

CURRICULUM VITAE

Date: 27.11.2023

Name & Surname: Anastasia Stavridou



Attribute:

- ASSISTANT PROFESSOR
Knowledge Object: Architectural Design of Small-Scale Structures
Department of Product and Systems Design Engineering
Polytechnic School
University of Western Macedonia
(Gazette of Appointment - ΦΕΚ: Γ/1902, 27.07.2023)
(Oath taking Day: 22.08.2023)
- PRINCIPAL INVESTIGATOR – Postdoctoral Researcher of the Department of Architecture A.U.Th. in the context of the 1st Announcement of H.F.R.I. research projects for the support of Postdoctoral Researchers. (Project Start Date: 04.09.2018, Project End Date: 03.03.2022)
- Postdoctoral Researcher of the Department of Architecture, A.U.Th.
(Excellence Scholarship of A.U.Th. Research Committee, 01.04.2016 – 31.03.2017)
- DOCTOR (PhD) of the Civil Engineering Department, Aristotle University of Thessaloniki - AUTH
- ARCHITECTURAL ENGINEER (Aristotle University of Thessaloniki - AUTH)
- ENVIRONMENTAL ENGINEER (Technical University of Crete - TUC)

Personal Information:

e-mail: astavridou@uowm.gr

Research Interests:

a) Architectural Design, Small-Scale Architecture, Interior Design, Object Design, Spatial Design, Process of Architectural Synthesis, Morphogenesis, Art & Architecture, **b)** Natural Ventilation of Buildings, Architectural Fluid Mechanics, Computational Fluid Dynamics (CFD), Bioclimatic Design, Environmental Design, Air Quality

Education:

- 22/7/2011: Proclamation to Doctor in the Department of Civil Engineering of the Polytechnic School of A.U.Th.
- 13/4/2011: Presentation and successful examination of the Doctoral Thesis at the Civil Engineering Department of the Aristotle University of Thessaloniki. Doctoral Dissertation Grade: "**EXCELLENT**".
- 10/4/09: Graduated in Architectural Engineering, graduate of the Department of Architecture of the Polytechnic School of A.U.Th. Degree Grade **8.72**.
- 21/7/2003: Graduated Environmental Engineer, graduate of the Technical University of Crete. Degree Grade **7.95**.
- 1998: Graduate. Baccalaureate grade 19 and $\frac{4}{8}$.

Postdoctoral Research:

- 04/09/2018 – 03/03/2022: **Principal Investigator** - Postdoctoral Researcher of the Department of Architecture, A.U.TH., in the context of the 1st Call for H.F.R.I. Research Projects for the support of Postdoctoral Researchers, in the implementation of the project **entitled:** *Explorations into spatial design and architecture incorporating art contribution and air participation. Creative form production and environmental integration.*
- 01/04/16 – 31/03/2017: Postdoctoral Research at the Department of Architecture, A.U.TH. with **Excellence Scholarship** of the Research Committee of A.P.TH.-2015 (ELKE). Topic: *"Architectural Design and Natural Ventilation of Buildings. Potentialities of Architectural Synthesis and Morphogenesis."*
- 23/07/2011 – 31/03/2016: Post-doctoral researcher, **after obtaining PhD**, in the Division of Hydraulics and Environmental Engineering of the Department of Civil Engineering of the Aristotle University of Thessaloniki. During this time, 6 relevant scientific publications have been processed, in international scientific journals and conferences, which are related to the scientific field "**Architectural Design**".

Excellence:

- **First (1st)** successful in the qualifying exams for university graduates, held in December 2004 for admission to the Department of Architecture A.U.TH.
- **Scholarship** for postgraduate studies to obtain a doctorate degree in the Greece, after successful participation in special competitions in science in 2005, conducted by the **State Scholarship Foundation (I.K.Y.)**. Row of success: Second (2nd). Sector: **Bioclimatic Design of Buildings and Sets**. Scholarship duration: 42 months.
- **Scholarship of Excellence** of the Research Committee of A.U.TH. - 2015 (ELKE) for Post-doctoral Research at the Department of Architecture, A.U.TH. Scholarship duration: 12 months

- **7th** in order of score (score: 93/100) and **15th** successful (due to ties) out of 40 successful proposals in the Scientific Research Area: ENGINEERING SCIENCES AND TECHNOLOGICAL SCIENCES, in the context of the 1st Call of H.F.R.I. research projects for support to Postdoctoral Researchers.

Degree Thesis:

- **PHD Thesis – Department of Civil Engineering A.U.TH.:**
"Investigation of natural ventilation of buildings with computational and laboratory simulation. Impact on architectural design."
- **Diploma Thesis – Department of Architecture A.U.TH.:**
"Breathing House" - The house that "breathes" - Residence with gallery and atelier
- **Diploma Thesis – Department of Environmental Engineering T.U.C.:**
"Study of Indoor Air Quality and Proposals of Architectural Configuration for the Reduction of the Exposure to Particulate Matter"
- **Research Thesis Project – Department of Architectural Engineering A.U.TH.:**
"Interior Syn-thesis"

Publications & Announcements:

- **Stavridou A., Chatzidimitriou A., Syrakoy A. – C., Kalogirou N., Prinos P., Ioannidis K., Kallipoliti L., Symeonidou I., Markousi M., 2022.** *"Explorations into spatial design and architecture incorporating art contribution and air participation. Creative form production and environmental integration"*. Display of research results of Aristotle University of Thessaloniki – Issue #30 / November 2022, Special Account of Research Funds, Vice – Rectorship for Research and Lifelong Education, Aristotle University of Thessaloniki, pp. 38 – 44. (Link for access at the Journal: <https://rc.auth.gr/erevnikiki-drastiriotita/erevnikika-apotelesmata/psifiakes-ekdoseis>)
- **Stavridou A., Chatzidimitriou A., Syrakoy A. – C., Kalogirou N., Prinos P., Ioannidis K., Kallipoliti L., Symeonidou I., Markousi M., 2022.** *"Explorations into spatial design and architecture incorporating art contribution and air participation. Creative form production and environmental integration (ESDA3): An overall presentation of the work development"*, ESDA3 Day Conference, Online Day Conference on 23.02.2022, Department of Architecture - AUTH (Host Institution: AUTH, Funding Source: HFRI & GSRI), [Presenter: **A. Stavridou**]
- **Stavridou A., Chatzidimitriou A., Syrakoy A. – C., Kalogirou N., Prinos P., Ioannidis K., Kallipoliti L., Symeonidou I., 2022.** *"Exploring "Art Contribution" and "Air Participation" on outdoor architectural solutions: Display of paradigms"*, ESDA3 Day Conference, Online Day Conference on 23.02.2022, Department of Architecture - AUTH (Host Institution: AUTH, Funding Source: HFRI & GSRI), [Presenter: **A. – C. Syrakoy**]
- **Stavridou A., Chatzidimitriou A., Syrakoy A. – C., Kalogirou N., Prinos P., Ioannidis K., Kallipoliti L., Symeonidou I., 2022.** *"Environmental Integration of buildings formed through the ESDA3 designing approach: Display of paradigms"*, ESDA3 Day Conference, Online Day

- Conference on 23.02.2022, Department of Architecture - AUTH (Host Institution: AUTH, Funding Source: HFRI & GSRI), [Presenter: **A. Chatzidimitriou**]
- **Stavridou A., Chatzidimitriou A., Syrakoy A. – C., Kalogirou N., Prinos P., Ioannidis K., Kallipoliti L., Symeonidou I., Markousi M., 2022.** *“Architecture and Air: Introducing a new connection between Art and the Environment through specific paradigms”*, ESDA3 Day Conference, Online Day Conference on 23.02.2022, Department of Architecture - AUTH (Host Institution: AUTH, Funding Source: HFRI & GSRI), [Presenter: **A. Stavridou**]
 - **Stavridou A., Chatzidimitriou A., Syrakoy A. – C., Kalogirou N., Prinos P., Ioannidis K., Kallipoliti L., Symeonidou I., 2022.** *“Environmental investigation on comparing two different art – driven façade configurations applied on the same building volume”*, ESDA3 Day Conference, Online Day Conference on 23.02.2022, Department of Architecture - AUTH (Host Institution: AUTH, Funding Source: HFRI & GSRI), [Presenter: **A. Chatzidimitriou**]
 - **Stavridou A., Chatzidimitriou A., Syrakoy A. – C., Kalogirou N., Prinos P., Ioannidis K., Kallipoliti L., Symeonidou I., Markousi M., 2022.** *“The experience of working in the ESDA3 research project for Workpackage 4: Preparation of geometries and meshes for CFD simulations”*, ESDA3 Day Conference, Online Day Conference on 23.02.2022, Department of Architecture - AUTH (Host Institution: AUTH, Funding Source: HFRI & GSRI), [Presenter: **M. Markousi**]
 - **Stavridou A., Chatzidimitriou A., Syrakoy A. – C., Kalogirou N., Prinos P., Ioannidis K., Kallipoliti L., Symeonidou I., Markousi M., 2022.** *“Presentation of the ESDA3 site: esda3site.wixsite.com/2021”*, ESDA3 Day Conference, Online Day Conference on 23.02.2022, Department of Architecture - AUTH (Host Institution: AUTH, Funding Source: HFRI & GSRI), [Presenters: **A. Stavridou, A. Chatzidimitriou, A. – C. Syrakoy**]
 - **Stavridou A., Chatzidimitriou A., Syrakoy A. – C., Kalogirou N., Prinos P., Ioannidis K., Kallipoliti L., Symeonidou I., 2021.** *“Investigation of microclimate and thermal comfort around an art – driven and air penetrable architectural structure”*. 15th ROOMVENT Virtual Conference, Energy Efficient Ventilation for Healthy Future Buildings. ROOMVENT2020 Conference, February 15th – 17th 2021 with live contents & February 15th – March 15th 2021 on demand (www.roomvent2020.org). PROCEEDINGS BOOK ISBN 9788894612301, Pages: 574-577
 - **Stavridou A., Chatzidimitriou A., Syrakoy A. – C., Kalogirou N., Prinos P., Ioannidis K., Kallipoliti L., Symeonidou I., 2020.** *“Creative air design approach in architecture: Investigating art produced notions translated into spatial design forms with air penetration potentiality”*. Fourteenth International Conference on Design Principles & Practices, Virtual conference held on 11-13 Nov 2020. (Host: Pratt Institute, **New York, USA**)
 - **Stavridou A., Chatzidimitriou A., Syrakoy A. – C., Kalogirou N., Prinos P., Ioannidis K., Kallipoliti L., Symeonidou I., 2019.** *“WORKSHOP. ESDA3 – Let’s think about CREATIVE AIR DESIGN, <https://workshopesda3.wixsite.com/2019>”*, The WORKSHOP – ESDA3 was held on 16th, 17th, 20th, 21st May 2019 at the Department of Architecture of Aristotle University of Thessaloniki, Greece. [Persons that participated/attended the WORKSHOP – ESDA3: **Alexi E.-V., Anastasiadi A., Anastasiadou E., Varsami K., Vafeidou E., Garmpis Th., Georgoudi Ai.,**

Gkeka S.-E., Efraimidou G., Zaraveli Z., Thoma Ou., Thomos A., Kamaratou Ai., Katsangelou S., Koutsouveli D., Konstantinidou M., Levantaki P., Leftherioti E., Lefas I., Malamoglou E., Bakousi A., Birsimi D.-R., Papadopoulou Th., Papoutsopoulou A.-M., Pavlidis P., Sargani V., Sachanidou S., Siamaris A., Toliopoulou E.-M., Tsanadi D., Choulioumi A., Karakontinos D.]. Link to the relevant announcement on the website of the Department of Architecture – A.U.Th.: <https://architecture.web.auth.gr/explorations-into-spatial-design-and-architecture-incorporating-art-contribution-and-air-participation-creative-form-production-and-environmental-integration/>

- **Stavridou A.D., Prinos P.E., 2017.** *Unsteady CFD Simulation in a Naturally Ventilated Room with a Localized Heat Source*, Procedia Environmental Sciences, Vol. 38, pp. 322-330
- **Stavridou A.D., Prinos P.E., 2016.** “*Unsteady CFD simulation in a naturally ventilated room with a localized heat source*”. International Conference on Sustainable Synergies from Buildings to the Urban Scale - SBE16, held in Thessaloniki 17th-19th October 2016, and linked for the publication in Elsevier’s “Procedia Environmental Sciences”
- **Stavridou A.D., 2016.** “*Impact of natural ventilation options on architectural synthesis. Floor plan, section, façade.*” Sustainable Mediterranean Construction. Land Culture, Research and Technology - SMC Magazine N.Three, Focus on Air and Environment, pp. 023-028
- **Stavridou A.D., 2015.** “*Breathing architecture: Conceptual architectural design based on the investigation into the natural ventilation of buildings*”. Frontiers of Architectural Research, Vol. 4, pp. 127-145
- **Stavridou A.D., Prinos P.E., 2013.** “*Natural ventilation of buildings due to buoyancy assisted by wind: Investigating cross ventilation with computational and laboratory simulation*”. Building and Environment, Vol. 66, pp. 104-119
- **Stavridou A., Prinos P., 2012.** “*Architectural Design through Theory: Architectural Synthesis through Environmental Issues*”, Protection and Restoration of the Environment XI, July 3-6, Thessaloniki
- **Stavridou A., Prinos P., 2006.** “*The impact of openings’ position on natural ventilation of buildings*”, 10th Pan-Hellenic Scientific Conference of G.H.U. (Greek Hydrotechnic Union), December 13-16, Xanthi
- **Stavridou A., Prinos P., 2006.** “*Investigating Natural Ventilation in a room using Computational Fluid Dynamics*”, Protection and Restoration of the Environment VIII, July 3-7, Chania
- **Eumorfopoulou E., Stavridou A., 2004.** “*The impact of vegetation on the indoor environment through a simulating method*”, PLEA Sustainable Architecture + Urban Design, September 19-22, Eindhoven – Netherlands
- **Stavridou A., Aleksandropoulou V., Lazaridis M., 2004.** “*A Study of Indoor Air Quality using the Simulation Model MIAQ*”, Protection and Restoration of the Environment VII, June 28 – July 1, Mykonos

Reviews:

- Reviewer in the international scientific journal "Frontiers of Architectural Research" of the publishing house Elsevier
- Reviewer at the Special Issue on ENVIRONMENTAL PLANNING, MANAGEMENT AND POLICIES published by the European Journal of Environmental Sciences, including some papers presented at the 15th International Conference on Environmental Science and Technology (CEST 2017).

Professional Experience:

- 07/11/2003: Member of the Technical Chamber of Greece, after successfully participating in the Environmental Engineering professional practice license exams.
- 07/07/2009: Grant of the professional practice license of the Architect Engineer.
- 07/11/2003 – today: Professional experience as Architect Engineer and Environmental Engineer with insurance at TSMEDE / EFKA.
- 24/8/2009 – today: Freelancer – with start of work for a natural person on a professional basis - as an Architect Engineer and Environmental Engineer. Works related to studies and projects such as: Architectural Design of Interior Spaces for residences, professional premises, shop premises, etc., Architectural Design of Outdoor Environment at the area of a Monument - Sculpture in Prasinada of Drama, School Buildings in a Municipality of the Prefecture of Thessaloniki (initial stage), etc.

Architectural design solutions for outdoor space, such as: bus station, structure in an urban square with seats and lighting, plaza canopies, urban outdoor park with activities and seats, high-rise public art, entrance structure at the surroundings of a cultural building, art installation in a public square, multi-purpose structure for outdoor space, etc. (esda3 research project), [sample of work on: <https://esda3site.wixsite.com/2021/wp3-architectural-design-solutions> & <https://esda3site.wixsite.com/2021/galleries>]

Architectural design solutions for buildings, such as: metro central station, art gallery, street office, underground building with a special roof structure, facade for an exhibition building, nature/landscape observatory, library, restaurant, pavilion, info – point, audio – point, ticket booth, mixed indoor - outdoor exhibition space, shop, residence, music art - café, co-working space, lecture room, exhibition space, etc. (esda3 research project), [sample of work on: <https://esda3site.wixsite.com/2021/wp3-architectural-design-solutions> & <https://esda3site.wixsite.com/2021/galleries>]

- 04/09/2018 – 03/03/2022: Initiative, concept / ideation, organization and writing of the proposal for the research project ESDA3, which came to the Department of Architecture AUTH and was funded by the Hellenic Foundation for Research and Innovation (H.F.R.I.) and the General Secretariat for Research and Innovation (GSRI), under grant agreement No [835], as well as coordination, research work of Principal Investigator, directorial/managerial action and execution of demanding acts for the successful completion of the research project, of a team of nine (9) members. [*Members of the research team*: Stavridou Anastasia (PI), Chatzidimitriou Angeliki, Syrakoy Athena – Christina, Kalogirou Nikolaos, Prinos Panagiotis, Ioannidis Konstantinos, Kallipoliti Lydia, Symeonidou Ioanna, Markousi Michalina]. [Division E' – Architectural Design and Architectural Technology, Department of Architecture AUTH]. [**Overall Budget** of the research project: **179.993,70** euros]
- 10/10/2022 – 23/12/2022: Architect Engineer (UE) in the Department of Studies and Supervision of Technical Projects of the Directorate of Studies and Projects of the Municipality

- of Kordelio - Evosmos, with a fixed-term private law employment contract (ASEP Announcement: 13K/2021).
- 31/5/2012 – 6/10/2012: Energy Inspector with a Temporary License according to relevant notification of the Special Service of Energy Inspectors after approval of the Advisory Committee of Energy Inspectors
 - 22/10/2013 – 22/10/2023: Holder of Class A Scholar's Degree in Study Categories 6 and 7.

Teaching Experience:

- Teaching experience on:
- Higher Education Institutions (HEIs)
 - Higher Technological Educational Institutions (TEIs)
 - Vocational Training Centers (VTCs)
 - Public Vocational Training Institutes (PVTIs)

Organization & Conduct of Scientific Activities:

WEBSITE

- **ESDA3 SITE:** <https://esda3site.wixsite.com/2021>
Creation and configuration of a central website with sample of material from the results of the ESDA3 Research Project. Organization of material presentation with **Galleries, Work-Package Showcase, Research Team**, etc.

DAY CONFERENCE

- **ESDA3 DAY CONFERENCE** held on 23.02.2022 (Venue: Via Zoom), **Department of Architecture, Aristotle University of Thessaloniki**, Funding Source: **HFRI & GSRI**.
Site of the ESDA3 DAY CONFERENCE: <https://esda3dayconference.wixsite.com/2022>
The subject of the ESDA3 Day Conference is **“Architecture and Air: Introducing a new connection between Art and the Environment” / “Αρχιτεκτονική και Αέρας: Συστήνοντας μια νέα σύνδεση μεταξύ Τέχνης και Περιβάλλοντος”**.
The analytic Program, the demonstrator Poster and other Information of the ESDA3 Day Conference can be reached through the aforementioned website.

WORKSHOP

- 16, 17, 20 & 21/05/2019 – Department of Architecture AUTH:
The research project with the title **“Explorations into spatial design and architecture incorporating art contribution and air participation. Creative form production and environmental integration.”** (ESDA3) and **Principal Investigator Dr. Anastasia Stavridou**, that was realized at the Department of Architecture AUTH and was funded by the Hellenic Foundation for Research and Innovation (H.F.R.I.) and the General Secretariat for Research and Innovation (GSRI), held a **Workshop**, with theoretical and practical part, as a dissemination action of the research. The participants had the opportunity to utilize the logic of the research and produce corresponding results.
ESDA3 Workshop Site: <https://workshopesda3.wixsite.com/2019>
More Information: <https://architecture.web.auth.gr/explorations-into-spatial-design-and-architecture-incorporating-art-contribution-and-air-participation-creative-form-production-and-environmental-integration/>

Interviews:

- 22/02/2022: Thessaloniki Municipal Radio **FM100**, on Despoina Avgeridou's show: Interview with A. Stavridou at 18:30 (<https://fm100.gr/live/fm100>). The aforementioned interview, on FM100, is **available** at the following link:
<https://www.facebook.com/anastasia.stavridou.3/videos/753694852280516>
- 16/03/2022: Interview of A. Stavridou on the show **O3 on ERT3**. The aforementioned interview is also broadcast on the following ERT online channel:
<https://www.youtube.com/watch?v=CXvLI6FcD6s>