

IOANNA STAVROULAKI

Researcher (Forskare)

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PROFILE - RESEARCH AREA

Ioanna Stavroulaki¹ is an architect and a researcher in the Spatial Morphology Group of the Division of Urban Design and Planning, Department of Architecture and Civil Engineering, Chalmers University of Technology. She conducts fundamental and applied research in Spatial morphology at urban and building scale. She uses advanced descriptive analytical methods and develops tools for spatial analysis applied to modelling spatial form and understanding its relation to human social activities (e.g. patterns of co-presence, movement flows, patterns of use, spatial cultures). She uses a large repertoire of analytical tools and representations ranging from Space Syntax and network analysis to visibility, isovist and lighting analysis, and from GIS-based modelling to architectural mappings. Since 2015, as part of the Spatial Morphology Group (SMoG) she focuses on tools to analyse the spatial form of the city and model how its spatial structure relates to urban processes of social, economic and ecological nature.

Parallel to her work as a researcher, from 2002 to 2015 she run a private architectural practice in Athens, Greece.

STUDIES

PhD 2008, School of Architecture, National Technical University of Athens (NTUA), Greece

Monography "The spatial construction of museum meaning", (369 pages, 284 figures, 306 references, 3 Appendices), in Greek, <https://www.didaktorika.gr/eadd/handle/10442/25341>

PhD Supervisor: John Peponis, Professor of Architecture, Georgia Institute of Technology and NTUA

M.Sc. 2002, Interdisciplinary Postgraduate Course: "Architectural design – Space – Culture", School of Architecture, National Technical University of Athens, Greece

Degree in Architectural Engineering (Integrated master, 5-year studies), 2001, School of Architecture, National Technical University of Athens, Greece

¹ To be noted that for some publications the name **Gianna Stavroulaki (G.S.)** was used.

PEDAGOGIC QUALIFICATIONS

Pedagogic course 2019, CLS905 Supervising research students, 3.0 credits (3.0hp), examiner: Christian Stöhr, Chalmers University of Technology

RESEARCH POSITIONS

Current employment:

2017 to present, Researcher (Forskare), Permanent position (100%), Spatial Morphology Group, Division of Urban design and Planning, Department of Architecture and Civil Engineering ACE, Chalmers University of Technology

Previous Research Positions:

2015-2017 Researcher (Forskare), 2-year temporary position (100%), Spatial Morphology Group, Division of Urban design and Planning, Department of Architecture and Civil Engineering, Chalmers University of Technology

2012-2015 Research fellow, project-based employment, School of Architecture, National Technical University of Athens, Greece

2009-2011 Research fellow, project-based employment, School of Architecture, National Technical University of Athens, Greece,

2009-2010 Research fellow, project-based employment, University of the Aegean, Mytilene, Greece

PRACTICE POSITIONS

2002-2015 Private Architectural studio 'Gianna Stavroulaki: Design and research', Athens, Greece

2014-2015 State Museum of Contemporary Art, Thessaloniki, Greece, Architect-Museographer

2013-2014 State Museum of Contemporary Art, Thessaloniki, Greece, Architect-Museographer

ACADEMIC TEACHING POSITIONS

2017 to present Teacher (20%), Division of Urban design and Planning, Architecture and Civil Engineering, Chalmers University of Technology

2012-2015 Invited Lecturer (20%), Division of 'Architectural language, Communication and Design', School of Architecture, National Technical University of Athens, Greece

2002-2004 Teaching assistant under scholarship (20%), School of Architecture, National Technical University of Athens, Greece

RESEARCH PROJECTS (11)

Role: Project leader (2)

2019-2020 "Pedestrian movement at Chalmers. A study of the spatial structure and movement flows at Chalmers Johanneberg and Lindholmen", Commissioned by: Chalmersfastigheter and Akademiska Hus ***

2018-2019 "GIS-based Time model. Gothenburg, from 1960 to present", Chalmers University of Technology, Financer: Älvstranden Utveckling AB, Fusion Point Gothenburg

Role: Group leader, Researcher (2)

2015-2018 "International Spatial Morphology Lab. Laboratory for comparative research in urban form; Stockholm, Gothenburg, Amsterdam, London", Chalmers University of Technology, Financer: Chalmers University of Technology, Project leaders: L. Marcus, M. Berghauser Pont (100%)

2012-2014 "Strategies to network urban interventions in the Metropolitan Centre of Athens", PHASE 1 and 2, National Technical University of Athens, Financer: Prefecture of Athens, Greece, Project leader: G. Parmenidis (40%) **

Role: Researcher (7)

2020-2025 "Digital Twin Cities" platform, Participating researcher in Research area 01: Urban planning and design, Financers: Consortium including Vinnova and Chalmers University of Technology, Project leader: Anders Logg, Leader of Research area 01: Meta Berghauser Pont

2020-2021 "Safe and Liveable Urban Streets: Integrating driver and the built environment perspectives for a sustainable transport system", Financer: AoA Transport, Chalmers University of Technology, Project leader: R. Thomson, upcoming (20%)

2019-2020 "Smart Streets", Financer: Vinnova, Project leader: A.Stähle (40%)

2018-2019 "Urban Design Calculator. A tool for evidence-based urban design", Chalmers University of Technology, Financer: Fusion Point Gothenburg, Älvstranden Utveckling AB and Naturvårdsverket, Project leader: M. Berghauser Pont (40%)

2018-2019 "STEPFlow. Spatio-temporal modelling and estimation of pedestrian flow", Chalmers University of Technology, Financer: AoA Information and Communication Technologies, Chalmers University of Technology, Project leader: D. Bolin (10%)

2009-2011 "Revitalisation of National Garden of Greece", National Technical University of Athens, Financer: Prefecture of Athens, Greece, Project leaders: K.Moraitis, G.Parmenidis (50%) **

2009-2010 "Extension of the Folklore museum of Agiassos, Mytilene", University of the Aegean, Financer: Prefecture of North Aegean, Greece, Project leader: A.Bounia (50%) *

RESEARCH GRANTS (3)

Individual (1):

2003-2007 Research grant for Doctorate dissertation, Financer: Greek State Scholarships Foundation, (21.600 Euros)

Part of group (2):

2019 "Safe and Liveable Urban Streets: Integrating driver and the built environment perspectives for a sustainable transport system", Financer: AoA Transport, Chalmers University of Technology, Project leader: R. Thomson (990tkr), I. Stavroulaki (20%)

2018 "STEPFlow. Spatio-temporal modelling and estimation of pedestrian flow", Chalmers University of Technology, Financer: AoA ICT, Chalmers University of Technology, Main applicant: D.Bolin (600tkr), I.Stavroulaki (5%)

RESEARCH COMISSIONS (1)

2019 "Pedestrian movement at Chalmers. A study of the spatial structure and movement flows at Chalmers Johanneberg and Lindholmen", Commissioned by: Chalmersfastigheter and Akademiska Hus, Principal investigator: I.Stavroulaki (345tkr)

RESEARCH AWARDS (1)

2012 Award for the Best Doctoral Dissertation submitted to National Technical University of Athens for the academic year 2008-2009, Sarafio Foundation, Greece

TRAVEL GRANTS (1)

2019 Conference grant for 12th International Space Syntax Symposium, Beijing, Financer: Chalmerska forskningsfonden (15tkr)

SUPERVISION OF RESEARCH AND TEACHING

Supervision

PhD (1):

1, Assistant supervisor, completed, article-based thesis, 'Towards a theory of Natural occupation. Developing theoretical, methodological and empirical support for the relation between plot systems and urban processes', PhD candidate: Evgeniya Bobkova, Architecture and Civil Engineering, Chalmers University of Technology, Main supervisor: Lars Marcus, Assistant supervisors: Meta Berghauser Pont, Ioanna Stavroulaki, Defended on December 3rd, 2019

Contribution: I.S. was the main researcher and group leader in the research project: 'International Spatial Morphology Lab' which this thesis was part of. L.M and M.B P were the project leaders. I.S. together with M.B P advised for the methodology used and the research design and supervised the spatial and statistical analysis. L.M. contributed to the theoretical underpinning of the work since the thesis builds on his own work and his developed theory of Spatial Capital. I.S. supported the doctoral student in everyday work, provided data, taught her spatial analysis technics and relevant software. All supervisors provided regular oral and written feedback and revised the Kappa. Various papers have been published together with the doctoral student.

Master's theses (2):

2018, Main supervisor, completed, 'Life in Buildings. A study on how to increase the potentials of social interaction in markets based on use-space-design relation', Rongchao Jang, Department of Architecture and Civil Engineering, Chalmers University of Technology

2019, External advisor, ongoing, 'Predicting Pedestrian Movement for Street Segments in Urban Environments', Simon Karlsson, Computer Science and Engineering, Gothenburg University, Main supervisor: Selpi

Contribution: I.S. is the external advisor from the field of Urban design and Planning for the research thesis within the field of Computer science. I.S. contributed to the research topic definition, framed the usefulness of the research question for society at large and for the field of Urban morphology, provided the data to the student, provided the relevant references from the field of Space syntax and Urban morphology, regularly provides consultation and written feedback.

Erasmus internships (2)

1, Internship supervisor, Erasmus Mundus, MSc level, Universite Grenoble Alpes, International Cooperation in Urban Planning, Student: Liudmila Slivinskaya, 3 months, 2019

1, Internship supervisor, Graduate level, Erasmus Plus, Student: Zuzanna Komorowska, 4 months, 2018

Research assistant supervision as a Project leader (4)

Ehsan Abshirini, PhD student, KTH Royal Institute of Technology, Stockholm (2016-2018)

Kailun Sun, Amanuensis, Chalmers University of Technology (2016-2018)

Jesper Olsson, Amanuensis, Chalmers University of Technology (2017-2018)

Jan Sahlberg, Amanuensis, Chalmers University of Technology (4 months, 2018)

Alice Örnö Ax, Amanuensis, Chalmers University of Technology (4 months, 2018)

Graduate research theses (2):

2, Assistant supervisor, completed, School of Architecture, National Technical University of Athens, Greece, Students: Xenia Gyftaki (2007); Anastasia Karandinou and Christina Achtypi (2003), Main supervisor: A. Kourkoulas

Teaching Courses (11)

PhD courses (1):

2017 Lecturer, PhD Course: 'Theories in Spatial Morphology', Department of Architecture, Chalmers University of Technology, Gothenburg, Sweden

- MASTERCLASS: The spatial construction of seeing, 2017

MSc Postgraduate courses (6):

2017 to present Supervisor, MSc Postgraduate Course, MPARC - Architecture and urban design, Department of Architecture and Civil Engineering, Chalmers University of Technology, Gothenburg, Sweden

- ARK 142, Spatial Morphology Studio, (compulsory module), 2017 to present, Examiner: M. Berghauer Pont

2012-2017 Invited lecturer, Interdisciplinary Postgraduate Course: "Architectural design – Space – Culture", School of Architecture, National Technical University of Athens, Greece

- 'Real, imaginary and hidden urban landscapes', (elective and on-line course, platform: Versal), 2016-2017, Organisers: N. Marda, O. Ioannou
- 'Methodological tools of analysis for creating strategies of integral urban interventions', (elective and online course, platform: Versal), 2014-2016, Organiser: G. Parmenidis, O. Ioannou
- 'Architecture as a research subject I: On the conceptual framework of research, the construction of the conceptual tools and the body of research', (compulsory) 2012-2015, Organiser: G. Permenidis
- 'Architecture as a research subject II: On the conceptual framework of research, the construction of the conceptual tools and the body of research', (compulsory) 2012-2015, Organiser: G.Parmenidis
- 'Architecture and I-Technology. Contemporary fields of Design and Construction', (elective) 2012-2015, Organisers: G.Parmenidis, D.Papalexopoulos

Undergraduate courses (4):

2012-2013 Invited teacher, School of Architecture, National Technical University of Athens, Greece

- Main Design Unit, Division of Architectural design, (9th semester, compulsory module), 2012-2013, Professors: G. Parmenidis, B. Babalou, A. Vozani

2002-2004 Teaching assistant under scholarship, School of Architecture, National Technical University of Athens, Greece

- Interdisciplinary course, Divisions of Architectural Design and Technology (7th and 8th semesters, compulsory module), 2002-2004, Professors: A. Rokas, P. Touliatos, S. Charalampidou
- Design Unit 'Architectural space and Communication' (6th semester, compulsory by choice module), 2003-2004, Professors: J. Peponis, S. Stavridis
- Advanced painting studio 'The imaginary museum' (6th semester, compulsory by choice module), 2003-2004, Professors: V. Xenou

Other educational activities in universities:

Seminar series (1)

SMoG Seminar series, Organiser, Monthly research seminars, Division of Urban Design and Planning, Department of Architecture and Civil Engineering, ACE, Chalmers University of Technology, 2015 to present

Educational workshops (1)

Space Syntax Workshop, Organiser and teacher, 3-day workshop and educational lectures, Department of Architecture, National Technical University of Athens, Greece, 2014

Lectures (17)

- 'Space Syntax in Urban research. From theory and methods to applications'
2018, Series of two lectures in postgraduate and undergraduate students, Department of Geography and Regional planning, National Technical University of Athens, Greece
- 'Introduction to Spatial morphology research in Urban design'
2019, ARK512, Undergraduate course: Stadsrum, Department of Architecture and Civil Engineering, ACE, Chalmers University of Technology
- 'Space syntax. The fundamentals'
2017, ARK141, Postgraduate course: Spatial Morphology Studio, Department of Architecture and Civil Engineering, ACE, Chalmers University of Technology
- 'Context and frame: Conceptual and spatial recontextualization in museums'
2014, Postgraduate course: Interdisciplinary Postgraduate Course: "Architectural design – Space – Culture", School of Architecture, National Technical University of Athens, Greece
- "National garden, Athens. Direction of gaze and its transformations through time"
2011, 6th semester undergraduate studio, School of Architecture, National Technical University of Athens, Greece
- 'Isovist fields and the study of spatial perception'
2010, Postgraduate course: Postmodern city, Department of Architecture, University of Thessaly, Volos, Greece
- 'The role of space in museum meaning-making'
2011, Interdepartmental Postgraduate program: Cultural heritage management, Faculty of History and Archaeology, National and Kapodistrian University of Athens, Greece
2010, Postgraduate program: Interdisciplinary Approaches in Historical, Archaeological and Anthropological Studies, University of Thessaly, Volos, Greece
2009, Postgraduate program, Department of Cultural Technology and Communication, Faculty of Social Sciences, University of the Aegean, Mytilene, Greece
2008, Undergraduate studio, Department of Architecture, University of Thessaly, Volos, Greece
- 'Spatial construction of seeing at Castelvecchio museum'

2013, 2009, 2004, School of Architecture, National Technical University of Athens, Greece

2007, Undergraduate studio, Department of Architecture, University of Thessaly, Volos, Greece

- "Patterns of gazes in two Athenian bars"
2008, 2004, 6th semester undergraduate studio, School of Architecture, National Technical University of Athens, Greece
- "Art museums: Patterns of exploration"
2004, Department of Architecture, University of Thessaly, Volos, Greece

Opponent (1)

1, PhD discussant, 90% seminar. PhD candidate: Ehsan Abshirini, KTH School of Architecture, 2018

Master theses critic (3)

3, Master theses, Final seminar. Master's students: Moa Rydell, Sophia Haas, 2018: Åsa Karlsson, ACE, Chalmers university of Technology, 2017

Studio critic (5)

2019, Main design unit, 9th semester: Topological continuities. The case of Glyfada, Athens. Professors: G.Parmenidis, I.Mari

2018, 4291c: Urbanism and Landscape. The Urban Atlas, Yale School of Architecture, Summer studio at Chalmers University of Technology. Instructors: A. Plattus, A. Harwell

2017, ARK141, Postgraduate course: Spatial Morphology Studio, Department of Architecture and Civil Engineering, ACE, Chalmers University of Technology. Examiner: M. Berghauser Pont

2010, Postgraduate course: Postmodern city, Department of Architecture, University of Thessaly, Volos, Greece, Professor: V.Trova

2008, Undergraduate course: Focused Design unit (compulsory by choice), Department of Architecture, University of Thessaly, Volos, Greece, Professor: E.Gavrilou, K.Manolidis

LIST OF PUBLICATIONS (28+1)

Citations: 98, h-index:5, i10-index:3 (Google Scholar)

Books (1 forthcoming)

Marcus L, Berghauser Pont M, **Stavroulaki G**, Urban atlas: Guidebook for Evidence-based Urbanism, NAI010 Publishers, Rotterdam, Manuscript

Contribution: G.S: Sole author of 1 chapter; First author of 2 chapters; Co-author of 5 chapters; Main researcher in the research project that led to the publication (Principal investigators: L Marcus, M Berghauser Pont)

Articles in Peer-reviewed International Scientific journals (3 + 2 in review)

Stavroulaki I, Marcus L, Berghauser Pont M, Comparative study of alternative approaches to street network analysis; from representation to performance. *Environment and Planning B: Urban analytics and city science* (in review)

Contribution: I.S conceived, designed and performed the analysis; I.S wrote the original draft and prepared all figures and tables; M.BP consulted the analysis; L.M. and M.BP reviewed and edited the article

Bolin D, Verendel V, Ivansson O, Berghauser Pont M, **Stavroulaki I**, Håkansson E, Functional ANOVA modelling of pedestrian flows. *Journal of the Royal Statistical Society*, Special issue: Data science for society: challenges, developments and applications (in review)

Contribution: The paper is an outcome of the joint research project STEPFlow. I.S and M.BP provided all empirical data for the statistical modelling, framed the usefulness of the research question for society at large and for the field of Urban morphology, D.B and E.H performed the statistical modelling, V.V and O.I. provided machine learning results, D.B wrote most of the original draft, all authors contributed to the manuscript with text and figures, reviewed and edited the article

Berghauser Pont M, **Stavroulaki G**, Marcus L. (2019) Development of urban types based on network centrality, built density and their impact on pedestrian movement. *Environment and Planning B: Urban analytics and city science*, 46(8): 1549–1564, <https://doi.org/10.1177%2F2399808319852632>

Contribution: M.BP and G.S conceived and designed the analysis; G.S. provided data and visualisations and contributed to the spatial analysis; M.BP provided data and performed the statistical analysis; M.BP wrote the original draft; G.S. contributed with text and figures; all authors reviewed and edited the article

Berghauser Pont M, **Stavroulaki G**, Bobkova E, Gill J, Marcus L, Olsson J, Sun K, Serra M, Hausleitner B, Dhanani A, Legeby A (2019) The spatial distribution and frequency of street, plot and building types across five European cities. *Environment and Planning B: Urban analytics and city science*, 46(7): 1226–1242, <https://doi.org/10.1177%2F2399808319857450>

Contribution: M.BP, G.S and J.G. conceived and designed the analysis; all authors provided data; M.BP, G.S., E.B., J.O., K.S., M.S. contributed to the spatial analysis, M.BP performed the statistical analysis, M.BP wrote the original draft, G.S. contributed with text and figures, all authors consulted the analysis, all authors reviewed and edited the article

Bobkova E, Marcus L, Berghauser Pont M, **Stavroulaki G**, Bolin D (2019) Structure of Plot Systems and Economic Activity in Cities: Linking Plot Types to Retail and Food Services in London, Amsterdam and Stockholm. *Urban Science*, 3 (3), 66, <https://doi.org/10.3390/urbansci3030066>

Contribution: The paper is related to E. Bobkova's PhD thesis, which L.M. supervises and M.BP. and G.S. co-supervise. For this article G.S. co-supervised and consulted the research design and the spatial analysis parts, all authors reviewed and edited the article

Articles in Scientific anthologies (in Greek) (3)

Stavroulaki I (2015) Space as a complex symbolic system, In: Giacomakatos A (ed.), *Greek architecture in 20th and 21st century*. Athens: Gutenberg publications, pp. 572-585, in Greek

Stavroulaki I (2007) The spatial construction of seeing at Castelvecchio museum, in: Parmenidis G (ed.), *Research in Architecture*, Athens: Alexandraia publications, pp.55-68, in Greek

Stavroulaki I (2006) Alternative representations of spatial fields: Representation as a medium for understanding spatial experience, In: Trova V, Manolidis K, Papakonstantinou G (eds.) *Representation as a vehicle for Architectural thinking*, Athens: Futura publications, pp.441-449, in Greek

Articles in Peer-reviewed International Conference proceedings (9)

Stavroulaki G, Berghauer Pont M (2020), A systematic review of the scientific literature on the theme of multifunctional streets. In: *Beyond 2020, World sustainable built environment conference*, 9-11 June, Gothenburg (accepted abstract, full paper in preparation)

Contribution, ongoing: Both authors conceived the analysis, G.S designed the methodology and performed the analysis; G.S wrote the original draft and prepares all figures and tables; M.BP consulted the analysis; M.BP reviews and edits the article

Stavroulaki G, Bolin D, Berghauer Pont M, Marcus L, Hakansson E (2019) Statistical modelling and analysis of big data on pedestrian movement, In: *Proceedings of 12th International Space Syntax symposium*, pp. 79.1-79-24.

Contribution: G.S conceived and designed the analysis; G.S, M.BP, L.M provided the data, G.S performed the spatial analysis, D.B and E.H. performed the statistical analysis, G.S. and D.B wrote the original draft and prepared all figures and tables; all authors consulted the analysis and reviewed and edited the article

Marcus L, Heyman A, Hellervik A, Stavroulaki G (2019) Empirical support for a theory of spatial capital. Housing prices in Oslo and land values in Gothenburg, In: *Proceedings of 12th International Space Syntax symposium*, pp. 79.1-79-24.

Contribution: G.S provided data and contributed to the spatial and statistical analysis, G.S provided some figures and tables, all authors reviewed and edited the article

Stavroulaki G, Marcus L, Berghauer Pont M, Nilsson L (2017) Representations of street networks in space syntax – towards flexible maps and multiple graphs, In: *Proceedings of 11th International Space Syntax Symposium*, University of Lisbon, (eds. Heitor T, Serra M, Silva J P, Bacharel M, da Silva L C), Instituto Superior Technico, Departamento de Engenharia Civil, Arquitetura e Georrecursos, Portugal, ISBN: 978-972-98994-4-7

Contribution: G.S conceived, designed and performed the analysis; G.S wrote the original draft and prepared all figures and tables; M.BP consulted the analysis; all authors reviewed and edited the article

Berghauer Pont M, **Stavroulaki G**, et al., (2017) Quantitative Comparison of Cities: Distribution of Street and Building Types Based on Density and Centrality Measures, in: *Proceedings of 11th International Space Syntax Symposium*, University of Lisbon, (eds. Heitor T, et al.), Instituto Superior Technico, Departamento de Engenharia Civil, Arquitetura e Georrecursos, Portugal, ISBN: 978-972-98994-4-7

Contribution: M.BP and G.S. conceived and designed the analysis; all authors provided data; all authors contributed to the spatial analysis, M.BP wrote the original draft, G.S. contributed with text and figures, all authors reviewed and edited the article

Berghauer Pont M, **Stavroulaki G**, et al., (2017) Quantitative comparison of the distribution of densities in three Swedish cities, In: *24th ISUF, City and territory in the Globalization Age Conference proceedings*, Universitat Politècnica de València, DOI: 10.4995/ISUF2017.2017.5317

Contribution: M.BP and G.S. conceived and designed the analysis; all authors provided data; all authors contributed to the spatial analysis, M.BP wrote the original draft, G.S. contributed with text and figures, all authors reviewed and edited the article

Marcus L, Berghauer Pont M, **Stavroulaki G**, et al., (2017) Location-based density and differentiation-adding attraction variables to space syntax, In: *24th ISUF, City and territory in the Globalization Age Conference proceedings*, Universitat Politècnica de València, DOI: 10.4995/ISUF2017.2017.5706

Contribution: G.S provided data and contributed to the spatial and statistical analysis, G.S provided some figures and tables, all authors reviewed and edited the article

Stavroulaki G and Peponis J (2005) Seen in a different light: Icons in Byzantine museum and churches, In: *Proceedings of the 5th International Space Syntax Symposium*, Delft University of Technology, (ed. van Nes A), Delft, The Netherlands, Vol.2, 251-263

Contribution: G.S and J.P conceived and designed the analysis; G.S performed the analysis; G.S wrote the original draft in Greek and prepared all figures and tables; J.P. supervised and consulted the analysis; J.P translated, reviewed and edited the article

Stavroulaki G and Peponis J (2003) The spatial construction of seeing at Castelvecchio, In: *Proceedings of the 4th International Space Syntax Symposium*, University College London (ed. Hanson J), London UK, 66.1-66.14

Contribution: G.S and J.P conceived and designed the analysis; G.S performed the analysis; G.S wrote the original draft in Greek and prepared all figures and tables; J.P. supervised and consulted the analysis; J.P translated, reviewed and edited the article

Research reports (6)

Stavroulaki I, Marcus L, Berghauer Pont M (2019) *GIS-based Time model. Urban development in Gothenburg, 1960 to present*. Report, Fusion Point Gothenburg, Älvstranden Utveckling AB, DOI: 10.13140/RG.2.2.18909.97760

Stavroulaki I (2014) Networking urban interventions at Akadimia Platonos, Metaxourgio, Keramikos, Lenorman, Report, In: *Strategies to network urban interventions in the Metropolitan Centre of Athens*,

(ed. Parmenidis G) National Technical University of Athens, Prefecture of Athens, Greece, Vol.1, Part2, Chapter2, pp.68-82, in Greek

Stavroulaki I, Marda N, et al. (2014) Networking urban interventions at Elaionas, Votanikos, Iera Odos, Report, In: Strategies to network urban interventions in the Metropolitan Centre of Athens-Research Programme, Vol 1, (ed. Parmenidis G) National Technical University of Athens, Prefecture of Athens, Greece, Vol.1, Part2, Chapter3, pp.82-98, in Greek

Marda N, **Stavroulaki I**. et al. (2014) Strategies of innovative urban frameworks. Urban interventions in areas under development, Report, In: Strategies to network urban interventions in the Metropolitan Centre of Athens, Vol 2, (ed. Parmenidis G) National Technical University of Athens, Prefecture of Athens, Greece, Vol.2, pp.421-471, in Greek

Stavroulaki I and Parmenidis G (2009) Visual control. Visibility analysis and evaluation of design choices in the renovation of National Garden of Athens, Report, In: *Revitalisation of National Garden of Greece*, (ed Moraitis K), National Technical University of Athens, Prefecture of Athens, Greece, Vol 02-AD, in Greek

Stavroulaki I (2010) Spatial and visual analysis of the S.Tzinis collection, Report, In: Extension of the Folklore museum of Agiassos, Mytilene, (ed. Bounia A), University of the Aegean, Prefecture of Northern Aegean, Greece, in Greek

Popular science publications, Professional journals, blogposts, book reviews (5)

Stavroulaki G, Berghauser Pont M, (2019) Multifunktionella gator: Vilka är de fysiska faktorerna som kan stödja livskvalitet (liveability)? In: Smarta Gator, <https://www.smartagator.se>, 6 November 2019

Stavroulaki G, Berghauser Pont M, (2019) Vad säger 1000 vetenskapliga artiklar om städernas gator? In: Smarta Gator, <https://www.smartagator.se>, 17 Juni 2019

Stavroulaki I (2014) The Biennale's dynamic space. Between the network and the map, In: Koskina K (ed) *Catalogue for the 4th Thessaloniki Biennale of Contemporary Art*, Thessaloniki: State Museum of Contemporary Art, Greece, Vol.2, pp.28-39

Stavroulaki I (2010) The photorealists. The schizophrenic life of young Greek architects, In: Koumoundouros K (ed) *Architecture in Crisis, Architektones*, Athens: SADAS PEA, 80B, 47-48, in Greek

Stavroulaki I (2010) Architecture of museum space by Kali Tzortzi, Book review, *ICOM Greece*, 2(7), in Greek

OTHER OUTPUTS

Software and tool development (4)

Released, Open source, Open access

2017, **PST (Place Syntax Tool)**; Open-source software application for spatial analysis of urban environments (plugin for QGIS), Chalmers School of Architecture (SMoG), KTH School of Architecture and Spacescape AB (Stähle A, Marcus L, Koch D, Fitger M, Legeby A, Stavroulaki G, Berghauser Pont M, Karlström A, Miranda Carranza P, Nordström T), available at <https://www.smog.chalmers.se/pst>.

The code is released under GNU GENERAL PUBLIC LICENSE and is available at <https://github.com/SMoG-Chalmers/PST>.

Released, Open access

2018, **STEP Flow**; Web-interface for statistical modelling of big data on pedestrian movement (beta version) AoA ICT, Chalmers University of Technology (Verendel V, Bolin D, Ivarsson O, Stavroulaki G, Berghauser Pont M), Available at <http://smogapps.ace.chalmers.se/stepflow>

Beta versions, On demand

2018, **Urban Design Calculator**; Software application for evidence-based urban design (beta version), Chalmers University of Technology (SMoG), Fusion Point Gothenburg and Naturvårdsverket (Berghauser Pont M, Stavroulaki G, Fitger M)

2017, **Segment-group network analysis tool**; Experimental extension of PST (beta version), Spatial Morphology Group (SMoG) Chalmers University of Technology (Fitger M, Stavroulaki G, Berghauser Pont M)

Unpublished presentations at International Conferences (4)

Stavroulaki G, Berghauser Pont M (2020), Vad säger 1000 vetenskapliga artiklar om städernas gator? In: *Transportforum 2020*, 8 January 2020 (Accepted for oral presentation)

Stavroulaki G, Berghauser Pont et al. (2018) Methodology and results of an international observational study on pedestrian movement tracking anonymised Wi-Fi signals from mobile phones. In: *AESOP Annual Congress, Making space for hope*, July 2018, Gothenburg, DOI: 10.13140/RG.2.2.21825.20321

Gil J, Kropf K, Figueiredo L, **Stavroulaki G** et al. (2018) Street Networks - Alternative models, measures & their merits. In: *AESOP Annual Congress, 2018, Making space for hope*, July 2018, Gothenburg, DOI: 10.13140/RG.2.2.15969.56168

Stavroulaki G (2018) 'Constructing a model of spatial form', In: *International Spatial Morphology Lab conference*, April 2018, Chalmers Conference Centre, Gothenburg, <https://youtu.be/OxZHd7LRR4A>

Peer-reviews in International Scientific journals and Conferences (6)

2019, 1 article, *Urban Studies*, special issue: Big data in the city

2018, 1 article, *NETS (Networks and Spatial Economics)*

2018, 1 article, *JOSS (Journal of Space Syntax)*

2017, 1 article, *JGIS (Journal of Geographic Information System)*

2020, full papers, *Beyond 2020 (World Sustainable Built Environment Conference)*. June 9-11, 2020

2019, 5 abstracts, *NAF Symposium (Nordic Association of Architectural Research)*. June 13-14, 2019

Conference and workshop organisation

2019 Place Syntax Tool workshop. In: 12th International Space Syntax Conference, Jiaotong University, Beijing, July 2019 (instructors: M.Berghauser Pont, G.Stavroulaki, A.Legeby, D.Koch, E.Bobkova)

2018 International Spatial Morphology Lab conference. Chalmers Conference Centre, Skania salen, 25 April 2018 (organisers: M. Berghauser Pont, L. Marcus, G. Stavroulaki)

OUTREACH ACTIVITIES TO PRACTICE

Professional education

2019 'Street network analysis. Fortbildning SBK'. Continuous education at City Planning Office of Gothenburg, Sweden, May-June 2019 (instructors: M.Berghauser Pont, G.Stavroulaki, K.Sun)

Popular science presentations

2018 'Comparative studies of urban form. Göteborg, Stockholm, Amsterdam and London', Älvstranden lunch seminars: Bridging theory and Practice in Urban development, Älvstranden Utveckling, March 2018

2017 'Spatial Morphology Lab. Comparative research in urban form', In: Place Syntax Tool public launch, Chalmers University of Technology, May 2018

Consultancies (4)

2019 Expert evaluation of Space Syntax analysis, Project: City structure analysis of the future central city, Nörrköping City Planning Office, Nörrköping, Sweden

2018 Expert evaluation of visitor spatial experience. Patterns of visibility, movement and co-presence. Project: New museum for the City of Volos, Volos Municipality, Greece

2013 Consultant architect-museographer in awarded open architectural competition, Architectural office: Katerina Tsigarida Architects, Competition: "Redesign of the existing cereals' stock house building facilities (Silo) and its surrounding open space into a Museum for Underwater Antiquities and Regeneration of part of the Piraeus Port Authority coastal zone", Piraeus Port Authority

OTHER PROFESSIONAL MERITS

Professional Memberships

Member of the Technical Chamber of Greece since 2001

Professional honours

2013 Honourable mention. Open Architectural Competition, Role: Special Consultant / Museographer, Architectural office: Katerina Tsigarida Architects, Competition: "Redesign of the existing cereals' stock house building facilities (Silo) and its surrounding open space into a Museum for Underwater Antiquities and Regeneration of part of the Piraeus Port Authority coastal zone", Piraeus Port Authority