

## Curriculum Vitae

# CURRICULUM VITAE

### Dr Stelios Kouzeleas

June 2025





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## BIOGRAPHY SUMMARY

Dr Stelios Kouzeleas



## One page resume statistical summary

(General information, Degrees, Academic & Research experience, Professional experience, Honors (scholarships, competitions, etc.)



Biography summary



#### Contact

#### Telephone

+0030 6906 93 97 35

#### **Email**

stelios\_kouzeleas@yahoo.fr

#### **Specialty**

Architect Engineer Spatial digital representations Creative design

#### Links

- https://ia.ihu.gr.kouzeleas
- www.numpoint.com
- www.google.com (search: stelios)
- Research-ResearchGate
- Portfolio Digital design
- Portfolio Architecture
- Linkedin
- Youtube

### **Specialization**

- Architecture
- **Online Spatial Applications**
- Design & Territorial marketing
- **Digital Spatial Representations**
- Computing, Multimedia, Programming
- VR AR

### Languages

Greek **French English** 

### **Dr Stelios Kouzeleas**

#### Architect Engineer

#### Associate Professor, International Hellenic University

Architect Engineer (AUTH), with 2 Masters in IT and Artificial Intelligence (Ecole d'Architecture de Nancy, France) and Digital Spatial Simulation & Room Acoustics (Ecole d'Architecture et de Paysage de Bordeaux, France), PhD in Digital Spatial Representations and Architectural simulations (Université de Bordeaux I, France), and 2 Postdoctorates with a scholarship from the EU in digital territorial marketing and in the digital representation and promotion of Ecomuseums (University of Thessaly).

#### **General information**

Specialty: Architect Engineer

Specialization: Spatial digital representations / Informatics / Multimedia / Creative design

Academic Occupation: Assistant Professor - Department of Interior Architecture - International University of Greece / Researcher Professional Occupation: Architect Engineer / Consultant for Digital Representations of Spaces & Objects / Creative Design Consultant / Consultant for Innovation, European Programs & IT / Business Development Management / Pedagogical Engineering / Public Relations

Research interests: Digital spatial representations, Multimedia, Architecture, Development of online spatial applications, CAD programming, Digital cities, VR-AR, Territorial marketing, Educational consulting

#### Degrees

- 1 Architectural Engineering Degree, AUTH
- 3 Masters (Informatics and Digital Spatial Simulation, France, Greece)
- 1 PhD (digital spatial representations field, France)
- 2 Postdoctorates (digital territorial marketing and creative planning and digital spatial representations (highlighting and promotion of Ecomuseums, Greece)
- 8 Academic Seminars (6 annual and 2 of limited duration France, Greece)

#### Academic and Research experience

- 20 years University Professor in 8 University institutions (5 France, 3 Greece)
- 4 Master's Degrees as a University Teacher (2 France, 2 Greece)
- 30 years Researcher 3 research centers,
- 52 publications (publications in international scientific journals with peer review, conferences, under publication).
- 10 research programs,
- 1 Guest Editor in "Frontiers in Computer Science" Journal (2.4 Impact Factor, 4.3 CiteScore, 2500 Citations), Frontiers editions
- 4 international scientific journals (Elsevier, Springer) reviewer,
- 74 citations Google Scholar h-index 5 / 70 citations (All) ResearchGate h-index 5
- 50 citations documents
- 7 invitations as distinguished speaker in international conferences
- 18 Scientific lectures as an invited speaker in Universities
- 7 invitations for Co-Editor-in-Chief & Editorial Board in 7 international scientific journals
- 2 Best articles σε 2 διεθνή επιστημονικά περιοδικά
- 50 Administrative / Academic actions tasks

### **Professional experience**

- 30 years Architect Engineer, Consultant (Greece, France, Belgium), (Architectural studies, digital design / representations of spaces & objects, Creative design, etc.)
- 7 years Senior educational consultant SAP (study and consulting company, world leader in information systems, SAP (Paris, France), in various European countries (France, Belgium, Greece) (1998-2004). Related topics: IT applications, Plan organization training in large companies, Implementation, Coordination and Management of many European projects (Turbomeca, Calcia, Haironville, Metro, Eurovia, Sofedit, Plasticomnium, Stef-Tfe, Sagem, Colgate, etc.), Pedagogical engineering, Analysis and synthesis of work processes, Needs analysis, Information management, Innovation and technology strategy management, Communication, Project development, Marketing, service promotion, etc.
- 7 years Deputy Director of Vocational Training Center ("KEK Development of Thessaly"), Larissa
- 10 Research programs as participating Researcher and Scientific collaborator.
- 2 years Technical Business Director & sales in innovative IT products (EU innovation award) (Human Innovation Technologies S.A)
- 3 years Executive Manager (Lactimed research project, awarded by the EU Terra Thessalia) (highlight and promotion of Thessalian
- ½ year European Program Advisor (RIS3 action plan). Drafting of a Tourism action plan on behalf of the Region of Thessaly RIS3 (ESPA 2014-2020) (Innovation Systems)
- · 23 years Consultant of multimedia presentations (of scientific, educational, commercial interest) (design and implementation)

### Honors (scholarships, competitions, honors)

- 1. Selection to the global academic committee for evaluation / definition of the world ranking of Universities (World University Rankings) by the British University Rankings Evaluation House "Times Higher Education - (THE)" - 2024
- 2. Guest Editor of the international scientific journal "Frontiers in Computer Science" (2.4 Impact Factor, 4.3 CiteScore, 2500 Citations) of the global Swiss publishing house "Frontiers" - 2024
- 3. Co-organizer of the workshop "Advanced and Innovative web Apps 2025" of the "2025 International Conference on Computational Science and Its Applications" - 2024. · 4. Chairman / organizer of the scientific conference / workshop "OUT2IN - Architectural and visual spatial routes", International
- Hellenic University https://ia.ihu.gr/2024/11/15/out2in\_1/ 2024 5. Scholarship for submitting a research proposal as Scientific Responsible within the framework of the "University of Excellence",
- . 6. Seven (7) invitations as a distinguished & chair speaker to present an award-winning scientific paper (best article) at 5 global
- conferences in Germany, the Netherlands, England, Turkey, 2024, 2025, 2026
- . 7. Seven (7) invitations for the position of "Co-Editor-in-Chief, Associate Editor, Editorial board" in 6 international scientific journals
- 8. Two (2) Best Article in 2 international scientific journals
- 9. Honorary scholarship for postdoctoral studies (1 year) from the European Regional Development Fund of the EU. First (1st) place in a Greek National competition for participation in a European Program, ELKE University of Thessaly, 2022-23
- · 10. Honorary scholarship award for postdoctoral studies (2 years) from the European Social Fund (ESF) of the EU. Greek National
- competition, Ministry of Economy & Development 2018-2020. 11. First choice of researcher in the European research program HORIZON "HNV - High Natural Value" after a pan-Hellenic
- competition of the University of Thessaly, 2017. 12. EU Innovation Award and grant from GGET as Technical Business Director - Human Innovation Technologies S.A. 2012-2015.
- 13. Chair of the "Environmental Acoustics" session of the National Scientific Conference "Acoustics 2008", Xanthi School of Architecture, Democritus University of Thrace

## DESCRIPTIVE CV SUMMARY



Dr Stelios Kouzeleas



Descriptive cv's summary



### Descriptive cv's summary

Dr Stelios Kouzeleas is an Assistant Professor in the Department of Interior Architecture of the International Hellenic University specializing in digital spatial representations with a strong background in digital design, multimedia, virtual reality and innovative digital IT applications in space.

He is an Architect with a degree in Engineering from the Polytechnic School of Aristotle University of Thessaloniki in Greece. He holds an Integrated Master's degree in Architecture from the School of Architecture of A.U.Th. He also holds two postgraduate degrees in the field of development of digital spatial planning systems, IT applications and artificial intelligence from the School of Architecture of Nancy, France, and in the field of digital planning and spatial simulation from the School of Architecture of Bordeaux France, France. He holds a PhD from the University of Bordeaux 1 in the field of development and application of digital design, simulation, multimedia and IT systems with an Excellent grade (DOATAP recognition). He holds 2 postdoctoral diplomas in the field of digital online multimedia representations (1st National researcher selection scholarship award - European Regional Development Fund) and in the field of digital representations of territorial marketing (1st National researcher selection scholarship award - European Social Fund (ESF) of E.U. and Ministry of Economy and Development). He has attended 8 annual supplementary studies (seminars) in IT applications, Innovation, Art, Culture, Design / Simulation and Sales

He has taught (20 years) as a University Professor at undergraduate and postgraduate level in 8 University Institutions in Greece and France (Ecole d'architecture et de Paysage de Bordeaux, France, Ecole d'architecture de Paris Val de Seine, Paris, Université de Bordeaux I of France, Université de Paris VI of France, Université de Blaise Pascal de Clermont Ferrand of France and in Greece at A.U.Th., University of Thessaly, International Hellenic University). Teaching concerns IT development and applications, digital interactivity, methodological development of digital design and simulation systems and models, research and innovation. He has many years of research experience in the respective subjects as his research and scientific work has been published in 38 international scientific journals, conferences, theses, scientific exhibitions with dozens of scientific reports around the world (citations). He has participated in 10 European research programs in France and Greece (Louvre modeling & illumination, Bordeaux halls phase 1-2-3, Novagrimed, Lactimed, Transhumance, Horizon, PGS Terra Thessalia, Eco.muse). He is a Scientific reviewer in 2 international scientific journals (Elsevier Editions) while he has been a research and scientific partner in 3 European research centers (CRAI-France, Grecau-Eriac France, Rural Space LaboratoryUniversity of Thessaly-Greece).

He has been awarded two scholarships for two post-doctoral studies (2 post Ph.D.) by the European Regional Development Fund of the EU. as well as from the European Social Fund of the EU. He has been honored with the 1st National researcher selection award in the European research program HORIZON "HNV – High Natural Value" after a national competition by the University of Thessaly (2017). He has also been honored with the 1st National researcher selection award in the Interreg European research program "Eco-Muse" after a national competition of the University of Thessaly (2022). Finally, he has participated as a Technical Director of work development in the company Human Innovation Technologies S.A, (2012–2015) which was honored with an innovation award from the E.U. and a grant from the General Secretariat for Research and Technology (GGET).

He has also been honored with international distinctions, such as being selected to the global academic panel for the evaluation of the World University Rankings by the British ranking agency "Times Higher Education - (THE)", being selected as Guest Editor of the international scientific journal "Frontiers in Computer Science" (2.4 Impact Factor, 4.3 CiteScore, 2500 Citations) of the "Frontiers" editions, as well as being selected as co-organizer of the workshop "Advanced and Innovative web Apps 2025" of the "2025 International Conference on Computational Science and Its Applications". He has 7 invitations as a distinguished speaker to present an award-winning scientific paper (best article) at 5 global conferences in Germany, the Netherlands, England, Turkey, Japan and 7 invitations for the position of "Co-Editor-in-Chief, Associate Editor, Editorial board" in 7 international scientific journals, while he has received two Best articles in 2 international scientific journals and has served as president of 2 scientific conferences.



### Descriptive cv's summary

He has participated in the development, management and implementation of National and European programs in the Educational Training Center "Development of Thessaly" (National Youth Foundation, ESF). He has worked as an Engineer and Senior Consultant in design systems applications, simulation and analysis of technological needs in various design offices in Greece and Abroad (Niveau 3, Marc Benayoun, N. Kaltsas, Freelancer). He has worked as Senior Consultant and 'Chef de projet' in information systems companies (SAP, Syntony, Cadra) (Paris) implementing, coordinating and managing many European projects (Turbomeca, Calcia, Haironville, Metro, Eurovia, Sofedit, Plasticomnium, Stef- Tfe, Sagem, Colgate, etc.) in various European countries (eg, France, Belgium, Greece) (1998-2004) in matters of Pedagogical engineering, Analysis and synthesis of work processes, Needs analysis, Information management, Innovation management and technological strategy, Communication, Business Development, Marketing, promotion of services, etc. He has been Business Development Director at Human Innovation Technologies S.A. (innovation award from European Union), participant in the planning of strategic development and innovation while simultaneously being responsible for planning, sales strategy and promotion of technology and innovation products and services in Greece and mainly in Europe (international presentations, interviews, organization of international exhibitions, B2B with CEO of multinational companies, etc). He has collaborated (Business Development) with a company of development & promotion of innovative technological products and services in the field of, among others, Tourism. He has actively participated as an Expert Consultant (Innovatia systems) in the working group for Smart Specialization (RIS3) in the Cultural-Tourism sector as well as in Creative Tourism of the Thessaly Regional Innovation Council of the Thessaly Region (2014), while at the same time he actively participated in the writing of action plan for smart specialization (RIS3) in the Cultural-Tourist sector on behalf of the Council of the Thessaly Region. He is a specialist consultant and partner of development companies in European programs (Leader, CLLD, Regional European Programs, etc.), in matters of digital promotion of territories, products, materials and intangible resources. He has participated in European Research programs (CRAI, GRECAU, Transumance, Horizon, Interreg, etc.) as well as in the European research program Lactimed (2015-16) as coordinator of promotion, communication, strategic sales planning and marketing of agri-food products and services in Europe.

He has taught at the Master Degree Program "Interventions in existing buildings and urban ensembles" of the Civil Engineer Department of International Hellenic University and at the Master Degree Program "Dyntar" of the Department of Spatial, Urban Planning and Regional Development of the University of Thessaly in collaboration with the Université Blaise-Pascal of Clermont-Ferrand, France, where he resides in the field of digital design and interactive multimedia spatial simulations.

He has also taught at the Master-Dess Degree Program "Environment & Amenities for Architecture & Urban Planning" of the 'Université de Bordeaux 1' and the 'Ecole d' Architecture et de Paysage de Bordeaux', France, at the Atelier Multimedia in the undergraduate level of the Ecole d' Architecture et de Paysage de Bordeaux and in the Master-Dess Degree Program "Architecture and urban acoustics" of the 'Ecole d'Architecture de Paris Val de Seine' and the 'Université de Paris VI', France.

Finally, he has also been active as a freelancer for a number of years in Greece and in Europe in the fields of interactive digital design applications, digital spatial design/simulation, interactive websites and E-shops, Architecture/decoration, Business Development and promotion of products and services, as well as Consulting. He is a member of Technical Chamber of Greece and other national and international organizations (ELINA – 2004, eCAADe – 2005), while he speaks French, English and Greek.

## CV'S ANALYSIS



Dr Stelios Kouzeleas



CV's analysis (Studies, Experience, Scientific, Honors, Research, Knowledge, Languages, etc)





2022 - 2023

Department of Planning and Regional Development - University of Thessaly Greece

#### POSTDOCTORAL DIPLOMA

University of Thessaly Postdoctoral Program (duration 1 year). Department of Planning and Regional Development. Field of expertise: Design and Promotion of House Museums with digital multimedia representations. Creative Design. General Topic: "Eco.Muse - NETWORK OF OPEN HOUSE MUSEUMS FOR THE HIGHLIGHT AND GLOW ENHANCEMENT OF AREAS WITH ENVIRONMENTAL HISTORY".

Special Topic: "Design and Promotion of open House Museums through digital interactive multimedia representations". European Interreg program of the European Regional Development Fund through ELKE University of Thessaly (Project code: 6839).

2018 - 2020

Department of Planning and Regional Development - University of Thessaly Greece

#### **POSTDOCTORAL DIPLOMA**

University of Thessaly Postdoctoral (duration 2 years). Department of Planning and Regional Development. Area of expertise: Digital representations.

Special topic: "Design of an interactive web application of a pilot tool for the digital representation of guarantee processes of a Participatory Guarantee System" (within the general title: "Alternative food networks and territorial labeling. The role of consumers in improving the awareness and effectiveness of participatory certification systems", University of Thessaly.

1997 - 2002 Universite Bordeaux 1 - France

#### **DOCTORAT - PH.D**

Doctorate from the University of Bordeaux 1, France (duration of 5 years with equivalent rating from DOATAP (diploma recognition) "Excellent", ref. 14341/2013).

Field of specialization: Engineering, sciences and architecture with digital methods of spatial design and simulation) (Mécanique, sciences et techniques architecturales).

Specialty: "Digital representations of spaces and objects (Spatial digital design, simulation and Multimedia), CAD, architectural acoustic simulation, use and development of architectural and urban planning applications using programming, digitization and IT).

Title: "Développement d'un outil d'aide en simulation acoustique architecturale adaptable à un système de modélisation CAO" [Development of an aid program (tool) in Architectural acoustic simulation, adapted to a system of digital spatial design — CAD simulation)] — N ° 2642, Doctoral School of Natural Sciences and Engineering, University of Bordeaux 1, France, (Praise : "Très honnorable" - DOATAP Equivalence (diploma recognition) "Excellent", Ap. 14341/2013). Existing relevant certificate of recognition from DIKATSA (Act No. 1-590).



2018

School of Architecture - A.U.Th (Aristotle University of Thessaloniki, Greece)

#### **MASTER INTEGRATED**

Master's Degree - Diploma of equivalence of a single and undivided postgraduate degree INTEGRATED MASTER - Polytechnic School, Department of Architectural Engineering - A.U.Th.

1996 - 1997

Ecole d' Architecture et de Paysage de Bordeaux, France - School of Architecture Bordeaux, France

#### **MASTER CERTIFICATE**

Certificate of annual postgraduate studies and research in the field of digital spatial design and simulation of spaces and objects using Computers, Artificial Intelligence and multimedia (CAD, Simulation, Multimedia, Animation, Video, image processing, sound, Architectural acoustic simulation) – Bordeaux School of Architecture, France

1992 - 1993

Ecole d' Architecture de Nancy, France - School of Architecture Nancy, France

#### MASTER CERTIFICATE

Annual Postgraduate Certificate in "Architecture, Informatics and Artificial Intelligence" (Architecture = Theory of Architectural Analysis and Composition, Architectural Design, Composition with Digital Means, Use, Programming and Development of Computer Aided Architectural and Urban design Systems) - Language AutoLISP) – Research Center for IT Applications in Architecture and Engineering C.R.A.I. (Centre de Recherche en Architecture et Informatique-Ingenierie), School of Architecture Nancy, France

1985 - 1991

School of Architecture - A.U.Th (Aristotle University of Thessaloniki, Greece)

#### **UNIVERSITY DEGREE**

University diploma in Architecture – A.U.Th, Thesis grade 10 «Excellent»



2011

Larissa Photography Club, Greece

#### **PHOTOGRAPHY**

Certificate of annual studies in photography and its digital processing, Larissa Photography Club, Greece

2006

Department of Surveyor Engineering - A.U.Th.

#### **GIS**

Certificate of attendance of a University seminar in Geographic Information Systems (GIS), ArcGIS I, ArcInfo – ArcView, A.U.Th.

2001-2002

Center for modern art & multimedia "Maison populaire" - Paris, France

#### **ANIMATION - VIDEO**

Certificate of annual studies of applied informatics in animation and video, entitled "Cinéma, computer-aided animation", Educational center of modern art and multimedia "Maison populaire"-Paris, France

2000-2001

Center for modern art & multimedia "Maison populaire" - Paris, France

#### **PAINTING**

Certificate of annual drawing and painting studies – Modern art and multimedia training center "Maison populaire" - Paris, France

1999- 2000

Center for modern art & multimedia "Maison populaire" - Paris, France

#### **SCULPTURE**

Certificate of annual studies in Sculpture – Educational center of modern art and multimedia "Maison populaire" - Paris, France

1995

Department of Music Studies - A.U.Th.

#### **MUSIC INFORMATICS**

Certificate of attendance of a University seminar entitled "Musical Informatics", A.U.Th., Thessaloniki, Greece, 1995

1991

Larissa Private School, Greece

#### COMPUTER PROGRAMMING

Certificate of annual studies "computer handling, basic principles of programming", Private school, Larissa, Greece

1984

Larissa Private School, Greece

#### **TYPING**

Diploma in Greek and Latin Typography ("blind system"), Private school, Larissa, Greece

#### 3. EDUCATIONAL EXPERIENCE - SUMMARY



#### SUMMARY OF AUTONOMOUS TEACHING IN DEPARTMENTS OF UNIVERSITIES

Bordeaux School of Architecture, France (Ecole d'architecture et de Paysage de Bordeaux, France) 1 University of Bordeaux 1, France (Université de Bordeaux I, France) School of Architecture Paris Val de Seine Paris, France (Ecole d'architecture de Paris Val de Seine, 3 France) 4 University of Paris VI, France (Université de Paris VI, France) 5 Blaise-Pascal University of Clermont-Ferrand France, and University of Thessaly, MASTER-Dyntar Joint Master's Degree Program, Department of Spatial, Urban and Regional Development Engineering 6 Aristotle University of Thessaloniki, Department of Spatial planning Engineering, Greece University of Thessaly, Department of Spatial, Urban Planning and Regional Development Engineering, Greece, International Hellenic University, Greece – Department of Interior Architecture 8 9 Technological Educational Institute of Thessaly, Department of Mechanical Engineering, Greece 10 Technological Educational Institute of Thessaly, Building Restoration and Renovation Department, Greece Technological Educational Institute of Thessaly, Department of Electrical Engineering, Greece Technological Educational Institute of Thessaly, Department of Civil Infrastructure Projects, Greece 12 13 Technological Educational Institute of Thessaly, Department of Civil and Structural Works, Greece Technological Educational Institution of Central Macedonia, Department of Civil Engineering, 14 Department of Surveyors and Geoinformatics, Greece Technological Educational Institution of Central Macedonia, Department of Interior Architecture, 15 Decoration, Object Design, Greece



#### **SUMMARY OF AUTONOMOUS TEACHING IN MASTERS**

- International Hellenic University Department of Civil Engineering, Department of Surveying and Geoinformatics, Greece
- Blaise-Pascal University, Clermont-Ferrand France & Department of Spatial, Urban and Regional Development Engineering (DYNTAR French)
- 3 University of Bordeaux 1 & Architecture School of Bordeaux France
- University of PARIS VI & Architecture School of PARIS VAL DE SEINE France

#### SUMMARY OF AUTONOMOUS TEACHING IN COGNITIVE SUBJECTS - COURSES (UNIVERSITIES)



#### INTERNATIONAL HELLENIC UNIVERSITY (POSTGRADUATE - UNDERGRADUATE)

- Methodologies of digital design & multimedia representation, digital cities, Programming in CAD (Master's Degree Department of Civil Engineering and Department of Surveyors and Geoinformatics)
- Methodologies of digital design & multimedia presentation of urban ensembles, Digitization, Digital representation in 2D & 3D (Master's Degree Department of Civil Engineering and Department of Surveyors and Geoinformatics)
- Digital rendering of 2D & 3D models. Prototyping-Archiving of digital survey results (Master's Department of Civil Engineering and Department of Surveyors and Geoinformatics)
- Innovation and formation of smart and sustainable cities (Master's Department of Civil Engineering and Department of Surveying and Geoinformatics)
- 3D modeling of cities: application of interactive technology in modern urban planning (Master's Department of Civil Engineering and Department of Surveying and Geoinformatics)

Bachelor Thesis (Department of Interior Architecture)



ΣΥΝΟΨΗ ΑΥΤΟΝΟΜΗΣ ΔΙΔΑΣΚΑΛΊΑΣ ΣΕ ΓΝΩΣΤΙΚΑ ΑΝΤΙΚΕΙΜΕΝΑ (ΤΡΙΤΟΒΑΘΜΊΑ ΙΔΡΥΜΑΤΑ)



**17** 

#### INTERNATIONAL HELLENIC UNIVERSITY (POSTGRADUATE - UNDERGRADUATE)

Design methodology (Department of Interior Architecture) Design methodology with digital means (computers) (Department of Interior Architecture) 3D digital modeling of an architectural project (Department of Interior Architecture) 8 9 Architectural composition with Computers I (Department of Interior Architecture) Architectural composition with Computers II (Department of Interior Architecture) 10 Multimedia – Architectural Project Presentations (Department of Interior Architecture) 12 Computer-aided Architectural and Construction Design (Sector: Architectural design & spatial representations) (Department of Civil Engineering) 13 Digital Design with Programming (Department of Interior Architecture) 14 Interdisciplinary Approaches to the Architectural Space (Department of Interior Architecture) 15 Lecture Research Topic (Department of Interior Architecture) Innovative Interactive Digital Applications (Department of Interior Architecture) (16)



ΣΥΝΟΨΗ ΑΥΤΟΝΟΜΗΣ ΔΙΔΑΣΚΑΛΙΑΣ ΣΕ ΓΝΩΣΤΙΚΑ ΑΝΤΙΚΕΙΜΕΝΑ (ΤΡΙΤΟΒΑΘΜΙΑ ΙΔΡΥΜΑΤΑ)



#### ARISTOTLE UNIVERSITY OF THESSALONIKI, GREECE (UNDERGRADUATE)

- Digital Design (School of Spatial Planning and Development Engineering)
- Thematic cartography Visualization (School of Spatial Planning and Development Engineering)
- Informatics I (School of Spatial Planning and Development Engineering)
- Informatics II (School of Spatial Planning and Development Engineering)
- Digital visualization and presentation methods Multimedia (School of Spatial Planning and Development Engineering)
- 6 Design and Spatial Recognition Techniques (School of Spatial Planning and Development Engineering)



#### UNIVERSITY OF THESSALY, GREECE (UNDERGRADUATE – POSTGRADUATE)

- Digital design, simulation and digital representation of space (Department of Spatial Planning, Urban Planning and Regional Development Engineering)
- Computer-aided digital design (Department of Spatial Planning, Urban Planning and Regional Development Engineering)



#### **UNIVERSITY OF THESSALY (EX TEI OF THESSALY)**

- Technical design and Electronic design with Computers (Department of Civil Engineering T.E. T.E.I. Thessaly)
- Principles of AutoCAD 2D design (Department of Electrical Engineering, TEI of Thessaly)
- AutoCAD 3D (Department of Electrical Engineering, TEI of Thessaly)



ΣΥΝΟΨΗ ΑΥΤΟΝΟΜΗΣ ΔΙΔΑΣΚΑΛΙΑΣ ΣΕ ΓΝΩΣΤΙΚΑ ΑΝΤΙΚΕΙΜΕΝΑ (ΤΡΙΤΟΒΑΘΜΙΑ ΙΔΡΥΜΑΤΑ)





#### **UNIVERSITY OF THESSALY (EX TEI OF THESSALY)**

- Technical plan (Department of Civil Infrastructure Projects TE, TEI of Thessaly)
- 5 Digital design with computers (Department of Civil Infrastructure Projects T.E., T.E.I. Thessaly)
- Digital design of building projects with computers (Department of Civil and Structural Works T.E., T.E.I. of Thessaly)
- Computers II Digital CAD design (Department of Renovation & Restoration of Buildings T.E., T.E.I. of Thessaly)
- 8 Computer Design (Department of Mechanical Engineering, TEI of Thessaly)



## BLAISE-PASCAL UNIVERSITY OF CLERMONT-FERRAND FRANCE, AND UNIVERSITY OF THESSALY (POSTGRADUATE)

- Applications of digital representations (spatial digital planning-simulation and multimedia) in the promotion of territorial resources (Dyntar Master's in French Department of Spatial Planning, Urban Planning and Regional Development Engineering).
- Digital methodologies in digital spatial planning and simulation Techniques, applications, research (Dyntar Master's in French Department of Spatial, Urban and Regional Development Engineering).



## UNIVERSITY OF BORDEAUX 1 & SCHOOL OF ARCHITECTURE & LANDSCAPE OF BORDEAUX – FRANCE (UNDERGRADUATE - POSTGRADUATE)

- Digital representations through digital design and simulation
- 2 Animation and rendering
- Multimedia



## UNIVERSITY OF PARIS VI & SCHOOL OF ARCHITECTURE OF PARIS VAL DE SEINE - FRANCE (POSTGRADUATE)

Digital representation methods adapted to an architectural, engineering and acoustic simulation program



ΓΝΩΣΤΙΚΑ ΑΝΤΙΚΕΙΜΕΝΑ



#### INTERNATIONAL HELLENIC UNIVERSITY, GREECE (UNDERGRADUATE)

2017 - 2024

Department of Interior Architecture - Courses- Undergraduate level

#### INTERNATIONAL HELLENIC UNIVERSITY

- Design Methodology (Department of Interior Architecture) (2018-2019).
- Design Methodology with digital means (Department of Interior Architecture) (2018-2022).
- 3D digital modeling of an architectural project (Department of Interior Architecture) (2020-2022).
- Architectural composition with Computers I (Department of Interior Architecture) (2020-2024).
- Architectural composition with Computers II (Department of Interior Architecture) (2021-2024).
- Digital Design with Programming (Department of Interior Architecture) (2021-2024).
- Multimedia Architectural Project Presentations (Department of Interior Architecture) (2021-2024).
- Innovative Digital Interactive Applications (Department of Interior Architecture) (2022-2024).
- Interdisciplinary approaches in the Architectural field (Department of Interior Architecture) (2022-2024).

#### Professor Supervisor in indicative "Research theses» of corresponding mandatory undergraduate course

- Aslanoglou Niki (2025), Organicity and Cycladic building. Research course, Department of Interior Architecture, DIPAE, Serres Kelasidis Alexandros (2025),
- Tools for architectural digital design of sections, Research course, Department of Interior Architecture, DIPAE, Serres Kotzabougik Elena, (2025), Intelligent systems and parasitism, Research course, Department of Interior Architecture, DIPAE, Serres
- Koutsoubri Theodora, (2025), Organic canopies in architectural design, Research course, Department of Interior Architecture, DIPAE, Serres

#### Professor Supervisor in indicative Graduate Theses

- "Exterior and interior design of a residence". Student: Litsardopoulou Fai June 2023
- "Architectural design of a residence in Pelion, Magnesia". Student: Theodoridi Maria September 2023
- "Architectural design of a work environment in Thessaloniki". Student: Anastasia-Maria Pemma September 2023
- "Renovation with an energy design approach, of a hotel unit in Serres". Student: Nikiforakis Emmanouil October 2024

#### Supervising Professor in imminent Doctoral theses

- "VIRTUAL REALITY APPLICATIONS IN INDUSTRIAL DESIGN: Adapted design for efficiency, safety and sustainability
  of the environmental economy".
- "Applications of digital representations of Artificial and Augmented Reality in space and in Education".

#### 3. EDUCATIONAL EXPERIENCE - ANALYSIS



ΓΝΩΣΤΙΚΑ ΑΝΤΙΚΕΙΜΕΝΑ



#### INTERNATIONAL HELLENIC UNIVERSITY, GREECE (UNDERGRADUATE)

2018 - 2020

Department of Civil Engineering - Courses - Undergraduate level

#### INTERNATIONAL HELLENIC UNIVERSITY

- Computer-aided architectural construction design (Department of Civil Engineering) (2018-2020).
- Architectural and Building Design with Computer (Department of Civil Engineering) (2018-2019).

2018 - 2019

Department of Surveying and Geoinformatics Engineering - Courses - Undergraduate level

#### INTERNATIONAL HELLENIC UNIVERSITY

• Design with Computer Programming (Department of Surveying and Geoinformatics Engineering) (2018-2019)



#### INTERNATIONAL HELLENIC UNIVERSITY, GREECE (UNDERGRADUATE)

2024 - 2025

Department of Interior Architecture -

#### INTERNATIONAL HELLENIC UNIVERSITY

- Recognized training certificate with 11 ECTS entitled: "INTEGRATED 2D / 3D DIGITAL CAD DESIGN: Software Synergy, Automation & Productivity Increase".
- 150 hours
- Scientific Supervisor & Professor: Stelios Kouzeleas
- <a href="https://kedivim-apply.ihu.gr/progs/prog-346">https://kedivim-apply.ihu.gr/progs/prog-346</a>



#### **INTERNATIONAL HELLENIC UNIVERSITY (POSTGRADUATE)**

2017 - 2020

Lecturer in the postgraduate course "Interventions in existing buildings and urban ensembles: Reinforcements, Reuse and spatial renewals". (Winter-Spring semester), Department of Civil Engineering and Department of Topographical Engineering and Geoinformatics

#### INTERNATIONAL HELLENIC UNIVERSITY

- Mapping of buildings and urban space with advanced tools (Lectures: "Digital rendering of mapping in 2D and 3D models" "Prototyping Archiving of digital impression results") (2017-2020),
- Topographic applications Backgrounds: (Lectures: "Methodologies for design and multimedia presentation of urban sets", "Automation of data entry in a CAD environment", "Digitization (VECTOR-RASTER). Digital rendering in 2D and 3D"), (2017-2020),
- Applied urban planning, Standards (Lectures: "The role of innovation for shaping smart and sustainable cities", "3D modeling of cities: application of interactive technology in modern urban planning") (2017-2020)



#### INTERNATIONAL HELLENIC UNIVERSITY (FORMERLY TEI CENTRAL MACEDONIA)

2017 - 2020

Department of Interior Architecture - EADSA - Courses - Undergraduate level

#### INTERNATIONAL HELLENIC UNIVERSITY

- Design Methodology (EADSA Department)
- Design Methodology with Computer (EADSA Department)

2017 - 2020

Department of Civil Engineering - Courses - Undergraduate level

#### INTERNATIONAL HELLENIC UNIVERSITY

- Computer-aided architectural construction design (Department of Civil Engineering)
- Architectural & building design with Computers (Department of Civil Engineering)

2017 - 2020

Department of Topographical Engineering and Geoinformatics - Courses - Undergraduate level

#### INTERNATIONAL HELLENIC UNIVERSITY

Digital Design with computer programming



ΓΝΩΣΤΙΚΑ ΑΝΤΙΚΕΙΜΕΝΑ



#### **UNIVERSITY OF THESSALY (POSTGRADUATE)**

2009 - 2018

Lecturer in the Postgraduate Master – "DYNTAR", Department of Spatial Engineering, Urban Planning and Regional Development, University of Thessaly

#### **UNIVERSITY OF THESSALY**

- Applications of spatial digital planning-simulation and multimedia in the promotion of territorial resources, (2016-2018),
- Introduction to Spatial Representations, (2011-2016),
- Application of Digital Spatial Representation Tools, (2011-2016),
- Digital design, simulation and representation of space, (2009-2011).
- 2010 2011

Lecturer in the postgraduate course "Spatial analysis and environmental management", Department of Spatial Engineering, Urban Planning and Regional Development, University of Thessaly

#### **UNIVERSITY OF THESSALY**

Digital methodologies in digital spatial planning and simulation: Techniques, applications, research" (2010-2011)

#### Supervising Professor in a MASTER thesis

 Master's thesis: Dynamique Territorale et Aménagement Rural – DYNTAR. University of Thessaly & Blaise Pascal University France. "GROUNDING OF A CULTURAL HERITAGE COURTYARD: THE BATTLE OF PHARSALOS". Students: AIDONI ELENI - VELESIOTIS VASILEIOS - 2016



#### **UNIVERSITY OF THESSALY (UNDERGRADUATE)**

2013 - 2015

Lecturer in 1st year undergraduate studies, Department of Spatial Engineering, Urban Planning and Regional Development, University of Thessaly

#### **UNIVERSITY OF THESSALY**

• Digital Design with Computers (2013-2015)

#### 3. EDUCATIONAL EXPERIENCE - ANALYSIS



ΓΝΩΣΤΙΚΑ ΑΝΤΙΚΕΙΜΕΝΑ



#### **UNIVERSITY OF THESSALY (FORMERLY T.E.I. THESSALIAS)**

2013 - 2014

Department of Civil Engineering - Courses - Undergraduate level

#### **UNIVERSITY OF THESSALY**

- Technical design and Digital design with Computers, (2013-2014)
- 2013 2014

Department of Electrical Engineering - Energy and Industrial Design Sector - Courses - Undergraduate level

#### UNIVERSITY OF THESSALY

- AutoCAD 2D Drawing Principles, (2011-2013),
- AutoCAD 3D", (2011-2013).
- 2011 2013

Department of Civil Infrastructure Projects - Courses - Undergraduate level

#### **UNIVERSITY OF THESSALY**

- Technical plan, (2011-2013),
- Digital design with Computers, (2011-2013).
- 2012 2013

Department of Civil and Structural projects - Courses - Undergraduate level

#### **UNIVERSITY OF THESSALY**

- Digital design of building projects with Computers, (2012-2013)
- 2007 2012

Department of Building Renovation & Restoration - Courses - Undergraduate level

#### **UNIVERSITY OF THESSALY**

- Informatics II Digital CAD Design (Digital Architectural Design) (2007-2012)
- 2007 2011

Department of Mechanical Engineering - Courses - Undergraduate level

#### **UNIVERSITY OF THESSALY**

• Digital Design with Computers, (2007-2011)



ΓΝΩΣΤΙΚΑ ΑΝΤΙΚΕΙΜΕΝΑ





#### ARISTOTLE UNIVERSITY OF THESSALONIKI, GREECE

2004 - 2012

Department of Spatial Planning and Development Engineering - Courses - Undergraduate level

#### ARISTOTLE UNIVERSITY OF THESSALONIKI

- Design and Spatial Recognition Techniques, (2011-2012),
- Thematic cartography Visualization, (2010-2011),
- Digital Design, Computer Aided Design, (2004-2011),
- Informatics I & II, (2004-2010),
- Digital imaging and presentation methods Multimedia, (2007-2010)



#### **VOCATIONAL TRAINING INSTITUTE**

2006 - 2008

Lecturer in the specialty of designer through computer systems, Department of Structural Projects - Vocational Training Institute « 1st I.E.K. », Larissa, Greece

#### **VOCATIONAL TRAINING INSTITUTE**

- T and digital design applications with CAD systems, (2006-2008),
- AutoLISP Design Automation in CAD, (2007-2008)



#### **VOCATIONAL TRAINING INSTITUTE**

1993 - 1998 & 2005 - 2006

Lecturer at Vocational Training Center "Development of Thessaly", Larisa in subsidized by the European Social Fund and the Greek State as well as self-subsidized programs

#### **VOCATIONAL TRAINING INSTITUTE**

- Digital Representation Methods (1993-1998, 2005-2006),
- CAD (1993-1998, 2005-2006),
- Animation and Rendering (2005, 2006),
- Multimedia (2005, 2006),
- Office Automation (1993-1996),
- Computer operation and programming (1993-1996).





#### **TECHNOLOGY SCHOOL**

1994-1996 & 1997-1998 & 2004-2005

Lecturer (appointed by the Ministry of Education) in a private TEE, Recognized by the State, Larissa, Greece

#### **TECHNOLOGY SCHOOL**

- Designers of Technical Projects with Computers (1994-1996, 1997-1998, 2004-2005),
- Architectural design (1994-1996, 1997-1998, 2004-2005),
- Informatics Technology (1994-1996, 1997-1998).



#### UNIVERSITY OF BORDEAUX 1 & SCHOOL OF ARCHITECTURE OF BORDEAUX - FRANCE

1996-1997

Lecturer under contract at the Bordeaux School of Architecture, France (Atelier Multimedia & GRECO-ERIAC Research Center), (1996-1997)

#### **BORDEAUX SCHOOL OF ARCHITECTURE AND LANDSCAPING - FRANCE**

- Digital representations through digital design and simulation
- · Animation and rendering
- · Multimedia

2000-2001

Lecturer in the MASTER-DESS "Environment & Amenities for Architecture & Urban Planning", University of Bordeaux 1 & Bordeaux School of Architecture, France

#### **UNIVERSITY OF BORDEAUX 1 & SCHOOL OF ARCHITECTURE OF BORDEAUX – FRANCE**

Digital Representation Methods Adapted to Architecture, Engineering and Acoustic Simulation Program' (2000-2001)



#### PARIS VAL DE SEINE SCHOOL OF ARCHITECTURE & PARIS VI UNIVERSITY - FRANCE

1999-2000

Lecturer in the MASTER-DESS "Architecture and urban acoustics", School of Architecture Paris Val de Seine and University Paris VI, France

#### **BORDEAUX SCHOOL OF ARCHITECTURE AND LANDSCAPING - FRANCE**

• Applications of digital representation methods in Architectural Acoustic simulation



#### **ELECTION - APPOINTMENT**

2019 / 03

Election of Assistant Professor - Cognitive Subject: Digitization and Representation of Objects and Spaces, Department of Interior Architecture - International Hellenic University, Greece (Legislative Audit Report DF10.1/5008/27.8.2019).

2020 / 01

Appointment of Assistant Professor - Cognitive Subject: Digitization and Representation of Objects & Spaces, Department of Interior Architecture - International Hellenic University (Government Gazette 2348, vol. C' / 13-12-2019)

0 2024 / 01

Permanent Assistant Professor - Cognitive Subject: Digitization and Representation of Objects and Spaces, Department of Interior Architecture - International Hellenic University, Greece (Government Gazette 1245, vol. C' / 23-04-2024)

#### **CHAIRMAN OF COMMITTEES**

2020

Chairman of the Public Investment Program Equipment Receiving Committee of the Serres Campus (Department Meeting No 3/26.02.2020)

2020 - 2022

Student Internship President and Internship Committee President - Department of Interior Architecture - International Hellenic University, Greece (Creation of Internship Regulations) (Department Meeting No 16/16.12.2020)

2021 -2022

President/Departmental Head of Internship NSRF (Department Meeting No 11/19.05.2021)

2022 - 2023

Chairman of the committee for the monitoring of the contract for the lease of space for the operation of a bookstore in Serres (Genetal meeting of the IHU, ET 2.1/16079/22-07-2022)

#### **MEMBER OF COMMITTEES**

2020 - 2023

Member of the drafting committee of the Internal Operating Regulations of the New Study Program (Department President's Decision, 27/11/2021, Department Meeting 25/01/2023)

2020 - 2023

Member of the drafting committee of the Internal Operating Regulations of the New Study Program (Department President's Decision, 27/11/2021)

## 6

#### **COMMITTEE MEMBER (CONTINUED)**

2020 - 2025

Assembly member of IA department (Appointment Assistant Professor, 31/1/2020)

2020 - 2025

Member of the Internal Assessment Team (IAG) of the EA department (Department Meeting Minutes No 1/02.03.2020, No 9/18.06.2020, No 15/03-06-2024 )

2020 - 2023

Member of the evaluation committee of Temporary Educational staff of the Int.Arch Department in the context of "Academic Scholars" (Department Assembly Minutes No 13/29.10.2020, No 15/07.07.2021, No 11/30.06.2022)

2020 - 2025

Member of the evaluation committee for Temporary Professors staff of the I.A Department in the context of "Recruitment of teachers based on Decree 407/80, & Academic Fellows & Visiting Lecturers" (Department Assembly Minutes No 6/15.05.2020, No 13/29.10.2020, No 15/07.07.2021, No 11/30.06.2022, No 21/13-10.2023, No 22/06-11-2023, 14/11/2023, 03/06/2024, No 21/16-09-2024

2020 -2025

Member of the qualifying examination committee of the I.A department (Department Assembly Minutes No 5/20.04.2020, No 10/14.05.2021, No 25/16.11.2021, No 8/13.05.2022, No 10/11-04-2023, 14/11/2023, 11/10/2024)

2020 - 2022

Member of the Complaints and Student Affairs Committee (Department Meeting Minutes No 29/17.12.2021)

2021 - 2024

IA department certification preparation team member (Department Chair's Decision, 11/27/2021)

2021 - 2025

Academic Advisor of the Department of Humanities - Member of the Student Career Advisory Committee of the DIPAE (23/11/2022, No. 14/25-09-2023, 27/05/2024)

2023

Member of the Department Committee for the Standardization of Study Regulations and Operation of the Departments of the International Hellenic University (Proposed 12/1/2023)

2022 - 2025

Member of the Internship Committee of the Department of Interior Architecture (Minutes of the Meeting 15/07/2022, No. 26/6.11.2024)

2023 - 2025

Member of the Committee in charge of organizing the First Cycle curriculum for the internal student mobility program (Minutes of the Meeting No. 26/6.11.2024)



#### **COMMITTEE MEMBER (CONTINUED)**

2023 - 2025

Member of the Committee for updating internal/external registers of Electors of the Department of Interior Architecture (Minutes of the Meeting 20-04-2023, No. 26/25-09-2023, 03-10-2023, 14.11.2024)

2022 - 2025

Academic supervisor of Departmental Internship (Department Meeting Minutes 15/07/2022, 06/11/2024)

#### REPRESENTATIVE / HEAD OF DEPARTMENT

2020 - 2022

Deputy department representative in the Special Account of Research Funds – ELKE (Department Meeting Minutes No 13/02.06.2021)

2021 - 2025

Responsible for entering and processing Department data in the OPESP of ETHAAE (Quality Assessment) (Department Meeting Minutes No 5/16.03.2022, 08/03/2023)

2023 - 2025

Erasmus+ Program Manager of the Department of Interior Architecture (Department Meeting Minutes 03/10/2023)

2024 - 2025

Submission of a research proposal as a scientific supervisor within the framework of the "Universities of Excellence" program of the Hellenic Academy of Sciences and Humanities (Department Meeting Minutes 10/05/2024)

2024 - 2025

President, Co-Organizer of the Scientific Evening OUT2IN "«Architectural and Visual Spatial Routes» (Department Meeting Minutes 06/11/2024)



#### **RESPONSIBLE ADMINISTRATOR**

2019-2025

Responsible manager of remote teaching processes and software adjustments (zoom)

2020 -2025

Administrator (creator) of the website of the Interior department of Architecture – https://ia.ihu.gr (Department Meeting Minutes No 11/18.09.2020)

2020 - 2023

Head of IT laboratories of the Department, Y3, Y4, Y5, Y6 and SDO 210 (Department Meeting Minutes No 12/14.10.2020)

2020 - 2025

Administrator of the elearning exams of the IA department: https://exams.ia.ihu.gr

2020 - 2025

Responsible and manager of EUDOXUS documents of the IA department (Department Meeting Minutes No 14/16.06.2021)

2021 - 2022

Edupass platform administrator of the IA department (Em. Dept. Admin. Supt. 6/10/2021 & Em. 14/10/2021)



#### **EDITOR OF REGULATIONS**

2023 - 2024

Author of the Department's Doctoral Studies Regulations (Department Assembly Minutes No 13/25-09-2023)

2020 - 2022

Author of Department Internship Regulations (Minutes of Department Meeting No 14/16.06.2021)

2021 - 2023

Drafting / Contribution to the Academic Certification Proposal of the Foundation's PPS (Department President's Decision, 11/27/2021 & 11/27/2022)

2021- 2023

Compilation of an operational and strategic planning plan for the IA department - 2022-2026 (Department Meeting Minutes No 29/17.12.2021)

2021 -2022

Drafting of the Regulation for the Operation of the Complaints and Objections Management Mechanism (Department Meeting Minutes No 29/17.12.2021)

2021 - 2022

Compilation of the Department's diploma supplement in Greek and English (Department Assembly Minutes No 29/17.12.2021)

2021 - 2023

Compilation of a progress report on the results from the utilization of the recommendations of the external evaluation of the Foundation and the certification report of the Internal Quality Assurance System) (Department President's Decision, 27/11/2021)

2021 - 2022

Compilation of a list of Department digital courses (Department President's Decision, 27/11/2021)

2021 - 2023

Compilation of a diploma model (GR – EN) (Department President's Decision, 27/11/2021)

2021 - 2023

Compilation of the Department's justified introductory report to MODIP in the context of the PPS certification of the IA department (Department President's Decision, 27/11/2021)

2021 - 2023

Compilation of IA Department digital course outlines (GR-EN) (Department President's Decision, 27/11/2021)



#### **EDITOR OF REGULATIONS (CONTINUITY)**

2022 - 2023

Website translation into English and preparation of Department certification audit (posting of faculty research, theses, student evaluations, regulations, etc.) (Ann. Ass. 5/12/2022)

2022

Contribute to the drafting of the IA study guide (2022) by drafting the syllabus and Study Structure of the EA Department (2019)

2019

Compilation of the program and Study Structure of the IA Department

#### 5. PROFESSIONAL EXPERIENCE

1992 - 2024Freelancer

#### **ARCHITECT ENGINEER**

32 years: Architect Engineer, Consultant and Researcher of systems of digital representations and highlighting of spatial sets, territorial resources and objects using Computers and multimedia, Creative planning and promotion consultant, IT systems training organization consultant, Architectural acoustic simulation consultant, Project Development Manager- business development)

https://www.youtube.com/watch?v=rErJFTJxvQ4



2022 - 2023

Architect - Scientific associate - Researcher

#### POSTDOCTORAL RESEARCHER

Architect Engineer - Research Associate, Postdoctoral Researcher (Open Source Platform for Creative Design and Promotion of Open House Museums through Digital Multimedia Interactive Spatial Representations), University of Thessaly)

https://ecomuseumcyprus.com/

https://ecomuseumcrete.com/

2024 - 2025 Assistant Professor

#### **ACADEMIC SUPERVISOR - PROFESSOR**

- Recognized training certificate with 11 ECTS entitled: "INTEGRATED 2D / 3D DIGITAL CAD DESIGN: Software Synergy, Automation & Productivity Increase".
- 150 hours
- Scientific Supervisor & Professor: Stelios Kouzeleas
- <a href="https://kedivim-apply.ihu.gr/progs/prog-346">https://kedivim-apply.ihu.gr/progs/prog-346</a>





2018 - 2020
 Architect - Scientific associate - Researcher

#### POSTDOCTORAL RESEARCHER

Architect Engineer – Research Associate, Postdoctoral Researcher (Pilot representation tool for a participatory guarantee system), University of Thessaly and Panteio University. <a href="https://kouzeleas.eu5.org/pano/PGS/index.htm">https://kouzeleas.eu5.org/pano/PGS/index.htm</a>



2018 - 2019Research Fellow

#### SPECIALIST OF DIGITAL REPRESENTATIONS - VR

Architect Engineer – Specialist partner of digital representations of spaces and objects (Virtual Reality and virtual tour). Axismedical, Greece <a href="https://kouzeleas.eu5.org/pano/axisVR/index.htm">https://kouzeleas.eu5.org/pano/axisVR/index.htm</a>



1992 - 2023 Freelancer

#### **ARCHITECT ENGINEER**

Architect – freelancer and consultant in systems of spatial digital representations, design, simulation and multimedia presentation of spatial aggregates and territorial resources, objects and development of online digital applications, Greece, France <a href="https://www.numpoint.com">www.numpoint.com</a>



#### 5. PROFESSIONAL EXPERIENCE 2/

P 2022 - 2024

Freelancer Web Creative designer

#### **DIGITAL DESIGN**

Design of an open source online digital professional platform, France www.princl-psychologue.com



2017 - 2017

Architect - Scientific associate - Researcher

#### **EPEYNHTHΣ - SCIENTIFIC FELLOW**

Architect Engineer - Research associate, Researcher, European research program HORIZON, University of Thessaly

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2015 - 2016 Research Fellow

#### **EXECUTIVE MANAGER**

Executive Manager Terra Thessalia – Company promoting Thessalian dairy products (initial support from European Lactimed Program) www.terrathessalia.gr

https://www.youtube.com/watch?v=DRf-pyfunYE



2015 - 2016

Responsible for European programs RIS3 - NSRF

#### SCIENTIFIC ADVISOR

Scientific consultant, responsible for European smart specialization programs RIS3 - NSRF on behalf of the Region of Thessaly, - Innovatia systems



2015 - 2015

**Business Development Consultant** 

#### **SCIENTIFIC ADVISOR**

Scientific advisor for business development, Association of Thessalian Enterprises and Industries - STHEB - Greece



2015 - 2015

Creative design manager - Multimedia

#### **RESEARCHER - SCIENTIFIC ASSOCIATE**

Responsible for the implementation of a multimedia application highlighting a territorial resource "Transhumance - Flying, (Transhumance research project), University of Thessaly, Development Company of Trikala KENAKAP SA.

https://www.youtube.com/watch?v=v2jkmP3cLqw&pp=ygUKa291emVsZWFzIA%3D%3D



9 2015 - 2015

Research Associate - Business Development Consultant

#### **RESEARCHER - SCIENTIFIC ASSOCIATE**

Scientific advisor for project development, European research program Lactimed - University of Thessaly

https://www.youtube.com/watch?v=DRf-pyfunYE

https://www.youtube.com/watch?v=Lo6W\_ly70t8



2013 - 2015

Architect - Creative design consultant

#### **BUSINESS DEVELOPMENT DIRECTOR - VIRTUAL WORLDS**

Technical Business Development Director – Digital design and simulation company in virtual environments (1st SME research and innovation award from the European Union – Human Innovation Technologies S.A., www.human-itech.com, E $\lambda\lambda$ á $\delta\alpha$ . https://www.youtube.com/watch?v=rErJFTJxvQ4



2011 - 2012Research Fellow

#### **RESEARCHER - SCIENTIFIC ASSOCIATE**

Scientific partner, Researcher, European research program NOVAGRIMED University of Thessaly



2009 - 2019
 Researcher

#### **RESEARCHER - SCIENTIFIC ASSOCIATE**

Researcher - Scientific collaborator - Teacher of the Research Scientific Laboratory "Rural Space Laboratory" of the University of Thessaly (Professor in charge: D. Goussios)



2008

Researcher

#### **RESEARCHER - CHAIRMAN OF A CONFERENCE SESSION**

Chair of the "Environmental Acoustics" session of the National Scientific Conference "Acoustics 2008", Xanthi School of Architecture, Democritus University of Thrace



#### 5. PROFESSIONAL EXPERIENCE

1996 - 2004 Research Fellow

#### **RESEARCHER - SCIENTIFIC ASSOCIATE**

Research associate of GRECAU research center (GRECO-ERIAC) in Digital methods of representation of spatial design, and development of IT simulation systems - Bordeaux School of Architecture, France (Prof. C. Semidor)



1998 - 2004 Educational / IT organization consultant

#### PEDAGOGICAL CONSULTANT

Pedagogical consultant for the organization of training in information systems – Multinational company of SAP Engineers & Consultants based in Paris (and in the subsidiaries Cadra, Syntony), France Projects: Turbomeca (Pau – France, 2002-03), Calcia (Paris Region, France, 2002), Haironville (Champagne – France, 2002), Metro (Paris, France, 2001-02), Eurovia (Paris, France, 2001), Sofedit (Paris, France, 2001), Plasticomnium (Lille, France, 2000), Stef-Tfe (Paris, France, 1999-2000), Sagem (Paris, France, 1999), Colgate (Brussels, Athens, 1998-99).

Actions: Creation-Confirmation of a new company work cartography, Creation of a methodological work framework, Creation of pedagogical manuals for end users, Planning of new work procedures and business organization - business-functional approach manuals, Definition and pedagogical presentation of the new organizational structure of the company, Presentation of educational modules , Participation in scenarios and final tests of IT and business information systems. Creation of a knowledge database, Transfer of knowledge and competence, Definition of objectives / tools to assess user effectiveness after the adaptation of the complete system. Help in the creation and conception of job profiles, Organization of user training based on profiles and qualifications, job position needs, Conception and creation of pedagogical manuals, Organization and training of end users, Preview of preventive action plan to find malfunctions, Management of a team of internal consultants, Contribution of work methodology, Defining and recording actions in relation to the overall project team.



1996 - 1997
 IT manager

#### **RESEARCHER - SCIENTIFIC ASSOCIATE**

Head of IT laboratories (Digital representations of spaces and objects: Digital design, image composition, Architectural, urban and spatial planning with digital media, Multimedia), Ecole d'Architecture et de Paysage de Bordeaux, France



1996 - 1997Architect - Freelancer

#### **ARCHITECT ENGINEER - SCIENTIFIC ADVISOR**

Architect Engineer partner and expert consultant in matters of digital design and simulation of architectural compositions and objects (Architecture, urban design and simulation, restoration, configuration, CAD, image composition, Animation, Architectural Technology,).

- CINETECH Study, Marc Benayoun Architectural Office, Bordeaux, France
- Vergonie-UFR study, Architecture firm " niveau 3 ", Bordeaux, France



#### 5. PROFESSIONAL EXPERIENCE

1994-1996, & 1997-1998 Architect - Freelancer

#### **ARCHITECT ENGINEER - SCIENTIFIC ADVISOR**

Architect Engineer Associate (architectural composition and design simulation of architectural compositions and urban interventions with Computers, Office Architect Nik. Kaltsa, Larissa)



1992 - 1993
 Researcher

#### **RESEARCHER - SCIENTIFIC ADVISOR**

Research Center Researcher on Digital Representations of Spatial Design and Objects with Digital Media, IT, Technology and Simulation in Architecture and Urban Planning, (Computer Design, Architectural Technology, CAD, Simulation, Image Synthesis, Development of IT Applications in CAD, Artificial Intelligence ), C.R.A.I. (Centre de Recherche en Architecture et Informatique Ingenierie) – School of Architecture Nancy - France



1992 - 2003

Member of the Technical Chamber of Greece

#### **ARCHITECT ENGINEER - MEMBER**

Member of the Technical Chamber of Greece as architect Engineer (registration no.: 61927)



2004- 2023 Researcher

#### **RESEARCHER - MEMBER**

Member of the Hellenic Institute of Acoustics EL.IN.A.



2005- 2023Researcher

#### **RESEARCHER - MEMBER**

Mέλος από 2005, eCAADe (Education & Research in Computer Aided Architectural Design in Europe)



#### **5. PROFESSIONAL EXPERIENCE** 6.

#### Architectural & other works

2021 - 2023
 Assistant Professor - Creative designer

#### DIGITAL CREATIVE DESIGNER

Conception, design and development of a comprehensive website and logo for the Department of Interior Architecture, International Hellenic University. <a href="https://ia.ihu.gr">https://ia.ihu.gr</a>



2020
 Freelancer Web Creative designer

#### **DIGITAL CREATIVE DESIGNER**

Designing a digital e-commerce platform,, <u>www.tradesportshoes.com</u>



2018 - 2020 Researcher

#### **RESEARCHER - DIGITAL DESIGNER**

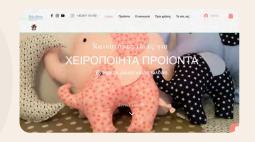
Design of an interactive online application of a pilot tool for the digital representation of guarantee procedures of a Participatory Guarantee System), (Postdoctoral studies with a pan-Hellenic competition scholarship "Researcher support"), Special Secretariat Operational Program Management "Human Resource Development, Education and Lifelong Learning", Ministry of Economy and Development <a href="https://kouzeleas.eu5.org/pano/PGS/index.htm">https://kouzeleas.eu5.org/pano/PGS/index.htm</a>



2009 - 2019Freelancer Web Creative designer

#### **DIGITAL CREATIVE DESIGNER**

Digital e-commerce platform design www.babystories.net



2018 - 2023Freelancer Web Creative designer

#### **DIGITAL CREATIVE DESIGNER**

Digital e-commerce platform design www.sideris-shoes.com



#### 5. PROFESSIONAL EXPERIENCE

#### Architectural & other works

9 2016

Freelancer Web Creative designer

#### **DIGITAL CREATIVE DESIGNER**

E-mall Thessalia e-commerce digital platform design

2013

Architect - Freelancer

#### ARCHITECT ENGINEER - DIGITAL CREATIVE DESIGNER

Design of interior architecture and home decoration in a VRML- VR environment with online interactive traffic, Larissa, Greece



2007

Architect - Freelancer

#### **ARCHITECT ENGINEER**

Hotel exterior design, Zeus, Platamonas, Pieria, Greece

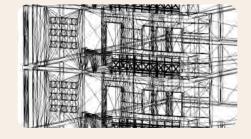


2004

Architect - Freelancer

#### **ARCHITECT ENGINEER**

Two-storey house, Larissa, Greece



1998

Architect - Freelancer

#### **ARCHITECT ENGINEER**

Office building, Tyrnavos, Greece



1997

Architect - Freelancer

#### **ARCHITECT ENGINEER**

Design and simulation of BERGONIE-URF hospital, Architecture firm: "Niveau 3", Bordeaux, France



1997

Architect - Freelancer

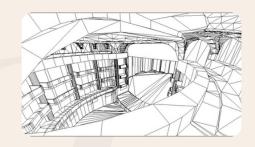
#### **ARCHITECT ENGINEER**

Architectural technological study of 3 auditoriums using digital media. CINETECH study, Architectural office: Marc Benayoun, Bordeaux, France



#### 6. SCIENTIFIC INTERESTS

- Digital representations of spaces and objects
- · Digital spatial planning and simulation Design,
- Development and Programming in Multimedia (multimedia applications)
- Virtual Reality
- Augmented Reality
- · Architecture and interior & exterior decoration
- Organic Architecture
- Creative design
- Applications of design and multimedia presentation systems in the promotion of territorial resources
- Territorial Marketing
- Virtual multimedia spatial navigation
- · Digital cities
- Creation of interactive multimedia websites and online consultation tools
- · Development of digital online spatial simulation applications
- Geo-referenced digital representation of spatial properties
- Develop programming code in a CAD and multimedia environment
- Real-time 3D spatial navigation
- · Pedagogical consulting
- Business development
- Presentation of professional studies Advertising (video, logos, social, branding)
- Image and video editing
- Communication











2024

## Honors, Scholarships, prizes, competitions

1. Selection, based on the published international research work, by the British evaluation agency of the world University ranking "Times Higher Education - (THE)" (one of the 3 largest global evaluation agencies along with Shanghai Ranking and Quacquarelli Symonds - QS), to the world committee of academics to evaluate the world ranking of Universities (World University Rankings) https://www.timeshighereducation.com/world-university-rankings -



Co-organizer of the workshop "Advanced and Innovative web Apps 2025" of the the world's largest international conference on computer applications "2025 International Conference on Computational Science and Its Applications" - 2024.

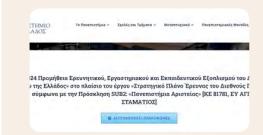


President/organizer of the scientific conference/workshop "OUT2IN -Architectural and visual spatial routes", International Hellenic University - https://ia.ihu.gr/2024/11/15/out2in\_1/ - 2024



Scholarship / grant for submitting a research proposal as Scientific Director within the framework of the "University of Excellence" International Hellenic University "Simulation and booking of one-stop tourist services (One-Stop Touristic Services - OSTS), September 2024, Code OPS TA 5180665

https://www.ihu.gr/posts/post-27030



#### Honors, Scholarships, prizes, competitions

- Invitation as a distinguished Chair/Speaker to present the award-winning scientific paper "Assessment Contribution of an Architectural Indoor Healthy Status via Biosensors Particles Spatial Simulation", at the international conference "11th WCAM-2025, Annual World Congress of Advanced Materials, May 12-14, 2025, Kobe, Japan" 2025
- Invitation as a distinguished speaker to present the award-winning scientific paper "Assessment Contribution of an Architectural Indoor Healthy Status via Biosensors Particles Spatial Simulation", at the international conference "4th Global Summit on Advances in Earth Science and Climate Change" (Adv. ESCC 2025), September 29-30, 2025, Berlin, Germany 2024
- Invitation as a distinguished speaker to present the award-winning scientific paper "Assessment Contribution of an Architectural Indoor Healthy Status via Biosensors Particles Spatial Simulation", at the international conference "6th Global Summit on Advances in Medicinal Chemistry and Pharmacology" (Adv. Med Chem 2025), April 03-04, 2025, Amsterdam, Netherlands 2024
- 8 Invitation as a distinguished speaker to present the award-winning scientific paper "Assessment Contribution of an Architectural Indoor Healthy Status via Biosensors Particles Spatial Simulation", at the international conference "2nd Global Conclave on Future of Biosensors and Bioelectronics", June 26-27, 2025, Berlin, Germany 2024
- Invitation as a distinguished Chair/Speaker to present the award-winning scientific paper "Assessment Contribution of an Architectural Indoor Healthy Status via Biosensors Particles Spatial Simulation", at the international conference "12th WCAM-2026, Annual World Congress of Advanced Materials, June 16-18, 2025, Osaka, Japan" 2026











#### Honors, Scholarships, prizes, competitions

- Invitation as a distinguished speaker to present the award-winning scientific paper "Assessment Contribution of an Architectural Indoor Healthy Status via Biosensors Particles Spatial Simulation", at the international conference "5th International Conference on Future of Preventive Medicine and Public Health (Future of PMPH 2025)", March 20-21, 2025 London, UK 2024
- Invitation as a distinguished speaker to present the award-winning scientific paper "Assessment Contribution of an Architectural Indoor Healthy Status via Biosensors Particles Spatial Simulation", at the international conference "10th International Congress on Biomaterials and Biosensors (BIOMATSEN)", April 8-14, 2025 Fethiye/Mugla, Turkey 2024
- Guest Editor of the international scientific journal "Frontiers in Computer Science" (2.4 Impact Factor, 4.3 CiteScore, 2500 Citations) of the Swiss editions "Frontiers" on the research-topic "Al-Driven Innovations in Virtual Reality: From Synthetic Data Generation to Immersive Rehabilitation and Education" https://www.frontiersin.org/research-topics/67101/ai-driven-innovations-in-virtual-reality-from-synthetic-data-generation-to-immersive-rehabilitation-and-education 2024
- Πρόσκληση για θέση " Member of Editorial Board " στο διεθνές επιστημονικό περιοδικό "Artificial Intelligence and Education" – Μάρτιος 2025 https://ojs.sin-chn.com/index.php/AIE
- Invitation for the position of "Co-Editor-in-Chief or Associate Editor" in the international scientific journal "Sociology Compass" of the reliable editions "WILEY" 2024

  https://compass.onlinelibrary.wiley.com/journal/17519020











#### Honors, Scholarships, prizes, competitions

Invitation for an "Editorial board" position in the international scientific journal "MC Agriculture & Environmental Sciences (MCAES)" (IF: 1.489) -2024

https://themedicon.com/agricultureenvironmental

- Invitation for an "Editorial board" position in the international scientific journal "PS Engineering" (IF: 0.713) - 2024 https://primerascientific.com/psen
- Invitation for an "Editorial board" position in the international scientific journal "Mathematics and Computer Science" (IF: 2.0, CiteScore: 3.1) -2024

https://www.sciencepublishinggroup.com/journal/247/home

- Invitation for a position on the "Editorial board" of the international scientific journal "Proceedings of the International Academy of Sciences", 2024 - 2024 https://researchportalcentral.com/journalHome.html? id=17f81b84-0064-4ec6-b842-cf41a88d91d0
- Invitation for a position on the "Editorial board" of the international scientific journal "Journal of Food Technology and Applications", 2025 https://accscience.com/journal/FTA
- Best Article "Assessment Contribution of an Architectural Indoor Healthy Status via Biosensors Particles Spatial Simulation" from the Scientific Journal "MC Agriculture & Environmental Sciences (MCAES)" (IF: 1.489) - 2024 https://themedicon.com/agricultureenvironmental
- Best Article "Assessment Contribution of an Architectural Indoor Healthy Status via Biosensors Particles Spatial Simulation" from the Scientific Journal "MC Engineering Themes Journal (MCET)" (IF: 1.653) -2024 https://themedicon.com/engineeringthemes



03. Ανάλυση Βιογραφικού / 7. Διακρίσεις - Βραβεία





#### Honors, Scholarships, prizes, competitions

First Prize (researcher selection) in a National research competition from the Special Funds and Research Account (ELKE) of the University of Thessaly with an honorary scholarship for postdoctoral studies from the European Regional Development Fund (European Interreg program) for the period 2022-2023. General Topic: "Eco.Muse - NETWORK OF OPEN HOUSE MUSEUMS FOR THE HIGHLIGHT AND GLOW ENHANCEMENT OF AREAS WITH ENVIRONMENTAL HISTORY". Special Topic: "Highlighting open ecomuseums through digital interactive virtual tours and VR environment" (2022-23)



- Honorary scholarship award for postdoctoral studies from the European Social Fund (ESF) of the EU. through a National competition "Supporting researchers of the Special Secretariat for the Management of the Operational Program "Human Resource Development, Education and Lifelong Learning", of the Ministry of Economy and Development for the period 2018-2020.
- And Andread Control of Control of
- First place/researcher selection in a National research competition in the European research program HORIZON "HNV High Natural Value" of the University of Thessaly (2017).

  http://www.hnvlink.eu/



- EU Innovation Award and a grant from the General Secretariat of Research and Technology for the implementation of innovative IT products (creation of virtual worlds with artificial intelligence) of the company Human Innovation Technologies S.A (Technical Director of work development) (2012-2015).
- Technologies S.A.

  Human.Innovation.Technologies s.A.
  science for people

**Human Innovation** 

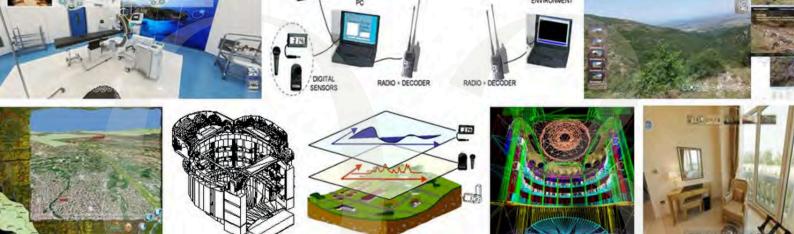
Innovation Technologies S.A.

Chair of the "Environmental Acoustics" session of the National Scientific Conference "Acoustics 2008", Xanthi School of Architecture,

Democritus University of Thrace, Greece

<a href="http://acoustics2008.arch.duth.gr/">http://acoustics2008.arch.duth.gr/</a>





#### 8.1 RESEARCH-SUMMARY

03. Cv.s analysis / 8.1 Research - Summary

SUMMARY

Partial research presentation

MODELING

http://www.researchgate.net/profile/Stelios Kouzeleas http://cumincad.scix.net/ , search for : kouzeleas www.numpoint.com

## SET OF RESEARCH PAPERS (54)

Postdoctoral & Doctoral theses chapters Postgraduate research theses

Articles in Scientific
Journals

Articles under publication in journals

Publications in conference proceedings

#### OTHER RESEARCH ACTIVITIES

70 74

Citations - ResearchGate Citations - h-index 5

Citations - Google Scholar - Lectures in h-index 5 Masters

03

Participation in International European programs

Researcher in Research centers

Reviewer in Scientific international journals

Invitations
Journal Co-Editor &

distinguished speaker

Co-organizer Scientific Conferences

02

Best article in Journals

02



## POST-DOCTORAL DISSERTATIONS

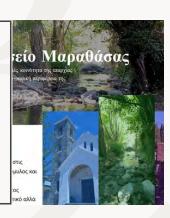
#### 2022-2023 2ND POST-DOCTORAL THESIS

https://ecomuseumcyprus.com/

https://ecomuseumcyprus.com/

University of Thessaly Postdoctoral Program (duration 1 year). Department of Spatial Planning, Urban Planning and Regional Development Engineering.

Area of expertise: Creative design and Promotion of open House Museums and digital representations of virtual tours.



General Topic: "Eco.Muse - NETWORK OF OPEN HOUSE MUSEUMS FOR THE HIGHLIGHT AND GLOW ENHANCEMENT OF AREAS WITH ENVIRONMENTAL HISTORY".

Special Topic: "Highlighting open ecomuseums through digital interactive virtual tours". European Interreg program of the European Regional Development Fund through ELKE University of Thessaly (Project code: 6839).

#### 2018-2020 IST POST-DOCTORAL THESIS

https://www.ijeit.com/archive/107/volume-9-issue-9-march-2020.html

University of Thessaly Postdoctoral (duration 2 years).
Department of Spatial Planning, Urban Planning and Regional
Development Engineering.

Field of expertise: Territorial marketing and digital representations.



Special topic: "Development of pilot interactive multimedia application of digital representation of processes of a Participatory Guarantee System" (within the general title: "Alternative food networks and territorial marking. The role of consumers in improving the recognition and effectiveness of participatory guarantee systems".

Postdoctoral Operational program "Human Resource Development, Education and Lifelong Learning" within the framework of the action "Supporting researchers with an emphasis on young researchers - EDBM34" of the Special Secretariat for the Management of Sectoral Operational Programs of the European Social Fund (ESF) of the Ministry of Development and Investments.



# DOCTORAL THESIS

1998-2002 DOCTORAL THESIS - EXCELLENT

http://cumincad.scix.net/cgi-bin/works/Show?diss\_kouzeleas

PhD from the University of Bordeaux 1, France (duration 5 years). Field of specialization: Engineering, sciences and architecture with digital methods of spatial planning and digital representations (simulations) (Mécanique, sciences et techniques architecturales)



Specialty: "Spatial digital design, digital representations of spaces and objects (simulation) and Multimedia, CAD, architectural acoustic simulation, use and development of design and representation applications using programming and IT).

Title: "Développement d'un outil d'aide en simulation acoustique architecturale adaptable à un système de modélisation CAO" [Development of an aid program (tool) in Architectural acoustic simulation, adapted to a system of digital spatial design — CAD simulation)] — N  $^{\circ}$  2642,

Doctoral School of Natural Sciences and Engineering, University of Bordeaux 1, France, (Praise: "Très honnorable" - DOATAP Equivalence "Excellent", aff. 14341/2013). Existing relevant certificate of recognition from DIKATSA (Act No. 1-590).



# MASTERS THESES

1992-1993 2ND MASTER'S THESIS

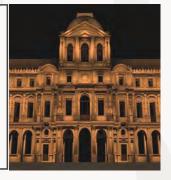
Processus informatique d'aide à la modélisation géométrique d'un espace en vue de la simulation acoustique (IT aid methodology for geometric modeling of a space in a CAD system for acoustic visualization).



Research report (postgraduate research paper), School of Architecture and Landscape of Bordeaux – ERIAC-GRECO center of research, Bordeaux, 1997, France

#### **1992-1993** IST MASTER'S THESIS

Image synthesis: Local illumination-Illumination models in CAD systems. Master's research thesis, School of Architecture of Nancy, 1993, France



Master's research thesis, School of Architecture of Nancy, 1993, France



## PUBLICATIONS IN JOURNALS

JOURNALS WITH PEER REVIEW

2025 KOUZELEAS, S., TSOLAKIDIS, I.

13

 $\frac{https://www.springerprofessional.de/en/contribution-to-nosocomial-infections-detection-via-biosensors-p/51206936}{}$ 

«Contribution to Nosocomial Infections Detection via Biosensors Particles Spatial Simulation in Mixed Reality Environment", In: Gervasi, O., Murgante, B., Garau, C., Taniar, D., C. Rocha, A.M.A., Faginas Lago, M.N. (eds), Lecture Notes in Computer Science, vol 15891, Part VI, pp. 17-32, 2025, Springer



#### 2024 S. KOUZELEAS, I. TSOLAKIDIS

12

https://doi.org/10.1007/978-3-031-65343-8\_11

Assessment Contribution of an Architectural Indoor Healthy Status via Biosensors Particles Spatial Simulation. In: Gervasi, O., Murgante, B., Garau, C., Taniar, D., C. Rocha, A.M.A., Faginas Lago, M.N. (eds), Lecture Notes in Computer Science, vol 14825. Springer, Cham.

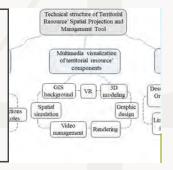


#### 2024 S. KOUZELEAS, D. GOUSSIOS



https://doi.org/10.1007/978-3-031-65273-8\_28

Description of a Pilot Digital Interactive Tool of Territorial Resource' Spatial Projection and Management. In: Gervasi, O., Murgante, B., Garau, C., Taniar, D., C. Rocha, A.M.A., Faginas Lago, M.N. (eds), Lecture Notes in Computer Science, vol 14818. Springer, Cham.



#### 2023 S. KOUZELEAS



https://doi.org/10.31534/engmod.2023.2.ri.06m

"Architectural and Urban Spatial Digital Simulations", International Journal for Engineering Modelling 36(2), pp. 95-118, (Scopus Journal), Faculty of Civil Engineering, Architecture and Geodesy, University of Split, Croatia, Scope: Modeling and Simulation (Q4)

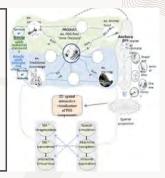


#### 2022 S. NIKOLAIDOU, S. KOUZELEAS, D. GOUSIOS

9

#### https://doi.org/10.1111/soru.12392

"A territorial approach to social learning: facilitating consumer knowledge of local food through participation in the guarantee process", Sociologia Ruralis Journal 63(1), pp. 66-88, Wiley editions, Published on 16/06/2022, (Impact factor 4.1). Contribution: "Issues of adaptation and development of a pilot interactive multimedia application simulating the processes of a Participatory Guarantee System".

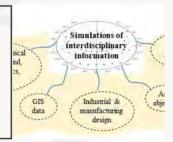


#### 2022 KOUZELEAS, S.,

8

#### http://dx.doi.org/10.21474/IJAR01/14219

"Scientific impact of architectural indoor augmented reality 3D digital representations", International Journal of Advanced Research, 10 (02), 425-432, (impact factor: 7,33)

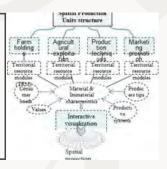


#### 2020 KOUZELEAS, S., NIKOLAIDOU, S., GOUSSIOS, D., GOULAS, A.

7

#### https://www.ijeit.com/Vol%209/Issue%209/IJEIT1412202003\_01.pdf DOI: 10.17605/OSF.IO/D2AC8

"Pilot interactive visualization tool of a Participatory Guarantee System: The case of 'Terra Thessalia"s PGS'", International Journal of Engineering and Innovative Technology (IJEIT), Vol 9, No 9, March 2020, pp. 1-17, (impact factor: 5,34, ISRA Journal-Impact-Factor),



#### 2018 KOUZELEAS, S.,

6

#### http://dx.doi.org/10.21474/IJAR01/14219

"Real-time remote monitoring urban and architectural 3D digital design and spatial simultaneous simulation", International Journal of Advanced Research, 6 (12), 360-377, (impact factor: 7,08)



#### 2018 S. KOUZELEAS



 $\frac{\text{https://www.journalijar.com/article/24985/educational-process-of-teaching-computer-aided-design-familiarization-of-novice-students-with-techniques-of-digital-architecturalurbanplanning-design-and-interactive-simulation-of-a-built-up-area/}{}$ 

"EDUCATIONAL PROCESS OF TEACHING COMPUTER AIDED DESIGN: Familiarization of novice students with techniques of digital architectural / urban / planning design and interactive simulation of a build-up area", International Journal of Advanced Research, 6 (9). 424-441 (impact factor: 7,08)





KOUZELEAS, S., MAMMOU, O., 2012

https://aijcrnet.com/journal/index/267

https://aijcrnet.com/journals/Vol\_2\_No\_8\_August\_2012/24.pdf

"Architectural, urban digital design and spatial simulation tools in digital cities cartography: Contribution in spatial design and perception", International American Journal of Contemporary Research (IAJCR), Vol 2, No 8, pp. 237-256



2012 .KAIMARIS, D., KOUZELEAS, S., KARAGIANNAKI, CH., LINAKI, E.

https://www.ijastnet.com/journal/index/240

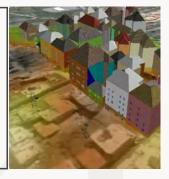
"Detection of Urban Alteration with the Use of CAD and Remote Sensing Data: The Case of Trikala, Center Greece", International Journal of Applied Science and Technology, Vol 2, No 4, p. 12-22



2011 KOUZELEAS, S.,

https://doi.org/10.20396/parc.v2i7.8634585

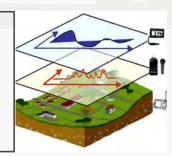
"Computational design contributions of integrative architectural and urban digital design methodology based on satellite images", International Journal in Research in Architecture and Construction PARC, Department of Architecture and Building of the School of Civil Engineering, Architecture and Urban Design of the State University of Campinas, Brazil (UNICAMP), Vol 2, No7, p. 98-113



2007 PAPADIMITRIOU, K., KOUZELEAS, S.,

sa=t&rct=j&g=&esrc=s&source=web&cd=&cad=rja&uact=&&ved=2ahUKEwjR6ciHh6f8AhVVQvEDHb9lB0YQFnoECAkQAQ&

"Methodological approach to the geographical dimension of the urban soundscape", Scientific journal "Geographies", Semiannual review of Space Sciences, Department of Geography, Harokopion University, Exantas Publications, Issue 13, edition 2nd semester 2007, pp. 145-157



#### 8.5 PUBLICATION IN BOOK CHAPTERS



## RESEARCH

## PUBLICATION IN BOOKS CHAPTERS

WITH PEER REVIEW

2025 KOUZELEAS, S., TSOLAKIDIS, I.

https://www.springerprofessional.de/en/contribution-to-nosocomial-infections-detection-via-biosensors-p/51206936

«Contribution to Nosocomial Infections Detection via Biosensors Particles Spatial Simulation in Mixed Reality Environment", In: Gervasi, O., Murgante, B., Garau, C., Taniar, D., C. Rocha, A.M.A., Faginas Lago, M.N. (eds), Lecture Notes in Computer Science, vol 15891, Part VI, pp. 17-32, 2025, Springer



#### 2024 S. KOUZELEAS, I. TSOLAKIDIS

02

#### https://doi.org/10.1007/978-3-031-65343-8\_11

Assessment Contribution of an Architectural Indoor Healthy Status via Biosensors Particles Spatial Simulation. In: Gervasi, O., Murgante, B., Garau, C., Taniar, D., C. Rocha, A.M.A., Faginas Lago, M.N. (eds) Computational Science and Its Applications – ICCSA 2024 Workshops. ICCSA 2024. Lecture Notes in Computer Science, vol 14825. Springer, Cham.

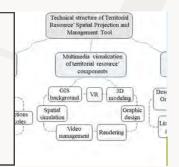


#### 2024 S. KOUZELEAS, D. GOUSSIOS



#### https://doi.org/10.1007/978-3-031-65273-8\_28

Description of a Pilot Digital Interactive Tool of Territorial Resource' Spatial Projection and Management. In: Gervasi, O., Murgante, B., Garau, C., Taniar, D., C. Rocha, A.M.A., Faginas Lago, M.N. (eds) Computational Science and Its Applications – ICCSA 2024 Workshops. ICCSA 2024. Lecture Notes in Computer Science, vol 14818. Springer, Cham



#### 8.6 UNDER PUBLICATION IN SCIENTIFIC JOURNALS



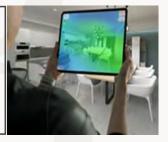
## UNDER PUBLICATION IN JOURNALS

JOURNALS WITH PEER REVIEW

**2024** KOUZELEAS, S., TSOLAKIDIS, I., VLACHONASIOU, E.

1

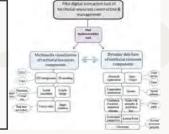
Description of indoor pilot 3D representation system of comfort conditions in Mixed Reality environment", ", Interaction Design & Architecture, Scopus Journal, (under publication)



2025 KOUZELEAS, S., GOUSSIOS, D.

2

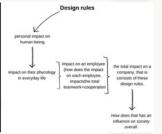
"Digital interactive tool for the construction and management of territorial resources", International Journal of Engineering Science, Elsevier Eds (under submission)



**2025** PEMMA, A., KOUZELEAS, S.

3

"The impact of the organic architecture on the employees in building workplaces", Architecture, MDPI Eds (under submission)



2025 KOUZELEAS, S., DIMOVELIS, D.

4

«Smart house and Indoor spatial simulation", Lecture Notes in Computer Science, 2025, Springer





# CONFERENCE PUBLICATIONS

#### PROCEEDINGS WITH PEER REVIEW

#### 2019 S. KOUZELEAS

1

https://www.researchgate.net/publication/357969588\_Built\_Environment\_Re-Visited\_Ergaleia\_\_Epembaseis\_\_ \_Protaseis\_Praktika\_Epistemonikes\_Diemeridas\_Serres\_5-6i22019\_Epimeleia\_tomou\_praktikon\_L\_Theodoridou\_M\_N\_Daniel\_kai\_A\_Galanes\_eds\_Serres\_DiPaE\_Tmem\_

"DIGITAL AND MULTIMEDIA REPRESENTATIONS OF URBAN SETS: Techniques, applications, research, perspectives and contribution to spatial perception, analysis and urban regeneration", Scientific conference, "Built Environment Re-Visited. Tools - Interventions - Proposals", December 5-6, 2019, Serres Campus - IHU, Proceedings, pp. 161-180



2019 NIKOLAIDOU, S., KOUZELEAS, S., GOULAS, A., GOUSSIOS, D.

2

https://esrs2019.no/workgroup/wg3l-benefits-challenges-social-learning-and-controversies-around-local-food-systems/sofia-nikolaidou-participatory-guarantee-systems-for-small-farms-and-local-markets-involving-consumers-in-the-guarantee-process/

"Participatory Guarantee Systems for small farms and local markets: Involving consumers in the guarantee process", XXVIII European Society for Rural Sociology Congress, ESRS 2019, 25-28 June 2019, Trondheim, Norway



**2010** KOUZELEAS, S., MAMMOU, O.



 $\underline{https://www.researchgate.net/publication/215465989\_Spatial\_simulation\_systems\_and\_metho\_dologies\_in\_digital\_cities\_and\_metho\_dologies\_and\_metho$ 

"Spatial simulation systems and methodologies in digital cities", 4nd International Conference "From Scientific Computing to Computational Engineering" (IC-SCCE), Proc, ISBN 978-960-98941-5-9, pp. 649-656, 7-10 July 2010, Athens, Greece



2008 KOUZELEAS, S.,



https://www.researchgate.net/publication/2l5465992\_Processes\_aspects\_of\_modeling\_interactive\_digital\_visualization\_and\_multimedia\_represent ation\_of\_architectural\_and\_urban\_area

ation\_of\_architectural\_and\_urban\_area

"Processes aspects of modeling, interactive digital visualization and multimedia representation of architectural and urban area", 11th International Conference on Computer Graphics and Artificial Intelligence (3IA'2008), ISBN: 2-914256-10-8, proc. pp. 205-210, May 30-31, 2008, Athens, Greece



#### 2008 S. KOUZELEAS

5

 $\frac{\text{https://www.researchgate.net/publication/215465994\_Methodology\_of\_interactive\_simulation\_and\_vizualization\_of\_urban\_space\_acoustic\_rates\_with\_digital\_geographic\_reference}$ 

"Methodology of interactive simulation and visualization of acoustic values of urban space with digital geographic reference", Acoustic Conference 2008, Hellenic Institute of Acoustics, School of Architecture, Democritus University of Thrace, Xanthi, Greece pp. 301-309, 29 Sept. – 1 Oct. 2008

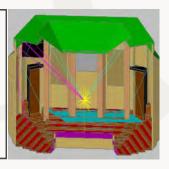


2008 HATJIGEORGIOU, G., KOUZELEAS, S.

6

https://www.researchgate.net/publication/2l5465997\_Architectural\_acoustic\_simulation\_original\_mesurements\_architectural\_and\_acoustic\_analysis\_of\_the\_Raphael\_Hall\_of\_Anatolia\_American\_College

"Architectural acoustic simulation, standard measurements, architecture and acoustic analysis of the "Raphael Hall of the American College of Anatolia", Conference Acoustics 2008, Hellenic Institute of Acoustics, School of Architecture, Democritus University of Thrace, Xanthi, pp. 411-420, 29 Sept. – 1 Oct. 2008

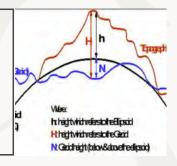


2007 KOUZELEAS, S.

7

HIGH PROCESSING AND THE SECTION OF T

"Conversion of GPS data to cartesian coordinates via an application development adapted to a CAD modelling system", 2nd International Conference on Experiments / Process / System Modeling / Simulation & Optimization, 2nd IC-EpsMsO, E-Proc, ISBN: 960-530-093-1, University of Patras, 4-7 July 2007, Athens, Greece



2007 KOUZELEAS, S., PAPADIMITRIOU, K.,

8

"Computing process description for real-time modelling in a CAD system based on remotely transmitted GPS data", 25th eCAADe Conference, Education and research in Computer Aided Architectural Design in Europe, eCAADe 2007, Wiesbaden and Frankfurt, 26-29 September 2007

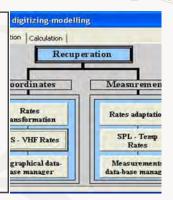


#### 2006 KOUZELEAS, S., PAPADIMITRIOU, K.

9

https://www.google.com/url? sa=t&rct=j&q=&esrc=s&source=web&cd=&ved=2ahUKEwi68daYkKf8AhXHSvEDHT]mB-IQFnoECA8QAQ&url=http%3A%2F%2Fpapers.cumincad.org%2Fdata%2Fworks%2Fatt%2F2006\_128.content. pdf&usg=AOvVawIWIDcyb5TYQltfLRXHApHO\_

"Real time remote 3D digitizing and modeling", International Congress eCAADe 2006 – 24th eCAADe Conference, Education and research in Computer Aided Architectural Design in Europe, ISBN 0-9541183-5-9, Pages 128-131, University of Thessaly, 6-9 September 2006, Volos, Greece



#### 2006 PETROPOULOU, C., KOUZELEAS, S., PAPADIMITRIOU, K.,



https://www.researchgate.net/publication/2i5467032\_Contribution\_to\_the\_formation\_of\_a\_collective\_aspect\_of\_space\_via\_a\_holistic\_approach\_Methodological\_approach\_and\_application\_description\_

"Contribution to the formation of a collective aspect of space via a holistic approach. Methodological approach and application description", International Congress ERSA2006, 46th European Congress of the Regional Science Association, (abstract id: 635, participant number: 1259), 30 August - 3 September 2006, Volos, Greece

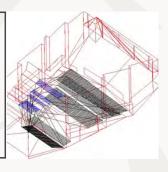


#### 2006 KOUZELEAS, S.



 $\underline{\text{https://www.researchgate.net/publication/215466008\_Surfaces\_properties\_management\_via\_geometrical\_ray\_tracing\_simulation\_in\_a\_Cad\_system}$ 

"Surfaces properties management via geometrical ray tracing simulation in a Cad system", 2nd International Conference "From Scientific Computing to Computational Engineering" (ICSCCE), E- Proc, ISBN: 960-530-080-X, 5-8 July 2006, Athens, Greece

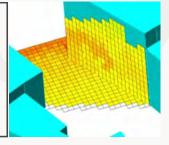


#### 2006 KOUZELEAS, S., PAPADIMITRIOU, K.



https://www.researchgate.net/publication/215466008\_Surfaces\_properties\_management\_via\_geometrical\_ray\_tracing\_simulation\_in\_a\_Cad\_system\_

"Methodology of 3D acoustic simulation and real-time remote measurements", Acoustics Conference 2006, ISBN 978-960-89639-0-0, pp. 61-66, Hellenic Institute of Acoustics, Technology and Research Foundation, Heraklion Crete, 18-19 September 2006



Dr Stelios Kouzeleas

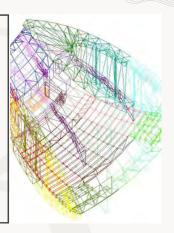


#### 2006 KOUZELEAS, S., PAPADIMITRIOU, K.



https://www.researchgate.net/publication/2l5466008\_Surfaces\_properties\_management\_via\_geometrical\_ ray\_tracing\_simulation\_in\_a\_Cad\_system

"Definition of a method of limits of the simplification of a hall model in a CAD system to diminish falsification of acoustic simulation results", International Congress eCAADe 2005 - 23nd eCAADe Conference Proceedings, Education and research in Computer Aided Architectural Design in Europe, Subject: "Digital Desing: the quest for new paradigms", ISBN: 0-9541183-2-4, pp. 695-704, http:/cumincad.scix.net/cgibin/works, Technical University of Lisbon, Portugal, 21-24 September 2005



#### 2005 KOUZELEAS, S., PAPADIMITRIOU, K.



https://www.researchgate.net/publication/21546602LPERIGRAPHE\_ENOS\_SYSTEMATOS\_GIA\_TEN\_MONTELOPOIESE\_KAL\_PROSOMOIOSE\_C HORIKON\_CHARAKTERISTIKON\_SE\_PRAGMATIKO\_CHRONO

"Description of a system for the modeling and simulation of spatial characteristics in real time", 1st National Conference of Urban planning, spatial planning & regional development -Contemporary trends - New researchers, Thematic section: New technologies in spatial visualization and analysis, University of Thessaly, Volos, 12-14 May 2005, Greece



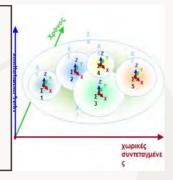
#### 2005 PAPADIMITRIOU, K., KOUZELEAS, S.



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sa=t&rct=i&g=&esrc=s&source=web&cd=&ved=2ahUKEwiL6fXzkaf8AhX6RPEDHctrCBwOFnoECBMOAO&url=http%3A%2F%2F papers.cumincad.org%2Fdata%2Fworks%2Fatt%2Fd2a9.content.05556.pdf%usg=AOvVaw3\_B\_-i8TIOolFPf8Hlp-P7

"REAL-TIME SOUNDSCAPE SIMULATION: A method for real time spatial analysis of sound via modeling in a CAD environment based on acoustical measurements", 14th European Colloquium on Theoretical and Quantitative Geography, ISBN: 972-98309-7-5, pp. 98-99, September 9-13, 2005, Tomar, Portugal

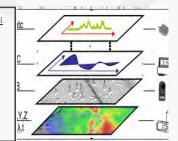


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"Cartographic performance model of the sound dimension of the urban environment", Scientific Conference of "Geographies" Journal on the topic: "Geography of the Metropolis: Aspects of the phenomenon in the Greek area", Thessaloniki October 21-22, 2005, Greece

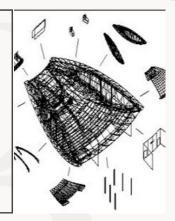


#### 2004 KOUZELEAS, S.



https://www.researchgate.net/publication/30871849\_COMPUTATIONAL\_PROCESSES\_OF\_A\_HALL\_CAD\_MODELISATION\_FOR\_ACOUSTIC\_SIMULATION\_ACCORDING\_TO\_ACCEPTED\_GEOMETRY\_FORMAT\_VIA\_ACOUSTIC\_SOFTWARE

"Computational processes of a hall cad modelisation for acoustic simulation according to accepted geometry format via acoustic software", 1st International Conference "From Scientific Computing to Computational Engineering" (IC-SCCE), E-proc, pp. 38 in abstracts book, 8-10 September 2004, Athens, Greece

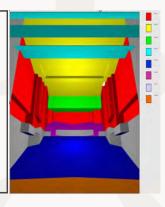


#### 2004 KOUZELEAS, S.



https://www.researchgate.net/publication/2l5467048\_Fpharmoges\_akoustikes\_geometrikes\_prosomoioses\_aithousas\_me\_te\_boetheia\_platphormas\_akoustikes\_prosomoioses\_prosarmosmenes\_se\_systema\_CAD\_Application\_of\_acoustic\_geometric\_simulation\_of\_halls\_with\_the\_

"Applications of acoustic and geometric room simulation using an acoustic simulation platform adapted to a CAD system", Proceedings of the conference Acoustics 2004, pp. 375-382, Hellenic Institute of Acoustics, AUTH, Thessaloniki, September 27-28, 2004



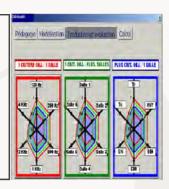
#### 2002 KOUZELEAS, S., SEMIDOR, C.,



https://doi.org/10.25144/18333

https://www.researchgate.net/publication/ 2l5467049\_Architectural\_translation\_of\_the\_acoustical\_simulation\_results

"Architectural translation of the acoustical simulation results", International congress of the Institute of Acoustics, subject: Auditorium Acoustics: Historical and contemporary design and performance, Imperial College, Proceedings: Vol. 25 - Part 4 - 2002 – ISBN: 1 901656 47 0,19-21 July 2002, London, England

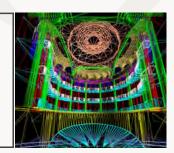


#### **2001** KOUZELEAS, S., SEMIDOR, C.



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The influence of the simplified architectural model on the acoustical simulation results. 17th International Congress on Acoustics, Proceedings: Vol. 5 - Architectural acoustics, ISBN:88-88387110, 2-7 Septembre 2001, Rome, Italy, pp. 340-341,





## EPEYNA

# PUBLICATIONS IN CONFERENCES

WITHOUT PEER REVIEW

2024 KOUZELEAS, S.

5

https://ia.ihu.gr/2024/11/15/out2in\_1/

"Architectural spatial routes", Scientific Conference / workshop OUT2IN / From OUTdoor to INdoor - «Architectural & visual arts spatial routes», 29/11/2024, University campus of Serres, International Hellenic University, Greece



#### 2023 KOUZELEAS, S.



 $\underline{\text{https://eco-muse.eu/wp-content/uploads/2023/11/Final-Event-Ecomuse\_UTH\_KOUZELEAS.pdf}$ 

"Digital Representation of EcoMuseums of Marathasa, Cyprus & Sitia, Crete", Eco.Muse Conference: Network of Open EcoMuseums for the Highlighting and Gentle Enhancement of Areas with Environmental Historicity, October 26-27, 2023, Sitia, Crete, Greece



#### 2020 KOUZELEAS, S.



https://www.google.com/url?

sa=t&rct=j&q=&esrc=s&source=web&cd=&ved=2ahUKEwiZlNmEl6f8AhVKR\_EDHSQXAoMQFnoECBYQA Q&url=https%3A%2F%2Fapps.iee.ihu.gr%2Fapi%2Fannouncements%2F5e3445lbOf799l783a638e87%2Fdown load%2F5e3445lbOf799l783a638e89&usg=AOvVaw3lwaHAsT5dcYCdG4YlX4V5

SPATIAL DIGITAL INTERACTIVE SIMULATIONS: Interdisciplinary applications - research - and perspectives, 1st International Hellenic University Research and Innovation Internal Conference, IHU, Thessaloniki, Greece



#### **8.8 PUBLICATIONS IN CONFERENCES**



#### 2015 KOUZELEAS, S.

2

https://www.ekalampaka.gr/portal/article.asp?articleid=15120&lang=gr

"Multimedia visualization of Vlachostrata: Recording and projection process" in the context of a nomadic culture promotion day with the aim of declaring the whiteriver location as a UNESCO World Heritage Site, KENAKAP, Municipality of Kalambaka, Greece, 2015



#### 2014 KOUZELEAS, S.



 $\underline{\text{http://www.dsathen.gr/el/all/schueler/studium-und-beruf/1745-2bb-2014-programm-vortraege/file}$ 

"Innovative methods of training, evaluation and selection of personnel through simulation of a work environment in a virtual world", Job Opportunities Day, German School of Athens, November 22, 2014





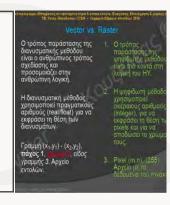
# LECTURES IN MASTERS

SERIES OF LECTURES

2017-2020 INTERNATIONAL HELLENIC UNIVERSITY

1

"METHODOLOGIES FOR PLANNING AND MULTIMEDIA PRESENTATION OF URBAN SETS", "AUTOMATION OF DATA INPUT IN A CAD ENVIRONMENT", "DIGITIZATION (VECTOR - RASTER). DIGITAL RENDERING IN 2D AND 3D), Topographic Applications. Background, Department of Civil Engineering, Master: "Interventions in existing buildings and urban ensembles: Reinforcements, reuse and spatial renewals",



#### 2017-2020 INTERNATIONAL HELLENIC UNIVERSITY

2

"DIGITAL IMPRESSION PERFORMANCE IN 2D AND 3D MODELS. STANDARDIZATION-ARCHIVING OF DIGITAL IMPRESSION RESULTS", Imprints of buildings and urban space with advanced tools, Department of Civil Engineering, Master: "Interventions in existing buildings and urban ensembles: Reinforcements, reuse and spatial renewals"



2017-2020 INTERNATIONAL HELLENIC UNIVERSITY

3

"The role of innovation for the formation of intelligent and sustainable cities", Applied urban planning, Standards, Department of Civil Engineering, Master: "Interventions in existing buildings and urban ensembles: Reinforcements, reuse and spatial renewals"



#### 2017-2020 INTERNATIONAL HELLENIC UNIVERSITY



"3D modeling of cities: application of interactive technology in modern urban planning", Topographic applications - Backgrounds, Department of Civil Engineering, Master: "Interventions in existing buildings and urban ensembles: Reinforcements, reuse and spatial renewals",



#### 2011-2018 UNIVERSITY OF THESSALY



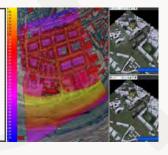
"Digital spatial design and digital simulation in urban space and city plan ("planning")", Master-Dyntar Lecture, Department of Spatial Engineering, Urban Planning and Regional Development, University of Thessaly, Volos



#### 2011-2018 UNIVERSITY OF THESSALY



"Digital urban simulation methodologies: Techniques, applications and innovative research", Master-Dyntar Lecture, Department of Spatial Engineering, Urban Planning and Regional Development, University of Thessaly, Volos



#### 2010-2018 UNIVERSITY OF THESSALY



"Methodologies for modeling, digitalization and interactive visualization of urban space with digital geographic reference via real-time distance and remote sensing techniques", Master-Dyntar Lecture, Department of Spatial Engineering, Urban Planning and Regional Development, University of Thessaly, Volos



#### 2010-2018 UNIVERSITY OF THESSALY



"Digital simulation of space: Methods, techniques, applications, research", Master-Dyntar Lecture, Department of Spatial Engineering, Urban Planning and Regional Development, University of Thessaly, Volos



#### 2014 UNIVERSITY OF THESSALY



"Digital architectural design and digital representations" in the context of undergraduate studies, Department of Spatial Planning and Development Engineering, University of Thessaly, 2014, Volos



#### 2012 UNIVERSITY OF THESSALY



"ARCHITECTURAL & URBAN PLANNING DIGITAL SPATIAL PLANNING AND SIMULATION: Techniques, applications, research, perspectives and contribution to spatial analysis, perception and regional development", within the three master's programs "Urban Planning and Spatial Planning", "Spatial Analysis and Environmental Management", "European Studies in Regional Development", Department of Spatial Engineering, Urban Planning and Regional Development, University of Thessaly, Volos



#### 2011 UNIVERSITY OF THESSALY



"Digital simulation in urban and spatial planning: Techniques, applications and research", Master's lecture "Spatial analysis and environmental management", Department of Spatial Engineering, Urban Planning and Regional Development, University of Thessaly, Volos



#### 2011 UNIVERSITY OF THESSALY



https://docplayer.gr/10948127-Ellinopyrgos-ependyste-sti-dynami.html

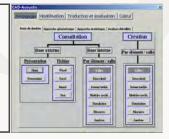
"Digital cities: Management of city functions through an interactive platform of digital planning and representations", Lecture at the meeting of Greek expatriates of Hellinopyrgos in collaboration with the University of Thessaly, Municipal authorities and cultural associations. Hellinopyrgos, Greece, August 2011



2000-2001 UNIVERSITY OF BORDEAUX 1 & SCHOOL OF ARCHITECTURE OF BORDEAUX - FRANCE



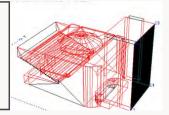
"Digital Representation Methods Adapted to Architecture, Engineering and Acoustic Simulation Program", MSc- MASTER-DESS "Environment & Amenities for Architecture & Urban Planning", University of Bordeaux 1 & Bordeaux School of Architecture, France



SCHOOL OF ARCHITECTURE PARIS VAL DE SEINE & UNIVERSITY OF PARIS VI - FRANCE



"Applications of Digital Representation Methods in Architectural Acoustic Simulation"", MASTER-DESS "Architecture and Urban Acoustics", School of Architecture Paris Val de Seine and University Paris VI, France







# RESEARCH PROGRAMMS

PARTICIPATION

ECO. MUSE

**DIGITAL REPRESENTATIONS, TERRITORIAL MARKETING, CREATIVE DESIGN**Highlighting open ecomuseums through the design of digital interactive multimedia representations

#### UNIVERSITY OF THESSALY

Προσρομος Μυλος Δημήτριος

Εγγραφή
Εγγραφίτε στο ενημερωτικό δελτίο μας
Το email σας

KαθProfessor: Dr Stelios Kouzeleas -Assistant Professor (Participation as a postdoctoral researcher with a scholarship in the Interreg European Postdoctoral Research Program) Acad. year: 2022-2023 Universities: Department of Interior Architecture (International University of Greece) (Dr Stelios Kouzeleas, Faculty Member) -Department of Spatial Planning, Urban Planning and Regional Development Engineering (University of Thessaly) Project code: Project code: 6839 (ELKE - University of Thessaly) Funding body: European Interreg program of the European Regional Development Fund through ELKE University of Thessaly. Area of expertise: Emergence of ecomuseums and digital representations of virtual tours. General Topic: "Eco.Muse - NETWORK OF OPEN HOUSE MUSEUMS FOR THE HIGHLIGHT AND GLOW ENHANCEMENT OF AREAS WITH ENVIRONMENTAL HISTORY". Special Topic: "Highlighting open ecomuseums through digital interactive VR & virtual tours (territorial marketing)".

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δραστηριστήτων, πολιτιστικού και γευροικού κτιρθάλοντος
καθαστίνητων, πολιτιστικού και γευροικού κτιρθάλοντος
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Dr Stelios Kouzeleas

RESEARCH



PGS

2

**TERRITORIAL MARKETING, DIGITAL REPRESENTATIONS, CREATIVE DESIGN**Design of an interactive online pilot tool for the digital representation of Guarantee procedures of a Participatory Guarantee System

#### UNIVERSITY OF THESSALY

202-8



Professor: Dr Stelios Kouzeleas - Assistant Professor (Participation as a post-doctoral researcher with a scholarship in the post-doctoral European Operational Research program EDBM34 - EKT) Acad. year: 2018-2020 Universities: Department of Interior Architecture (International University of Greece) (Dr Stelios Kouzeleas, Faculty Member) -Department of Spatial Planning, Urban Planning and Regional Development Engineering (University of Thessaly) Project code: Code Project 5671, Code Beneficiary: 501103 (ELKE - University of Thessaly) Funding body: "Human Resource Development, Education and Lifelong Learning" within the framework of the action "Supporting researchers with an emphasis on young researchers - EDBM34" of the Special Secretariat for the Management of Sectoral Operational Programs of the European Social Fund (ESF) of the Ministry of Development and Investments. Field of expertise: Territorial Marketing, Digital Representations, Creative Design.. General Topic: "Alternative food webs and territorial marking. The role of consumers in improving the awareness and effectiveness of participatory certification systems' Special topic: "Design of an interactive online pilot tool for digital representation of warranty procedures of a Participatory Guarantee System"

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RESEARCH



## HORIZON HNV



#### **CREATIVE DESIGN**

DESIGN AND IMPLEMENTATION OF INTERACTIVE AND PROMOTIONAL APPLICATIONS

#### UNIVERSITY OF THESSALY



Participation in the European research program "HORIZON" of the University of Thessaly as Scientific partner Researcher: "HNV - High Natural Value". Responsible for planning and implementing interactive and promotional applications (Prof. D. Goussios).



HNV-Link High Nature Value Far Innovation and Knowledge

## LACTIMED



#### **CREATIVE DESIGN**

Product design and promotion

#### **UNIVERSITY OF THESSALY**



Participation in the European research program "Lactimed" of the University of Thessaly as Scientific partner Researcher: "Promotion of production and distribution of typical and innovative Mediterranean dairy products" (Prof. D. Goussios).

RESEARCH

## TRANSHUMANCE



## MULTIMEDIA DIGITAL REPRESENTATIONS, TERRITORIAL MARKETING, CREATIVE

Design and highlighting of territorial resources, implementation of a multimedia interactive flying simulator application

# Καθαριστου Αντικου Αν

#### **UNIVERSITY OF THESSALY**

Participation in the European research program "Transhumance" of the University of Thessaly as a Research Associate Researcher: "Itineraries and culture of the nomadic world cultural heritage - "Transhumance - Flying simulator". Responsible for planning and implementing a multimedia interactive application highlighting the territorial resource of Aspropotamos, Thessaly. (Prof. D. Goussios).

## **NOVAGRIMED**

6

1 - 2012

#### **DIGITAL DESIGN AND REPRESENTATIONS**

Digital design, Placement and unit simulation



## **GRECO-ERIAC PHASE 2**

#### **DIGITAL DESIGN & REPRESENTATIONS & APP DEVELOPMENT**

Digital design, room representation for architectural acoustic simulation and simulation application development.



#### UNIVERSITY OF THESSALY

Participation as a Post-doctoral Researcher in the Research Group of the School of Architecture of Bordeaux, France, GRECO-ERIAC Research Center (today GRECAU), Research program "Development of modeling and simulation applications of architectural room compositions and Architectural technology using Computers - phase 2"-, Bordeaux, 2002-04, France

## **GRECO-ERIAC PHASE 1**

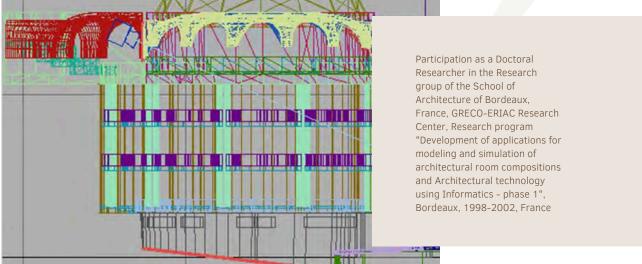


#### DIGITAL DESIGN AND REPRESENTATIONS

Digital room design and representation for architectural acoustic simulation



# UNIVERSITY OF THESSALY

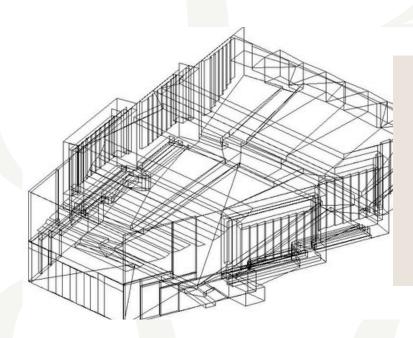


## ROOMS SIMULATION



#### **DIGITAL DESIGN AND REPRESENTATIONS**

Digital design and spatial representations methodologies and processes



#### **UNIVERSITY OF THESSALY**

Participation as a Postgraduate
Researcher in the Research Group of
the School of Architecture of
Bordeaux France, Research Center
ERIAC (today GRECAU), Research
Program "Methodologies, ways and
procedures of modeling and
presenting architectural compositions
of rooms using Computers for future
acoustic simulation", Bordeaux, 1996
-97, France

## **CRAI**



#### DIGITAL DESIGN & REPRESENTATIONS, PROGRAMMING DEVELOPMENT

Digital Design, Lighting and Programming Development in a CAD environment





#### **UNIVERSITY OF THESSALY**

Participation as Postgraduate Researcher in the Research Group of the School of Architecture of Nancy, France, CRAI Research Center, Research Program of Architectural Modeling and Lighting of the Louvre Museum Using Computers, Nancy, 1993, France





## SUBMISSION OF RESEARCH PROPOSALS

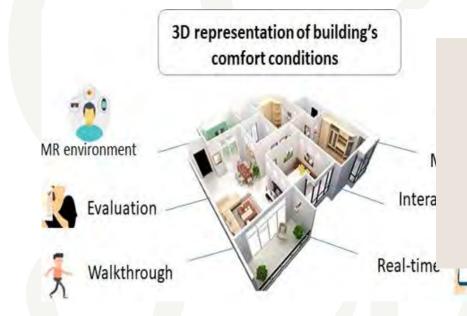
IN PUBLIC BODIES AS SCIENTIFIC RESPONSIBLE

«GREECE 2.0»



#### 3D REPRESENTATION IN MIXED REALITY ENVIRONMENT

3D Spatial Representations, VR, AR, MR



Submitting a Research Proposal as a Scientific Officer within the framework of "Greece 2.0" NATIONAL RECOVERY AND RESILIENCE PLAN "FUNDING OF BASIC RESEARCH". ID 16618 – Sub-Project 1 (MIS: 5163923)- Sub-Action 1 - Scientific & Thematic Area OP.2 "Engineering Sciences and Technology".

#### HELLENIC RESEARCH AND TECHNOLOGY FOUNDATION

2

# INDOOR PILOT 3D REPRESENTATION OF COMFORT CONDITIONS IN MIXED REALITY ENVIRONMENT

3D Spatial Representations, VR, AR, MR



Submission of a Research Proposal as a Scientific Officer within the framework of the 2nd Call for Research Projects EL.ID.EK. (Hellenic Research & Innovation Foundation) for the support of Faculty Members and Researchers

7025



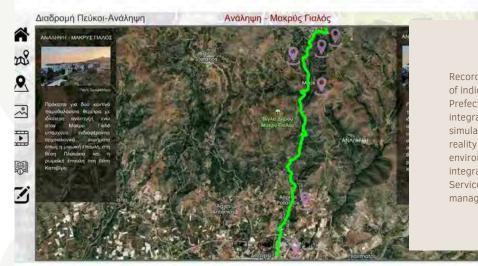
## ACCEPTANCE OF RESEARCH PROPOSALS

IN PUBLIC BODIES AS SCIENTIFIC RESPONSIBLE

## **«UNIVERSITIES OF EXCELLENCE»**

3

SIMULATION AND BOOKING OF ONE-STOP TOURISTIC SERVICES (OSTS).
3D Spatial Representations, VR, AR, MR (ACCEPTANCE & SCHOLARSHIP)



Recording, digitization and integration of indicative tourist services of the Prefecture of Serres through integrated digital multimedia spatial simulation of multiple levels in a mixed reality pilot online platform environment with the possibility of an integrated One-Stop Touristic Services (OSTS) reservation management system.

## INTERNATIONAL HELLENIC UNIVERSITY

4

INTEGRATED 2D / 3D DIGITAL CAD DESIGN: Software Synergy, Automation and Productivity Increase



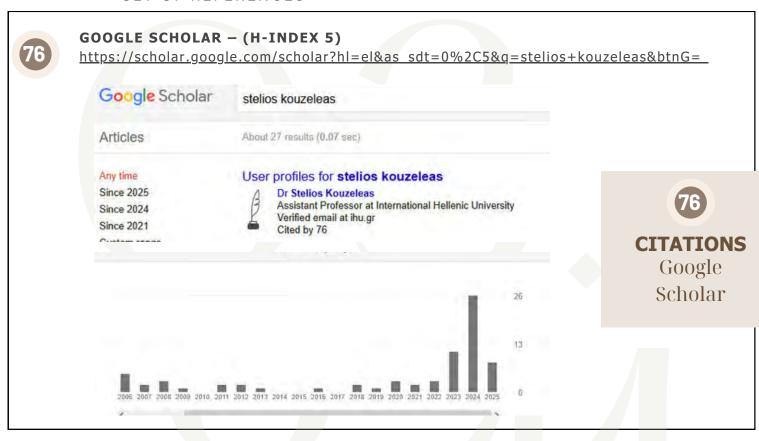
Synergy of multiple 2D / 3D digital design software and adaptation to user needs. Automation and productivity increase through customization of options and programming development in a CAD environment.

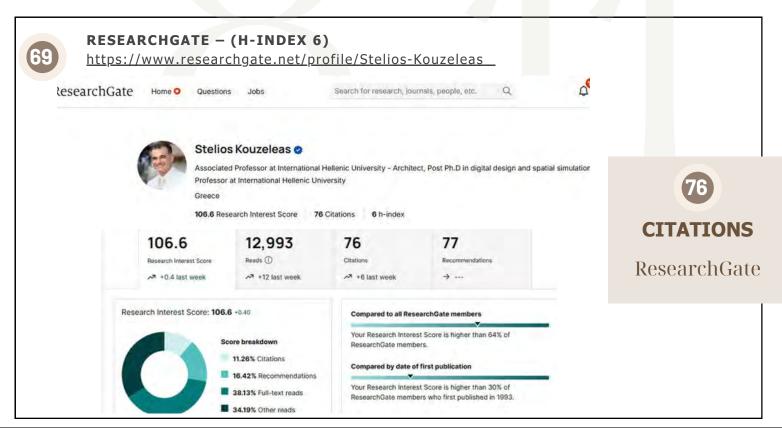


# *EPEYNA*

# CITATIONS

SET OF REFERENCES









# CITATIONS DOCUMENTS

INDICATIVE DOCUMENTS

#### 1999 UNIVERSITÉ PAUL SABATIER DE TOULOUSE

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### 2024 PLOS ONE JOURNAL



DOI: https://doi.org/10.1371/journal.pone.0296263

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### 2020 PORTO UNIVERSITY



https://www.google.com/url?sa=t&source=web&rct=j&opi=89978449&url=https://repositorio-aberto.up.pt/bitstream/10216/128966/2/414762.pdf&ved=2ahUKEwiqzaXage-HAxXtSPEDHbTvPGgQFnoECBMQAQ&usg=AOvVaw1tKjv-an0AqSgOpeR\_u4cZ\_

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### 2024 UNIVERSITY OF STUTTGART



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### 2024 UNIVERSITY OF STUTTGART



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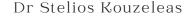
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https://doi.org/10.1111/soru.12392





## RESEARCH CENTERS

RESEARCHER

1992-1993 ECOLE D'ARCHITECTURE DE NANCY - NANCY



CRAI Research Center - School of Architecture of Nancy, France



1996-2004 ECOLE D'ARCHITECTURE ET DE PAYSAGE DE BORDEAUX, FRANCE



GRECO-ERIAC Research Center, GRECAU - School of 'Architecture and Landscape of Bordeaux, France



2009-2024 UNIVERSITY OF THESSALY



Research center "Laboratory of Rural Areas" - Department of Spatial Planning and Regional Development Engineering, University of Thessaly





# REVIEWER IN JOURNALS

REVIEWER IN INTERNATIONAL JOURNALS

### CAD ELSEVIER EDITIONS



http://www.elsevier.com/wps/find/journaldescription.cws\_home/30402/description\_

International Journal "CAD" — Elsevier Editions - ISSN: 0010-4485 — Impact factor: 3.471



### COMPUTERS, ENVIRONMENT AND URBAN SYSTEMS

**ELSEVIER EDITIONS** 



https://www.sciencedirect.com/journal/computers-environment-and-urban-systems

International Journal of "Computers, Environment and Urban Systems" – Elsevier Editions – ISSN: 0198-9715 - Impact factor: 1.183



### **ICCSA-LECTURE NOTES IN COMPUTER SCIENCE**

SPRINGER EDITIONS



https://iccsa.org/

ICCSA - International Conference on Computational Science and its Applications - Journal of Lecture notes in Computer Science (Springer)



# UNIVERSITY WORKS

A.U.TH

**1990** AUTH



The cultural development of the city of Larissa, Greece



**1989** AUTH



The industrial architecture of Greece after 1960.



**1989** AUTH



Architectural, socio-economic, cultural study of the village "Rapsani" in Thessaly.



**1988** AUTH



The relationship between theory and Architectural practice



# INDICATIVE UNIVERSITY WORKS

## AS SUPERVISOR - IHU

### 2023 DEPARTMENT OF INTERIOR ARCHITECTURE - IHU

Exterior and interior design of a house

Litsardopoulou Fai



### 2023 DEPARTMENT OF INTERIOR ARCHITECTURE - IHU

Architectural design of a house in Pelion Magnesia

Theodoridis Maria



### 2023 DEPARTMENT OF INTERIOR ARCHITECTURE - IHU

Architectural design of work environment in Thessaloniki

Anastasia-Maria Pemma



### 2024 DEPARTMENT OF INTERIOR ARCHITECTURE - IHU

Renovation with an energy design approach, of a hotel unit in Serres.

Nikiforakis Emmanouil



### 9. KNOWLEDGE - DEALING WITH ARCHITECTURE

# KNOWLEDGE

# ARCHITECTURAL ISSUES

### 9.1 ARCHITECTURE

- · Digital representations of Architectural space and objects
- Digital planning, simulation and Multimedia systems for highlighting spatial aggregates and territorial resources.
- Territorial Marketing
- Architectural, urban and urban planning Landscape planning
- Simulation of architectural urban compositions and interventions
  with digital representation methods (Digital design, Simulation,
  image composition, video, Animation, presentations using
  multimedia, internet, etc.)
- Digital cities
- Virtual spatial navigation combined with multimedia applications
- Artificial and augmented reality (VRML environment creation and simulation, VR, AR) and image compositing
- Programming development to create 3D real-time navigation in space with Database support
- Method of representing an architectural work with sculpture
- Architectural composition design and analysis, restoration, configuration,
- Architectural design, urban design, freelance design
- Three-dimensional geometric visualization of spaces and industrial products
- Decoration of Interior and Exterior spaces
- Architectural Acoustics
- Architectural technology with digital media, Structural physics and engineering, Construction, Construction









### 9. KNOWLEDGE - DEALING WITH ARCHITECTURE

## KNOWLEDGE

## ARCHITECTURAL WORKS

9.2 PROFESSIONAL ARCHITECTURAL WORKS

2007

### **Architect Engineer**

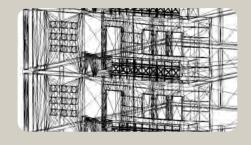
Exterior architectural design of Zeus Hotel, Platamonas, Pieria, Greece



2004

### **Architect Engineer**

Two-storey house, Larissa, Greece



1998

### **Architect Engineer**

Office building, Tyrnavos, Greece



997

### **Architect Engineer**

Design / simulation of BERGONIE-URF hospital, Architecture firm: «Niveau 3», Bordeaux, France



1997

### **Architect Engineer**

Architectural technological study of 3 auditoriums using digital means of representation. CINETECH Study, Architect: Marc Benayoun, Bordeaux, France



## ARCHITECTURAL WORKS

9.3 ARCHITECTURAL STUDIES AS A STUDENT



### **Architect Engineer (student)**

Traditional art center in Kalambaka. Thesis, "Excellent 10"



### 1990

### **Architect Engineer (student)**

Industrial design and mock-up of advertising brochures for a company's stand for the needs of the International Exhibition of Thessalonik, "Excellent 10"



### 1990

### **Architect Engineer (student)**

Transformation of the historical center of Thessaloniki., "Excellent 10"



### 990

### **Architect Engineer (student)**

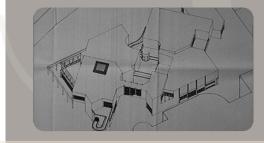
Configuration - Renovation - Restoration of a neoclassical building in Thessaloniki in a shopping center, "Excellent 10"



### 1989

### **Architect Engineer (student)**

Design of permanent exhibition stand of the International Exhibition of Thessaloniki, "Excellent 10"



### 1989

### **Architect Engineer (student)**

Municipal structure: Cultural center, Athens, "Excellent 10"





# SUPPLEMENTARY

ANNUAL STUDIES

2000 - 2001

### **Painting**

### **PARIS**

Certificate of annual drawing and painting studies - Modern art and multimedia training center "Maison populaire" - Paris, France

# STUDIES



1999 - 2000

### Sculpture

### **PARIS**

Certificate of annual studies in Sculpture - Educational center of modern art and multimedia "Maison populaire" - Paris, France.



# IT ISSUES

10.1 ACTIVITY ISSUES



- Applications of image composition, animation and multimedia presentation
- Development of virtual browsing and territorial marketing applications
- · Photo and video editing
- VR issues
- Development of online digital applications and consultation tools (mobile apps, forums, websites, e-shops, etc.)
- Organization of digital and electronic education, pedagogical engineering
- Development of programming in CAD, Open source websites,
   Multimedia applications
- Information systems
- Experience in software for engineers (Training, programming, technical support and management, use, ease of learning new software)
- Knowledge and experience of "software-hardware" solutions (responsible for IT premises, provider)
- Ability to analyze and synthesize IT processes











# APPLICATION FIELDS

### 10.2 IT APPLICATIONS

- Operating systems (Windows, Macintosh)
- Office organization (Desktop, Internet)
- Modeling Systems: CAD, Render, Solids Ease of learning to adapt new tools, Create interactive multimedia websites and online consultation tools, Develop digital web applications.
- GIS systems
- Spatial simulation: Animation, Rendering / image composition,
   Presentation, Multimedia, Spatial simulation of artificial environment,
   Spatial viewers, Slideshow, Stereoscopy, Virtual tour applications
   (Virtual tour), Virtual Reality (VR) & Augmented Reality (AR)
   applications
- Design, processing: Graphic design applications, Image processing
- Video editing: Editing, Authoring, Production
- Web design: Open source, Closed source, Html, CSS
- Internet: Communication, applications
- e-Learning and organization of electronic education
- Development, programming: (CAD, Multimedia)
- Conception and implementation of algorithms and programs for 3D visualization of objects and spaces in CAD, computer-based design systems and acoustic simulation (geometric reflections, materials, surfaces, etc.)
- Customization of commands to specific CAD modeling and production needs
- Digital registration of materials and properties on architectural, urban and spatial environment surfaces and processing of property values through CAD programming,
- Development of programming in a Multimedia environment
- Architectural acoustic simulation : Applications, Adaptation











### 10. KNOWLEDGE - DEALING WITH IT

## KNOWLEDGE

## SUPPLEMENTARY

10.3 ANNUAL STUDIES

2010 - 2011

### **Photograpy**

### LARISSA, GREECE

Certificate of annual studies in photography and its digital processing, Larissa Photography Club.

2006

**GIS** 

### A.U.TH.

Certificate of attendance of a University seminar in Geographic Information Systems (GIS), ArcGIS I, ArcInfo – ArcView, A.U.TH.

2001 - 2002

IT

### **PARIS**

Certificate of annual studies of applied informatics in animation and video, entitled "Cinéma, computer-aided animation", Educational center of modern art and multimedia "Maison populaire"-Paris, France

1995

### **MUSIC INFORMATICS**

### A.U.TH.

Certificate of attendance of a University seminar entitled "Musical Informatics", A.U.TH., Thessaloniki, 1995

1990 - 1991

### PROGRAMMING DEVELOPMENT

### **LARISSA**

Certificate of annual studies "computer handling, basic principles of programming", Private school, Larissa, Greece

1984

### **TYPING**

### **LARISSA**

Certificate of annual studies "computer handling, basic principles of programming", Private school, Larissa, Greece





## STUDIES













## OTHER KNOWLEDGES

11. ACTIVITIES

- Athletics Championships (100m)
- Musical instruments: Piano, Guitar
- Photo
- Painting
- Sculpture

### 12. OTHER ELEMENTS

# INFORMATION

# ID CARD

ID CARD ELEMENTS

- Greek citizenship
- Type A certificate from the competent recruiting office
- Criminal record: White

# LANGUAGES

## FOREIGN LANGUAGES

GREEK (EXCELLENT LEVEL)

Native language



French Language Proficiency University Degrees – NANCY 2 University Faculty of Philosophy, France:

- Diplôme d'Etudes française (2me dégré)
   (Sorbonne 2 equivalent) (proficiency)
- Diplôme d'Alliance française (proficiency)
   (Doctoral dissertation in French, Independent Teaching in French at 6 Universities for 12 years (France, Greece)



Written

Oral

### ENGLISH (VERY GOOD LEVEL)

LOWER college degree, The Center for Business Studies, London, England (Scientific publications and lectures).

Teaching in an international student community (Professional and Academic proficiency).

