Christopher Alexander

and the Center for Environmental Structure Archive



Christopher Alexander and his one Theory

The way Alexander's thoughts evolved from the 1960's to 2000's

PUARL 2018 Confrence - University of Oregon Oct.26 - Oct. 28

Artemis Anninou, Ph.D Archive project manager CES board member

The ultimate purpose of the archive is to preserve Chris' legacy and spread it further to younger generations of architects, scholars and researchers

		Alexande	er's Professional, Scien	itific, and Hands-on D	Disciplines		
The Scientist and Author	The Teacher and Professor at UCB	The CES Chairman	The Architect, the Builder and General Contractor	The Public Figure	The Art Collector	The Craftsman and Painter	And Chris
1959 First Article published in RIBA	1963	1967	1962 Village Elementary School, Brava, India	1962 Conference on Design Methods, London	1970s ???	1970s ???	born on 1936 in Vienna, Austria
Research and	Teaching and	Founding and	Design and	Participating in	Collecting Great Art	Making Art	
Writing	Research	running CES	Construction	Public Events			
Did research, wrote and	Taught Architecture for 38	On Etna Street,	Built works in four	Participated in	Bought some 40 carpets	Oil paintings and	* Raised in Oxford and
published:	years:	on Shasta Road,	continents:	conferences and gave	over a period of thirty	watercolors	Chichester
* 18 books	* numerous students from		 * 35 building projects 	lectures:	years	Wood carving	* Top open scholarship to
* over 200 articles in	all over the world	close to the corner of	with over 50 individual	* approximately 30; he	Almost all early Turkish	Painting on wooden panels	Trinity College, Cambridge
technical journals		Cedar and Shattuck,	buildings	declined a lot	carpets		in chemistry and physics
Wrote, but did not	Held research positions in	on Shasta again,	Promoted active	Organized & participated	"so the carpet, as an	Hand-painted tiles	* And went on to read
publish:	institutions of great	then in Meadow Lodge.	experimentation on	in exhibits:	artifact, is a teacher,		mathematics and
	renown:	In Japan also in between	construction techniques,	* the first one in Japan in		Hand-made terrazzo tiles	* He earned his doctorate in
* numerous CES papers	* Visiting Fellow, Rockefeller	between	details, materials and color Design projects in four	1970 * in total about a dozen		Making of furniture pieces	architecture at Harvard (th
and reports	Foundation		continents:	in total about a dozen		and objects	first awarded there)
Others wrote and	* Research Professor in the	And over hundred staff	* Over 100 projects	One publisized debate		Poster designs	* And was elected to the
published about him:	Humanities, UCB	and students: Americans.	- public structures	and many interviews		Poster designs	Society of Fellows at
two books	* Center for Cognitive	Israelis, Canadians,	 * - town and community 	One film was shot on his			Harvard University
	Studies, Harvard	Indians, Greeks, Japanese,	planning schemes	life and architecture			nurvaru oniversity
over ten dozens of	* Joint Center for Urban	Germans, French, English,	 * - neighborhood design 	Was on radio and TV			* He received numerous an
articles reviewing his	Studies, Harvard & MIT		- office furniture design	broadcasts in the US,			prestigious awards and
writings	,		- public buildings	Japan and Finland			honours
* more than 300 articles on			* - low cost housing				
him and his works			- private houses				

The archival material												
2	3	4	5	6	7	8						
UNIVERSITY & TEACHING RECORDS	OFFFICE RECORDS	PROJECT RECORDS	PUBLIC EVENTS RECORDS	RECORDS OF ART COLLECTIONS	PERSONAL WORKS OF ART	PERSONAL RECORDS						
 * Course Teaching Material * Students' work * Ph.D Dissertations * M. ARCH Thesis * University Records * Teaching Awards * Notes 	 * Office Legal Records * Office Financial Records * Office Administration Records * Correpondence * Contracts * Portfolios * Grant Proposals * Photographs * CES Colleagues * Computer Backup Tapes, CDs, Disks, etc 	 * Projects * Drawings * Models * Project Reports * Project Photographs * Project Awards * Pieces of Mockups * Engineering Reports * Engineering Data & Calcs * Project Contracts * Project Budgets * Correpondence * Project Notes * Project Meeting Notes * Project Meeting Notes 	* Exhibits * Charettes * Conferences & Symposiums * Lectures & Seminars * Interviews * Seminar Proceedings * Lecture Transcripts * Interview Transcripts * Debate Transcripts * Debate Transcripts * Videos * Audio Tapes * Correpondence * Brochures * Destarr	 * Very Early Turkish Carpets * Paintings * Unique Artifacts * Design Tools * Construction Tools * Correpondence * Purchase Deeds 	* Works of Art * Works of Art Embedded in Projects	* Personal Notebooks & Sketchbooks * Student Works * Personal Photographs * Personal Notes * CVs * Awards						
	RECORDS * Course Teaching Material * Students' work * Ph.D Dissertations * M. ARCH Thesis * University Records * Teaching Awards	RECORDS* Office Legal Records * Office Financial* Course Teaching Material* Office Legal Records * Office Financial* Students' workRecords* Ph.D Dissertations* Office Administration Records* M. ARCH Thesis* Office Administration Records* University Records* Correpondence* Teaching Awards* Contracts* Notes* Portfolios * Grant Proposals * Photographs * CES Colleagues * Computer Backup	234UNIVERSITY & TEACHING RECORDSOFFFICE RECORDSPROJECT RECORDS* Course Teaching Material* Office Legal Records * Office Financial* Projects * Drawings* Students' workRecords* Models* Ph.D Dissertations* Office Administration * Office Administration* Project Reports* M. ARCH ThesisRecords* Project Photographs* Luniversity Records* Correpondence* Project Awards* Teaching Awards* Contracts* Pieces of Mockups* Notes* Portfolios* Engineering Reports* Records* Portfolios* Engineering Data & Calcs* Photographs* Cocrepondence* Project Contracts* Contracts* Correpordence* Project Contracts* Contracts* Contracts* Engineering Reports* Contracts* Contracts* Engineering Data & Calcs* Photographs* Project Contracts* Correpondence* CES Colleagues* Project Budgets* Computer Backup* Correpondence* Tapes, CDs, Disks, etc* Project Notes	2345UNIVERSITY & TEACHING RECORDSOFFFICE RECORDSPROJECT RECORDSPUBLIC EVENTS RECORDS* Course Teaching Material* Office Legal Records * Office Financial* Projects * Drawings* Exhibits * Charettes* Students' work * Ph.D Dissertations* Office Administration * Office Administration* Project Reports * Project Reports* Lectures & Seminars * Lectures & Seminars* M. ARCH Thesis * University Records* Correpondence* Project Awards* Seminar Proceedings* Teaching Awards * Notes* Contracts* Pieces of Mockups* Lecture Transcripts* Notes* Portfolios * Grant Proposals* Engineering Reports * Engineering Data & Calcs* Debate Transcripts* Photographs * CES Colleagues * Computer Backup Tapes, CDs, Disks, etc* Project Notes * Project Meeting Notes * Project Meeting Notes * Prosentation Boards* Ofriees * Posters	23456UNIVERSITY & TEACHING RECORDSOFFFICE RECORDSPROJECT RECORDSPUBLIC EVENTS RECORDSRECORDS* Course Teaching Material* Office Legal Records * Office Financial * Office Administration * M. ARCH Thesis* Office Financial * Office Administration Records* Project Reports * Project Reports * Project Photographs* Conferences & Symposiums * Lectures & Seminars 	234567UNIVERSITY & TEACHING RECORDSOFFFICE RECORDSPROJECT RECORDSPUBLIC EVENTS RECORDSRECORDS OF ART COLLECTIONSPERSONAL WORKS OF ART* Course Teaching Material* Office Legal Records * Office Financial * Office Financial * Office Administration * Models* Projects * Models* Exhibits * Conferences & Symposiums * Interviews* Very Early Turkish Carpets * Praintings* Works of Art * Works of Art * Works of Art * Works of Art* Dissertations * Office Administration * M. ARCH Thesis * University Records * Conrepondence* Project Reports * Project Photographs * Project Photographs * Interviews* Conferences & Symposiums * Interviews* Construction Tools * Contracts * Project Awards* Design Tools * Contracts * Project Awards* Conferences & Symposiums * Interviews* Construction Tools * Contracts * Project Reports * Interviews* Construction Tools * Purchase Deeds* Office Administration * Purchase Deeds* Purchase Deeds* Purchase Deeds* Notes* Correpondence * Project Budgets * Project Budgets * Correpondence * Project Notes * Project Budgets * Project Notes * Project Not						

There are thousands of objects in the archive

Each one will be listed in its appropriate group

Each one will be described in all available detail

Each one will be digitized as per experts guidelines

Each one of the originals will be filed in the proper cabinet

Each one of the originals will be diligently preserved; damaged ones will be restored

Each one will be easily traceable

The archive will be kept both in physical and digitized form; obviously each one will be structured differently

Items will be linked to each other, so that connections and relationships among relevant items will be set up for cross reference and overview

and the ultimate goal is the archive to be accessed by the public through a new CES website and other social media in parallel

What the digital archive will offer

One will be able to find easily the one particular item searched for

Also one will be in a position to find all items related to a particular Project (basic info, reports, drawings, photos, etc), or a particilar Book (basic info, previous manuscripts), or a particular Exhibit, and so on....

And obviously one will find groups of similar items: all books, all projects, all articles, all drawings, all photos.....

But more importandly, due to the "links" introduced in the system, one will be able to find and realize the interconnectedness among different items.

One is interested in the Mexicali Project and is searching for it in the archive. Besides the relevant drawings, photographs, agreements, cost analysis etc. related to the project, the following items will also appear:

One Book: "The Production of Houses", published by Oxford University Press

Seven Articles about the project written by others in various magazines

A Master of Architecture Thesis at U. C. Berkeley

An Interview with Christopher Alexander about the project

Eleven Articles reviewing the Book

We also envision that at some point virtual exhibits on a project or on a theme will be available

The aspiration of the CES board is to enable visitors of the archive to comprehend to the extent possible the magnitude, extent and diversity of Alexander's & CES

However, one important element needs to embrace the whole archive and be its overarching structure.

And this is how Chris' theory, deep thoughts and provocative ideas evolved and unfolded during the fifty years of his intense work and research.

Certainly, all is in the books and projects, in his writings, buildings; but for a novice it will not be easy....

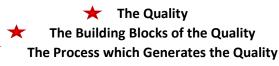
The challenge is whether the archive could guide a novice through a sequence of "gateways", starting from the "Systems Thinking" approach of the 1960's, all the way to the "Process of Creating Life" which shaped the design and construction of buildings and projects in the 1980s and 1990's

Actually this virtual trip through the "gateways" is important to all researchers, and architects, and people caring for their homes and cities; because one will realize that Chris understood deeply, and early on the importance of many aspects of design and building which today have become "hot issues" in the community of architects, planners, urban designers, as well as for community leaders, townships, activists, people who care for the quality and life of the places they live and the world they inhabit, such as sustainability, constant repair, respect for the land, involvement of the users, growth in small increments, "good materials", just to name a few.

And he advocated a new way, and did whatever it takes to prove its validity and its fitness to the world, because of its strong penchant for practical application of the theory.

His multi-faceted studies, research, experiments and buildings have afforded the foundation for his evolving understanding of a new scientific and empirical basis for judging, building and modifying the quality of our environment

The virtual trip through the "gateways" is based on the premise that there is <u>One theory</u> that evolved during these fifty years, with the following being the three fundamental & guiding ideas, with always kept the target bright and clear:

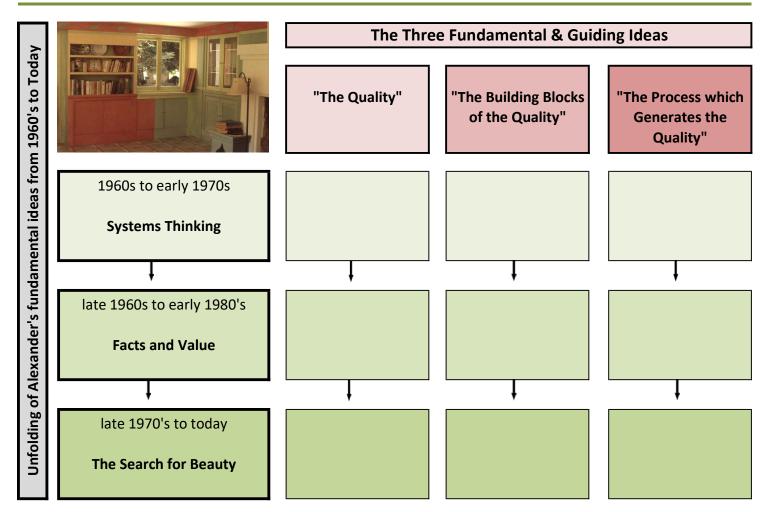


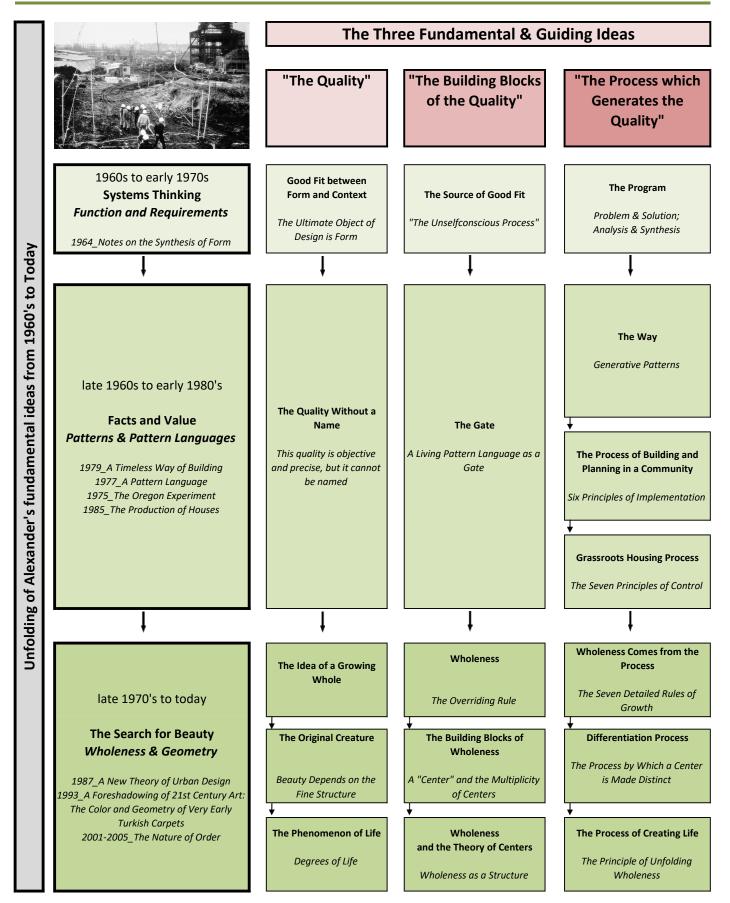
The attempt will be to show the development of the main thoughts and ideas through time; the formulations and results of each one; how success and failure led to further development. For this purpose I used, to start with, the following eight books.

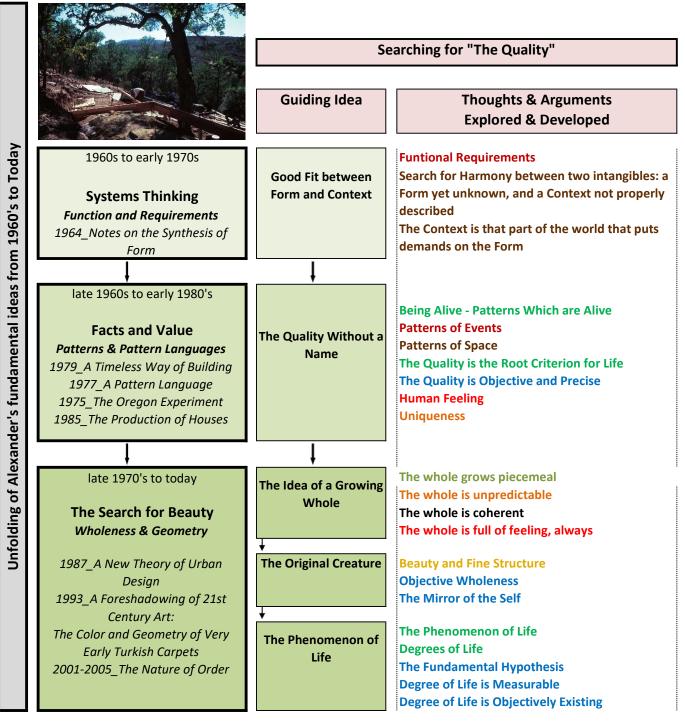
> 1964_Notes on the Synthesis of Form 1975_The Oregon Experiment 1977_A Pattern Language 1979_The Timeless Way of Building 1985_The Production of Houses 1987_A New Theory of Urban Design 1993_A Foreshadowing of 21st Century Art: The Color and Geometry of Ver Early Turkish Carpets 2001-2005 The Nature of Order

The ultimate task will be to add all published books, the major CES reports and the most important articles and papers; all these works which display the development of Chris' thoughts and ideas

In the following slides I will show you a summary of the analysis I did, which led me to a possible structure of the "gateways" and their potential content.



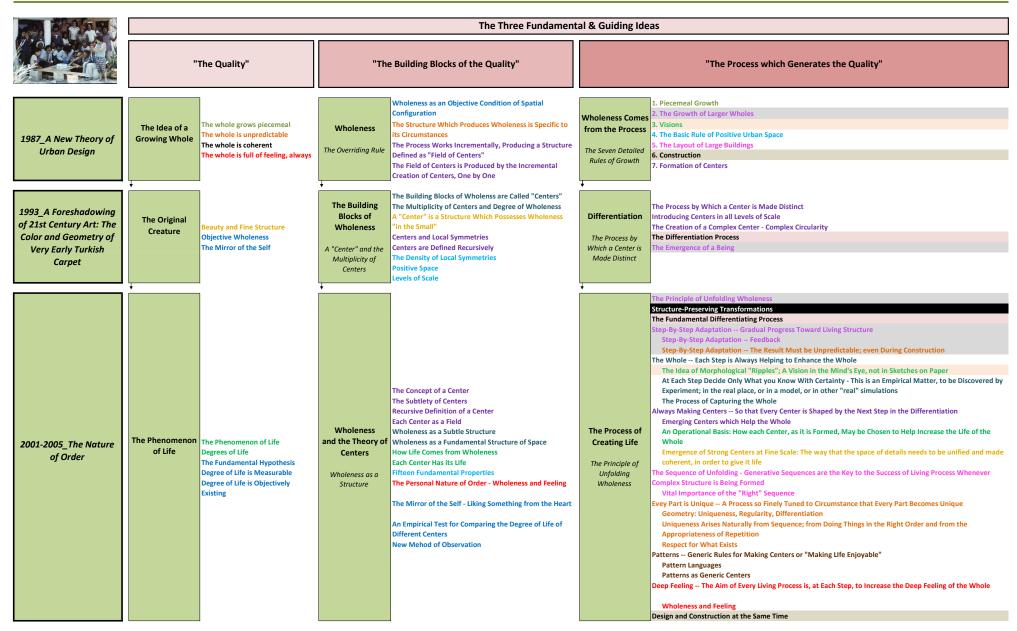


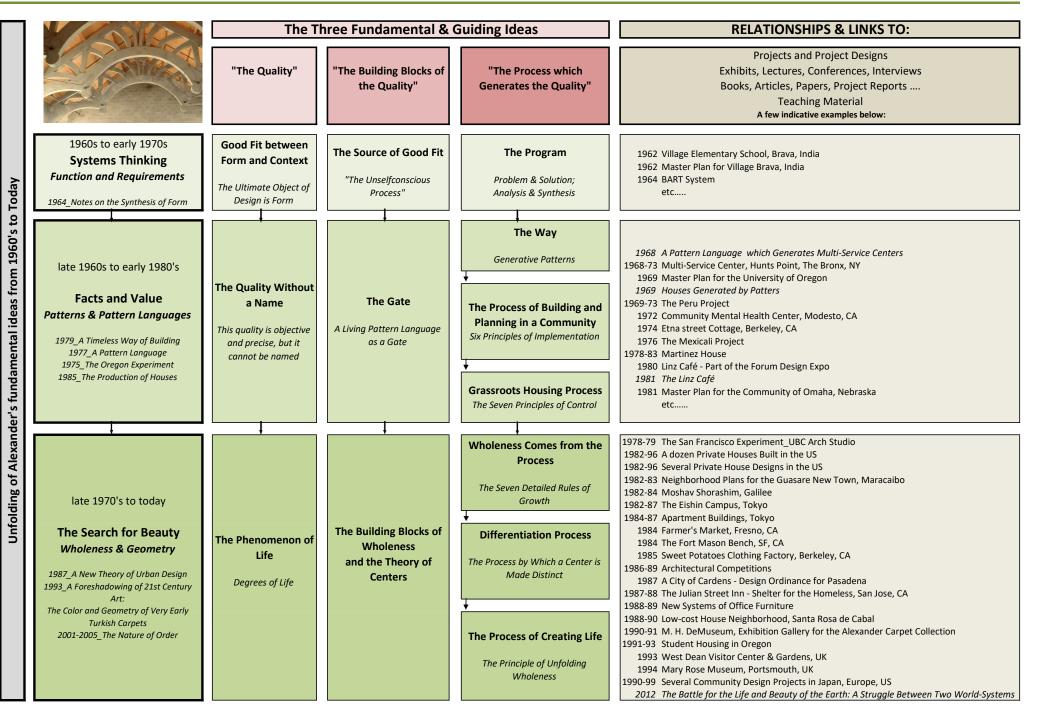


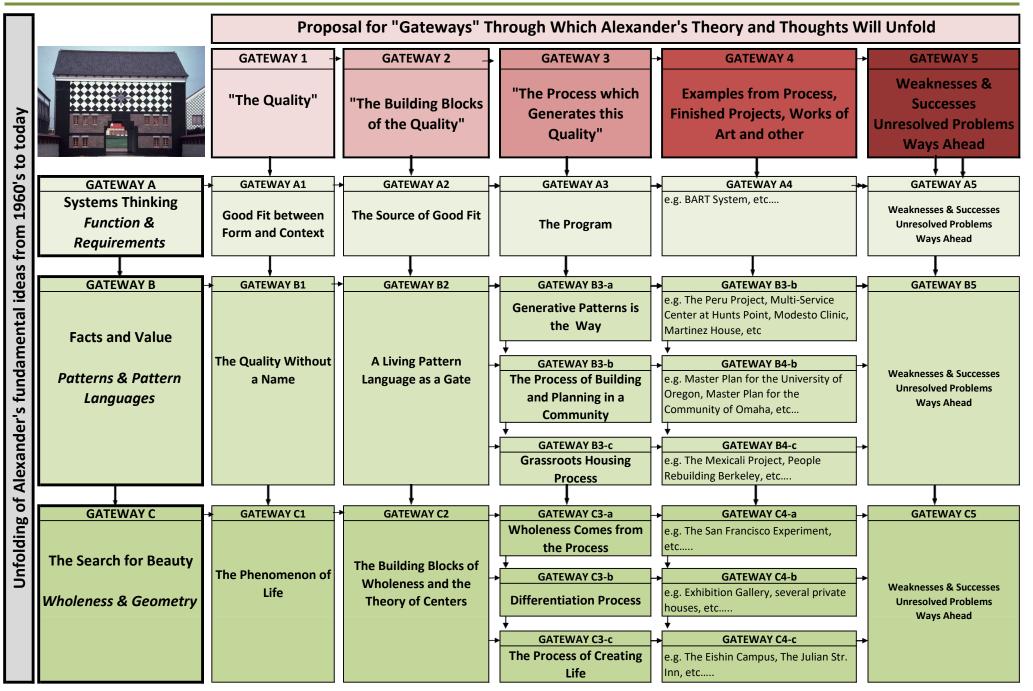
* General Framework of particular era * Titles of Books, Articles, Papers, etc. $\ensuremath{^*}$ Reference to relevant parts of books, articles, research, teaching material, etc

* Reference to relevant examples; primarily sketches, photos, carpets, art works, etc.

THE SEARCH FOR BEAUTY - WHOLENESS AND GEOMETRY: As Evolved from the late 1970s to today









Archival material still in a transient state

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Summary notes:

- The archive, as all archives, will include in a factual manner all items and objects created by Alexander and CES, described precisely as per the records held
- The archive will be organized in material form with all its originals. All archival materials will be digitized as well, to ensure longevity. And both forms are currently being developed in parallel
- The digitized archive will be made available to the public through the CES archive web site, to be launched progressively, as soon as the "kernel" of the work is ready

The CES archive web site visitor will be presented with different choices to explore it, depending on his/her interest; find one particular item, or multiple items related to a subject, or projects built in a particular area, or the work done in a specific year, and so on.

- Further to the above, the "Gateways" will present the evolvement of Alexander's theory and thoughts and will be the tool to organize the experiential virtual trip through time
- Also, the "Gateways" will provide tags to each project, each work and event, so that the visitor can relate the actual making of the work with the theoretical background that generated it

A brief account

the Alexander/CES archives project.

- In October 2017 the Center of Environmetal Structure board of directors convened in the U.K. and decided that preserving Alexander's legacy to future generations led directly to preserving the archives and making them available to the public. That was the beginning of
- * The president of the CES board of directors is Maggie Moore Alexander, and its members Lily Alexander, Hans Joachim Neis and Artemis Anninou.
- * Howard Davis is participating in the advisory board of the Alexander/CES archives project.
- * Artemis Anninou is the manager of the Alexander/CES archives project.
- * Athens Technology Center has joined the project since Sept. 2018 as CES' consultant providing services for the organization of the archives digital platform and for the development and launching of the CES archives web site.
- * The Center of Environmetal Structure is currently the sole funder of this project; however, additional funding will be necessary for its completion and finding resources will be one of CES' primary tasks.