp-content/uploads/2015/01/Basilica-Cistern-960x642.jpg> ;
https://upload.wikimedia.org/wikipedia/commons/thumb/1/1b/Head_of_Medusa%2C_Basilica_Cistern%2C_Constantinople_01.jpg/1280px-Head_of_Medusa%2C_Basilica_Cistern%2C_Constantinople_01.jpg ;
https://upload.wikimedia.org/wikipedia/commons/thumb/7/79/Head_of_Medusa%2C_Basilica_Cistern%2C_Constantinople_02.jpg/800px-Head_of_Medusa%2C_Basilica_Cistern%2C_Constantinople_02.jpg

7.3 The Saint Sophia's basilica, Constantinople town, 537 (Arch. Isidore of Miletus, Anthemius of Tralles, Isidorus the Younger as rebuilder)



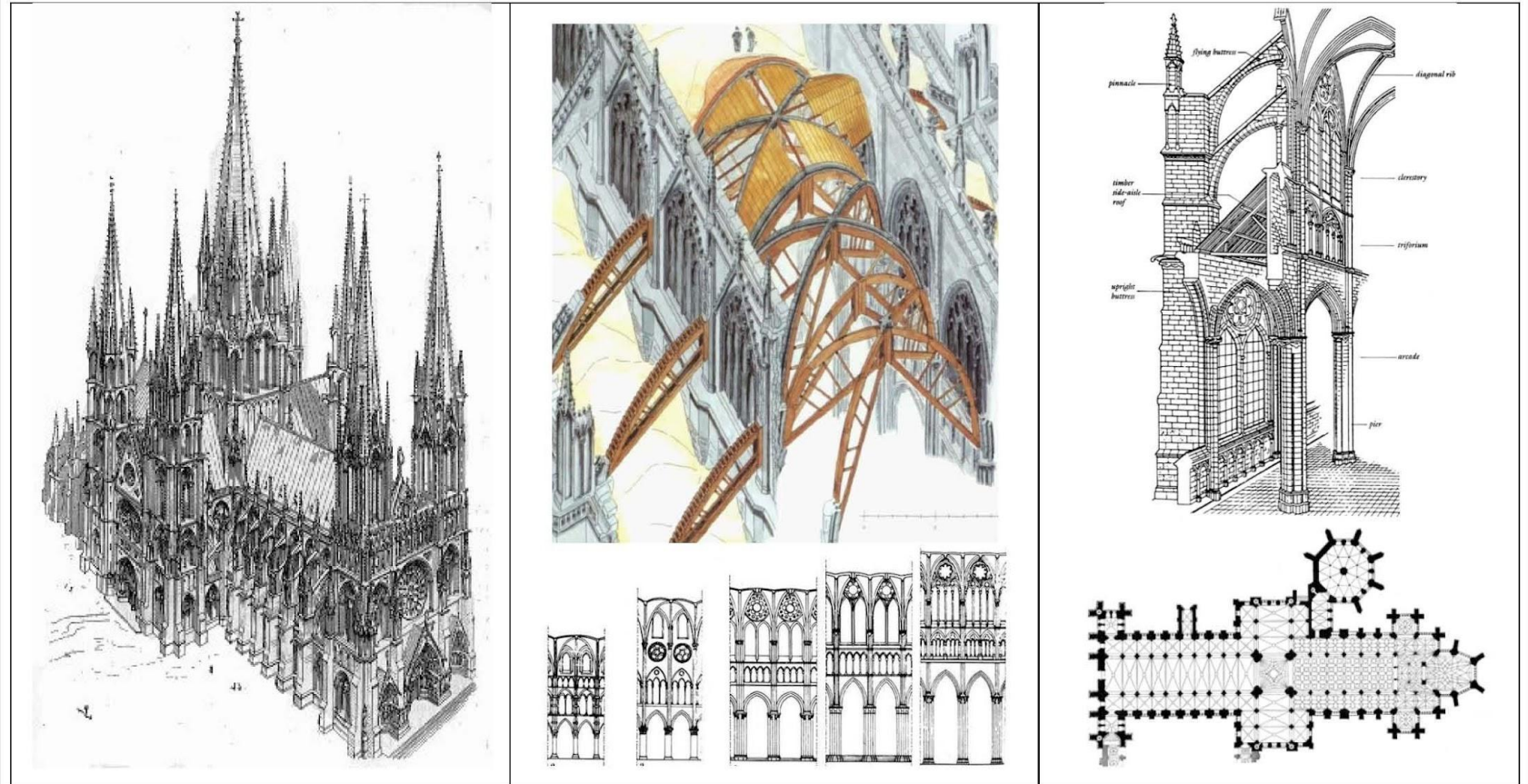
Sources: <http://arounddeglobe.com/wp-content/uploads/2014/10/Hagia-Sophia-Interior-Columns.jpg> ;
<https://www.historvius.com/images/original/1479-Hagia-Sophia-1E.jpg> ; <http://2.bp.blogspot.com/-ch4Np0wz4w/UJniMLrD3YI/AAAAAAAAA84/i6KWVwt84s/s1600/Hagia-Sophia-cross+section.jpg> ;
<https://upload.wikimedia.org/wikipedia/commons/thumb/b/b7/Hagia-Sophia-Grundriss.jpg/1920px-Hagia-Sophia-Grundriss.jpg>

7.4 The Porphyrogenitus Palace / the New Blachernae Palace / now the Tekfur-Sarayı, Constantinople town, 13th century



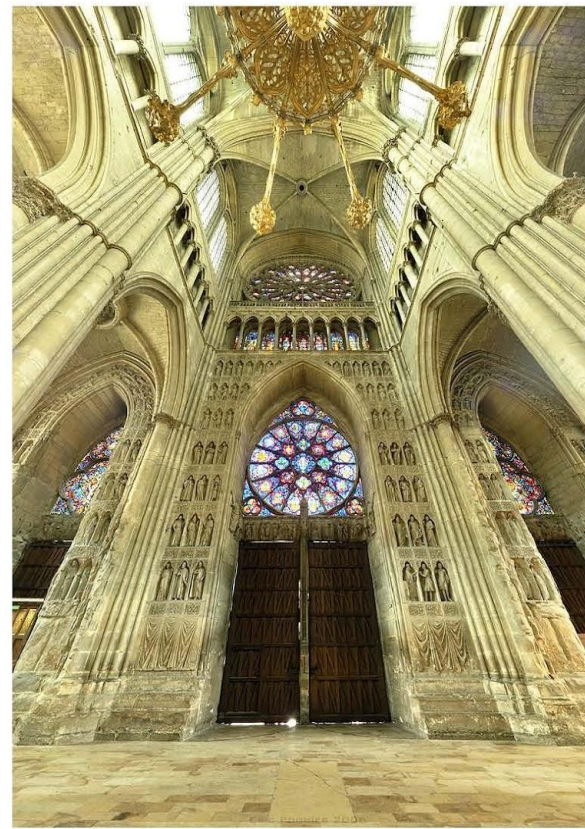
Sources: https://upload.wikimedia.org/wikipedia/commons/thumb/4/42/Palace_of_Porphrogenitus_2007.jpg/1024px-Palace_of_Porphrogenitus_2007.jpg ; <http://www.onceuponatimebyzantium.com/wp-content/uploads/2015/10/Tekfur-Sarayı.jpg>

7.5 Gothic architecture elements



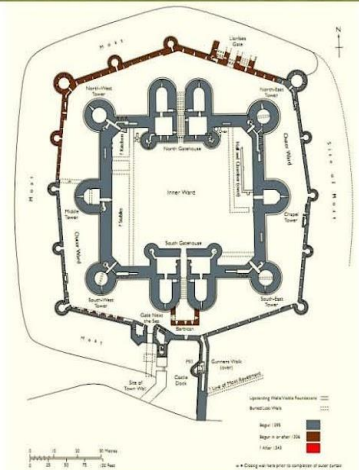
Sources: http://www.bc.edu/bc_org/avp/cas/fnart/arch/gothic/gothic.jpg ; <http://www.cathedralquest.com/images/gothicvaults.jpg> ; <http://www.kadvacorp.com/wp-content/uploads/2015/01/Gothic-Architectural-Style-Characteristics.jpg> ; https://s3.amazonaws.com/classconnection/40/flashcards/3149040/png/screen_shot_2015-01-25_at_71431_pm-14B24F4F71C43B724F3.png ; <http://www.medart.pitt.edu/image/England/Wells/cathedral-complex/Cathedral/Plans/df426wells-b.jpg>

7.6 Notre-Dame de Reims / Our Lady of Reims Cathedral, Reims, France, 1275



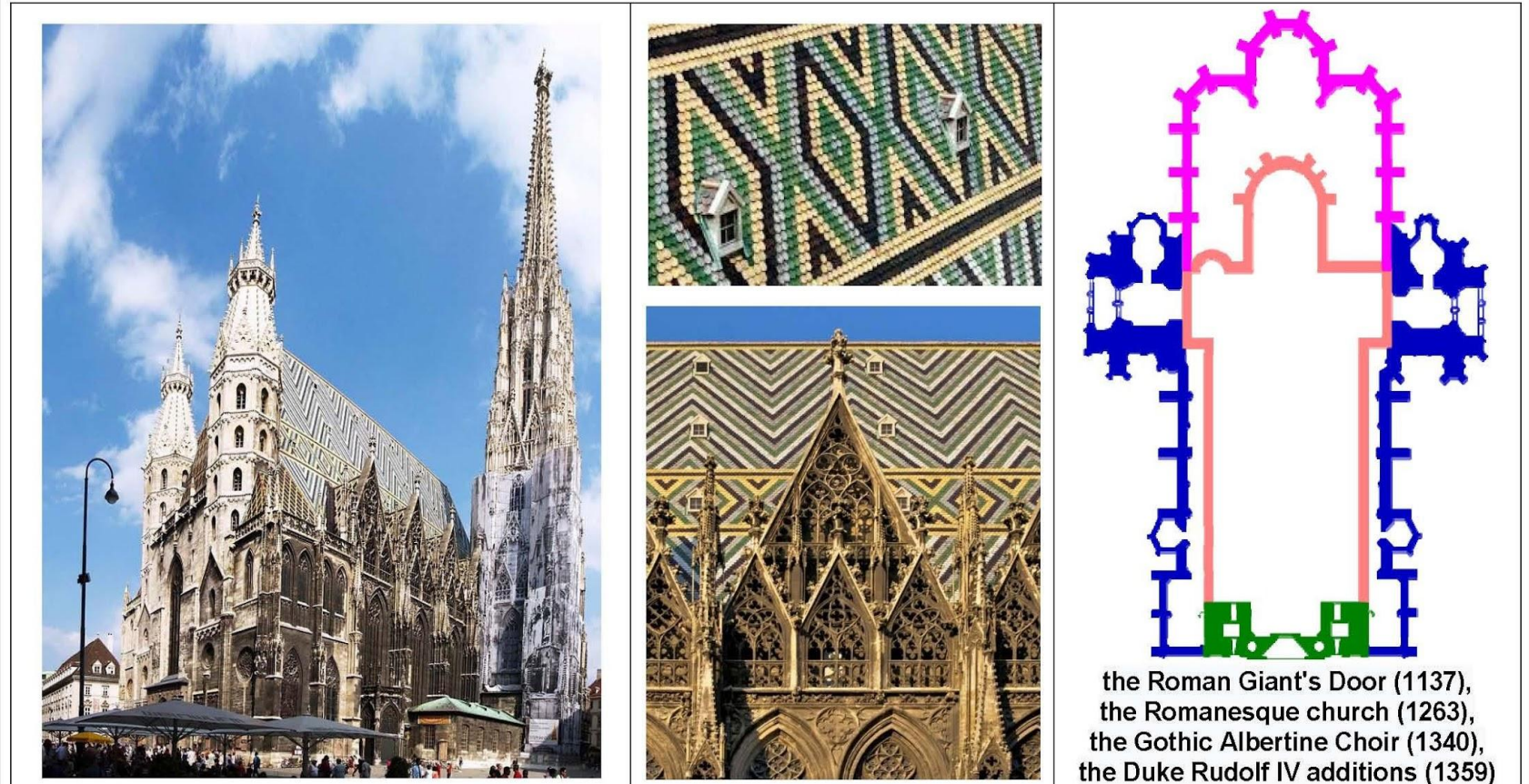
Sources: https://upload.wikimedia.org/wikipedia/commons/thumb/e/e1/Reims_Kathedrale.jpg/800px-Reims_Kathedrale.jpg ;
https://upload.wikimedia.org/wikipedia/commons/0/0f/Cathedrale_de_Reims_1.jpg ;
https://upload.wikimedia.org/wikipedia/commons/thumb/c/ca/Cath%C3%A9drale_de_Reims_%E2%80%94_Nef.jpg/800px-Cath%C3%A9drale_de_Reims_%E2%80%94_Nef.jpg ;

7.7 The Beaumaris Castle / Castell Bwmares, Isle of Anglesey, Wales, 1330



Sources: <https://upload.wikimedia.org/wikipedia/commons/thumb/2/28/Beaumaris-01s.jpg/1280px-Beaumaris-01s.jpg> ; https://upload.wikimedia.org/wikipedia/commons/0/08/Beaumaris_Castle_-_geograph.org.uk_-_1140107.jpg ; https://upload.wikimedia.org/wikipedia/commons/fff/SDJ_Harlech_Castle_Gatehouse.jpg ; https://upload.wikimedia.org/wikipedia/commons/3/36/Beaumaris_plan%2C_Cadw.jpg

7.8 The St.Stephen's Cathedral / Stephansdom, Vienna, Austria, 1365

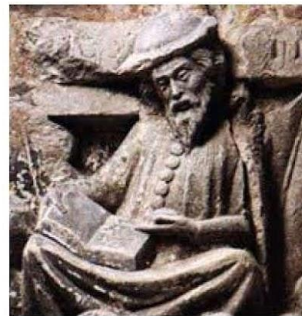


The image is a composite of three parts. On the left is a photograph of the exterior of St. Stephen's Cathedral in Vienna, showing its Gothic architecture and the tall, spire-like tower. In the top right is a close-up photograph of the cathedral's roof, which is covered in colorful tiles (green, yellow, and black) arranged in a geometric pattern. In the bottom right is a color-coded architectural floor plan of the cathedral, showing the layout of the nave, choir, and various chapels. The plan is color-coded: the main nave is red, the choir is blue, and the various chapels and side structures are green.

the Roman Giant's Door (1137),
the Romanesque church (1263),
the Gothic Albertine Choir (1340),
the Duke Rudolf IV additions (1359)

Sources: https://upload.wikimedia.org/wikipedia/commons/thumb/4/40/Stephansdom_B.jpg/792px-Stephansdom_B.jpg ; https://encrypted-tbn1.gstatic.com/images?q=tbn:ANd9GcR3x2iAc4PtJ-NZm8VcqaSpiYufk1Cqgv8to1_TISbtgVQxy9 ; https://upload.wikimedia.org/wikipedia/commons/c/cb/Structures_roofs_St_Stephen's_cathedral_Vienna_modify%C3%A9-2.jpg ; <https://upload.wikimedia.org/wikipedia/commons/thumb/1/10/StephansdomBauHistorie.svg/455px-StephansdomBauHistorie.svg.png>

7.9 The Doge's Palace / Palazzo Ducale, Venice, 1424 (Arch. Filippo Calendario)



Sources: <http://traveldigg.com/wp-content/uploads/2016/06/Doges-Palace-Venice-Photo.jpg> ; <http://www.planetware.com/photos-large/I/italy-venice-doges-palace-porta-della-carta.jpg> ; <http://www.visual-arts-cork.com/images-sculptures/calendario-capital.jpg> ; <https://77178c0c1bfc830710b-a90232e8849973b84abab337e6d8a01a.ssl.cf1.rackcdn.com/10/5/large.jpg>

7.10 The Cathedral Church of Saint Andrew / the Wells Cathedral, Somerset, Wells, 1490



Sources: https://upload.wikimedia.org/wikipedia/commons/thumb/4/4f/Wells_cathedral_16.JPG/1280px-Wells_cathedral_16.JPG ;
https://upload.wikimedia.org/wikipedia/commons/thumb/1/12/Wells_Cathedral_east_end_from_reflecting_pool_edit_1.jpg/1280px-Wells_Cathedral_east_end_from_reflecting_pool_edit_1.jpg ;
https://upload.wikimedia.org/wikipedia/commons/thumb/f/f/Wells_Cathedral_West_Front_Exterior%2C_UK_-_Diliff.jpg/1024px-Wells_Cathedral_West_Front_Exterior%2C_UK_-_Diliff.jpg

Recommended educational and scientific-theoretical sources:

1. *Byzantine architecture / From Wikipedia, the free encyclopedia/ - URL: https://en.wikipedia.org/wiki/Byzantine_architecture*
2. *Hagia Sophia / From Wikipedia, the free encyclopedia. - URL: https://en.wikipedia.org/wiki/Hagia_Sophia*
3. *Gothic architecture / From Wikipedia, the free encyclopedia. - URL: https://en.wikipedia.org/wiki/Gothic_architecture*
4. *Reims Cathedral / From Wikipedia, the free encyclopedia. - URL: https://en.wikipedia.org/wiki/Reims_Cathedral*
5. *Wells Cathedral / From Wikipedia, the free encyclopedia/ - URL: https://en.wikipedia.org/wiki/Wells_Cathedral*
6. *Doge's Palace / From Wikipedia, the free encyclopedia. - URL: https://en.wikipedia.org/wiki/Doge's_Palace*
7. *St. Stephen's Cathedral, Vienna / From Wikipedia, the free encyclopedia. - URL: https://en.wikipedia.org/wiki/St._Stephen's_Cathedral,_Vienna*
8. *Beaumaris Castle / From Wikipedia, the free encyclopedia. - URL: https://en.wikipedia.org/wiki/Beaumaris_Castle*

Briefly about the Author



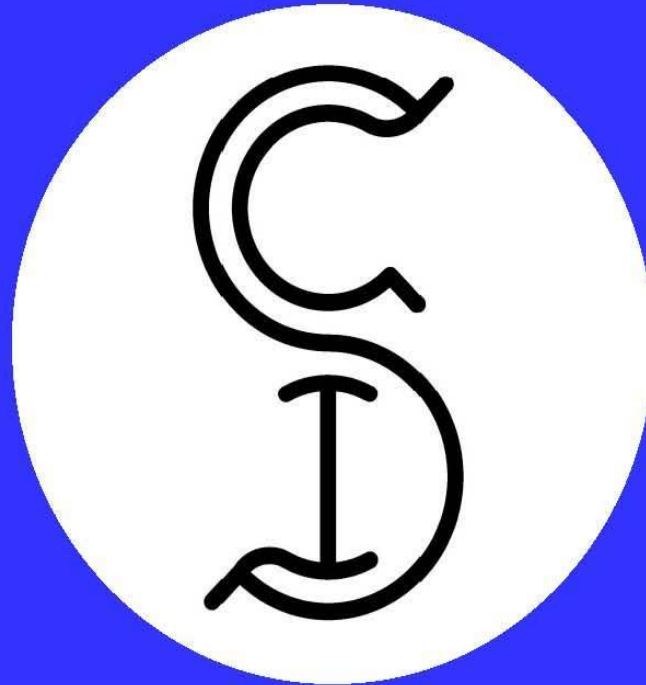
Konstantin I. SAMOILOV

High Doctorate (Arch) – 2008,
Doctor of Sciences (Arch) – 2004,
Candidate of Sciences / eq. PhD(Arch) – 1990,
Dipl. Arch. / eq. MArch – 1983,
Dipl. Tech. Arch. / eq. BArch – 1977



Associate Professor of the Architectural Faculty –
Kazakh Leading Academy of Architecture and Civil Engineering –
www.kazgasa.kz

E: samconiv@yahoo.com , samconiv@mail.ru



THE HISTORY OF ARCHITECTURE FROM PREHISTORIC TO MODERN TIMES:
Albums of characteristic examples for the Educational course / by Dr. Konstantin I.Samoilov. –
The seventh Album: THE MEDIEVAL EUROPEAN ARCHITECTURE. – Almaty, 2017. – 18 p.