EMILIA ATHANASSIOU BEATRICE BALDUCCI CHIARA CARAVELLO LUDOVICO CENTIS CHIARA GEROLDI ANGELA GIGLIOTTI **FABIO GIGONE** FEDERICO GOBBATO LIVA CHARLIE HAILEY STAMATINA KOUSIDI ANNARITA LAPENNA IACOPO LEVERATTO LINA MALFONA ANDREA MIGOTTO MARTINA MOTTA VALENTINA NOCE WERNER OECHSLIN ALESSANDRO ROCCA KEVIN SANTUS GIULIA SETTI SUSANNE STACHER PAULO TAVARES YORGOS TZIRTZILAKIS KOSTIS VELONIS LAURA ZAMPIERI FRANCESCA ZANOTTO

FOREST ARCHITECTURE.
IN SEARCH OF THE
(POST) MODERN WILDERNESS

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EDITED BY STAMATINA KOUSIDI

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FOREST ARCHITECTURE. IN SEARCH OF THE (POST) MODERN WILDERNESS edited by Stamatina Kousidi

This volume aims to expand on the discourse around the forest as an aesthetic-perceptual. conceptual-symbolic, and operative subject matter theme, as utopia and modernist notion alike, across a broad range of scales and contexts, exploring its contemporary relevance for the design project.

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FOREST ARCHITECTURE. IN SEARCH OF THE (POST) MODERN WILDERNESS

8 - 53140 - 159FOREST ARCHITECTURE. CAVITY. WILDERNESS ACTS BY IN SEARCH OF THE (POST) MODERN COLONIZING WILDERNESS LAURA ZAMPIERI STAMATINA KOUSIDI 160 - 179TABULA SILVA. REPRESENTATION AND PROJECT FOR THE FLEMISH FOREST-**METROPOLIS** FOREST, DESIGN, OPERATIVE FEDERICO GOBBATO LIVA, 56 - 73DOMINATION AND SYMBIOSIS IN ANDREA MIGOTTO THE AMAZON RAINFOREST ALESSANDRO ROCCA 180 - 199A DIVE IN THE NORDIC GREEN. FORESTURBIA. A MANUAL FOR A CEDRIC'S SENSE FOR WILDERNESS. 74 - 87LANDSCAPED CITY THE ROLE OF FORESTS IN PRICE'S LUDOVICO CENTIS. SEARCH FOR COEXISTENCE ANGELA GIGLIOTTI, FABIO GIGONE JACOPO LEVERATTO 200 - 220UPSTATE ROME. A SUBURBAN THE FOREST AS A ROOM. 88 - 99ARCHIPELAGO THREE JAPANESE URBAN HOUSES LINA MALFONA BEATRICE BALDUCCI THE CALL OF THE WILD. INHABITING 100 - 116FOREST, UTOPIA, MODERNISM THE FOREST IN THE WORKS OF

FOREST, AESTHETIC, PERCEPTUAL

GIULIA SETTI

FOREST AND ARCHITECTURE.

CONTEMPORARY DESIGN

APPROACHES FOR PUBLIC SPACES

CHIARA GEROLDI, ANNARITA LAPENNA

KAZUYO SEJIMA AND SANAA

222-245 ARCHITECTURE AND NATURE. ON THE ORIGIN AND CONVERTIBILITY OF ARCHITECTURE WERNER OECHSLIN

246-267 THE QUEST FOR WILDERNESS IN THE FACE OF CLIMATE CHANGE SUSANNE STACHER

	268-291	CONSTRUCTING THE MODERN FOREST IN GREECE. DIMITRIS PIKIONIS AND THE PERTOULI EXPERIMENT ON THE MOUNTAIN RANGE OF PINDOS EMILIA ATHANA SCIOLE	376 — 389 390 — 401	UNPREDICTABLE SPACES. FOR A NON-DOMESTICATED USE OF WOOD FRANCESCA ZANOTTO PORCH AS SCREEN OF TREES		
		EMILIA ATHANASSIOU		CHARLIE HAILEY		
	292-309	BEYOND DUALISMS. THE "ELECTRONIC URBANISM" OF TAKIS CH. ZENETOS. 1962-1974 YORGOS TZIRTZILAKIS	402—411	DISGUISED AS A TREE KOSTIS VELONIS		
		TORGOG TZIRTZIZARIO	413 — 425	BIBLIOGRAPHY		
	310 - 317	1592 HOUSES IN THE FOREST. BRUNO				
		TAUT AND THE WALDSIEDLUNG ZEHLENDORF IN BERLIN CHIARA CARAVELLO	427—430	BIOGRAPHIES		
	318 — 330	THE FOREST IN BRUNO TAUT'S CITY CROWN. A SPIRITUAL AND PERCEPTUAL UTOPIA FOR OUR CITIES KEVIN SANTUS				
EODECT CONCEDTIAL CVMDOLIC						
FOREST, CONCEPTUAL, SYMBOLIC						
	332 — 347	TREES, VINES, PALMS, AND OTHER ARCHITECTURAL MONUMENTS PAULO TAVARES				
	348-359	EXPOSURE. 48 VARIATIONS OF DARKNESS VALENTINA NOCE				
	360 - 375	THE TEATRO REGIO IN TURIN.				

A FOREST PERSPECTIVE

MARTINA MOTTA

1592 HOUSES IN THE FOREST. BRUNO TAUT AND THE WALDSIEDLUNG ZEHLENDORF IN BERLIN

CHIARA CARAVELLO

311 1592 HOUSES IN THE FOREST

Faced with the shattering European post-war scenario, Bruno Taut wrote: "If one succeeded in directing these forces into another, more beautiful channel, then the Earth would really be a good apartment"\psi. Utopian yet moved by a genuine social vocation, Taut will make his statement a reality in the design of the Waldsiedlung Zehlendorf in Berlin 2, also known as Waldsiedlung Onkel Toms Hütte or *Papageiensiedlung* . This social housing complex, built between 1926 and 1932, stands out for its careful composition between built and natural environments, characterised by the presence of a vast pine forest. Indeed, the designated urban development area lies on the edge of the Grunewald forest . The site includes a large woodland consisting mainly of pine trees, giving the settlement its unmistakable character, but also of other tree species such as oak, weeping willow and silver birch. Indeed, the term Waldsiedlung (Forest Settlement) recalls the compositional relevance of the forest landscape, perfectly integrated into the urban and architectural design of the complex. For this reason, the image of the Waldsiedlung Zehlendorf is still strongly characterized by its forest-permeating open spaces and gardens, to be preserved as an intrinsic part of this built heritage.

After surviving National Socialism and World War II, the Waldsiedlung Zehlendorf was aesthetically disfigured in the postwar period when the colors on the façade were removed. In 1982, the complex was declared a geschützter Baubereich l and the first restoration work began. Added to the Berlin Monument List of 15 May 2001 b, the Waldsiedlung Zehlendorf has been acknowledged not only as a *Denkmalbereich** for the uniqueness of its urban and architectural design, but also as a Gartendenkmal for the outstanding value of its open spaces. Moreover, the housing estate has been recently proposed to be listed as UNESCO World Heritage, as the seventh Siedlung der Berliner Moderne * I, similar to Taut's Gartenstadt Falkenberg (1913-1916) * * Among the values underlying this proposal $\Re \hat{\lambda}$, the most relevant in the context of this volume are: key Value D, acknowledging the further development of the Gartenstadt concept to large-scale settlements and key value E, recognizing the achieved balance between urban, architecture and open space design. Likewise, points 7, 8, 9 respectively considering the creation of living space with *Licht*, Luft und Sonne * ↓ as the new norm; the innovative housing development from garden cities to large housing estate concepts; the wide offer of Außenwohnräumen in the form of private gardens and shared open green spaces.

It is important to frame the historical context in which this complex was developed. The First World War had left Europe in

a state of decay and despair. Certainly, there was a need for practical solutions to ensure efficient and affordable housing development, but there was also as much need for a new aesthetic vision guided by moral standards. Bruno Taut was convinced that architecture had to correspond, first and foremost, to human needs, for not only the physical but also the psychological and moral effects it could bring about in people. It is to the desire to bring cheerfulness and vitality through new buildings that Taut aspires when – not frightened by the derisory name *Tuschkastensiedlung* * * * attributed to the Gartenstadt Falkenberg – he decides to realize another colorful residential complex * * * *

The Waldsiedlung Zehlendorf, commissioned by the Gemeinnützige Heimstätten-, Spar- und Bau Aktiengesellschaft (GEHAG)* in 1926, was built in a total of seven construction phases until 1932, for a covered surface of 34.46 hectares* *. This social housing complex is especially innovative and extraordinary for the way the urban development project has been embedded within the local forest landscape. In fact, Taut was inspired by the site's topography and pine forest, which spontaneously became a fundamental element in his design. Together with Taut, architects Otto Rudolf Salvisberg and Hugo Häring were engaged to design the housing typologies, whereas the landscape architect Leberecht Migge* was involved in designing the open spaces. The construction of the complex was carried out by Bauhütte Berlin and the Allgemeine Hausbau AG (AHAG) of Adolf Sommerfeld* \(\).

Without a given overall plan, the first two settlements' design and construction stages (1926-1927) saw the collaboration of Bruno Taut and Martin Wagner, who had been nominated city planning officers of Berlin in 1926. Bruno Taut made by far the most significant contribution to the construction of the estate, developing the urban design by drawing charming outdoor environments, setting intriguing and suggestive perspectives. An excellent example of Taut's stunning settings is the so-called *Kiefernhof, offen* \times 1, a wide courtyard resulting from the large overall forms of the long house rows being lightened up with snapped-off end-houses.

The Waldsiedlung Zehlendorf is one of the largest housing projects of the Weimar Republic, with a total of 1915 residential units, of which 1106 are storey apartments and 809 are single-family row houses \Re . Due to economic reasons, the architectural project for the single-family row houses is limited to two residential types, leaving the way open for the design of unprecedented solutions in the intermediate spaces between built-up and open areas. Indeed, despite the limited number of architec-

tural typologies, the composition is anything but monotonous, thanks to the juxtaposition of elements on staggered planes in an engaging interplay of light and shadow, solids and voids, open and private spaces.

Actively fostering social and ecological connections through an approach that strongly emphasizes relations between neighbors as well as between people and nature, the Waldsiedlung Zehlendorf settlement can be seen as an icon and pioneering project of eco-social housing. In his architectural design, Taut introduces the need to establish a relationship of balance and reciprocity between his 1529 residential units $\hat{x}\hat{x}$ and the surrounding open spaces, considered as part of the architectural design itself. The forest becomes a compositional element, integrated into the functional and aesthetic aspects of the project. The forest vegetation accompanies the inhabitants to their front door, establishing a fluid relationship between the external and internal environment. Not to be omitted are the consideration of the vegetation as a protective filter between the city and the residential complex and the innovative attention to climatic aspects. Indeed, to ensure optimal sunlight and ventilation for the flats, the architects laid out the majority of the residential rows in a north-south orientation. Aesthetics and modern functionality achieve an outstanding compositional balance, where nature and man-made features are linked to each other with intuition and sensitivity.

One year before the end of the construction of the Waldsiedlung Zehlendorf, in the fall of 1931, Martin Wagner founded the research group *Das wachsende Haus* \mathbb{R} , including, among other prominent German architects, Bruno Taut and Leberecht Migge. The group, faced with the challenge of standardization and prefabrication for housing, investigated a new house concept with significant consideration of outdoor areas, integrating them within the design process \mathbb{R} . So, based on functional connections, interior and exterior spaces were placed in direct relation \mathbb{R} 1. This concept, developed by the most influential architects of Germany at the time, reconsidered the value of the house as a place for living and well-being, with a biological understanding of the built environment \mathbb{R} \mathbb{L} .

The *Das wachsende Haus* concept, developed over the time frame in which the Waldsiedlung Zehlendorf was built, is reflected in a few improvements made to the design of the complex. For example, in order to increase the residential value of the single-family row houses, it was decided from 1928 onwards to implement the initially-provided open wooden pergola into an enclosed terrace. This was built with a glass roof according to var-

CHIARA CARAVELLO

314

ious standard designs, including different solutions with materials such as wood, steel, glass and zinc plate.

The ownership of the properties in the settlement is currently distributed between approximately 800 private owners and 1,100 rental units, which are now managed by the private company Deutsche Wohnen. Both owners and tenants, of which many have now been living in the complex for decades, still appreciate the Waldsiedlung Zehlendorf as a high-quality residential area in nature. Indeed, the residents are so proud of the green atmosphere of their listed ensemble in the Grunewald that they have set up a neighborhood initiative to promote the monument's conservation and increase the eco-social quality of life in the settlement according to climate standards. The community group was founded in 2007, holding its first meeting in Ladenstraße \hat{x} *, named, not coincidentally, Bruno Taut Laden. In June 2010, it became a nonprofit organization named Verein Papageiensiedlung e.V. (Parrots Settlement Association). For the upcoming centenary of the settlement, an active part of the residents is planning to render it carbon-neutral in the next century, under the motto Die nächsten 100 Jahre (The next 100 years), making it a model project for the compatibility of monument protection and climate protection.

In 2019, the Verein Papageiensiedlung launched the Klimafre-undliche Papageiensiedlung (KliP; Climate-friendly Parrots Settlement) project. A citizens' survey, several meetings and various workshops have given rise to diverse KliP project groups, such as the Gruppe Grün (Green Group), which is concerned with climate-friendly gardening, or to groups focusing on climate-friendly mobility, CO2 reduction by implementing thermal insulation, solar power systems, heat pumps. To make the project even more ambitious, one group has upgraded KLiP to KliQ, standing for Klimafreundliche Quartier KrummeOnkelOskar, extending from the Oskar Helene Heim station to the Krumme Lanke station, thus including all climate-relevant private and public actors from a radius of about one kilometer around the Ladenstraße center.

Bruno Taut, Otto Rudolf Salvisberg, Hugo Häring, Waldsiedlung Zehlendorf Berlin Zehlendorf, Riemeisterstraße Frisierkunst, Berlin, 1926-32. © Peter Kuley, CC-BY-SA-3.0.



316

CHIARA CARAVELLO

- Deutscher Werkbund Berlin e.V (ed.), Bruno Taut. Meister des farbigen Bauens in Berlin, Verlagshaus Braun, Berlin 2005, p. 10.
- The name *Onkel Toms Hütte* derives from the homonymous *U-Bahnstation* (underground station) opened within the housing complex in 1929 as part of the U3 underground line connecting today Zehlendorf and Dahlem via Wittenbergplatz.

The term was used as a form of popular mockery referring to the bright parrot-colours applied on the façades.

↑ The Waldsiedlung Zehlendorf is located in Berlin-Zehlendorf, on both sides of the Argentinische Allee, between the streets Onkel Tom Straße, Sprungschanzen Weg, Holzungsweg and Am Fischtal.

According to the definition given by the DWDS, "area of a city that is protected as an ensemble" (my translation).

Amtsblatt Berlin Nr.29 vom 14 Juni 2001.

According to the Landesdenkmalamt Berlin's Erläuterung zur Denkmalliste (Explanation regarding the list of monuments), a Denkmalbereich (Monument area, ensemble, overall complex) is a plurality of built structures including streets and squares connected to them as well as green spaces, open areas and water surfaces, the preservation of which is in the public interest (my translation).

According to the Landesdenkmalamt Berlin's Erläuterung zur Denkmalliste, a Gartendenkmal (Garden monument) is a green space, a garden or a park, a cemetery, an avenue or any other witness to garden and landscape design, the preservation of which is in the public interest. A Gartendenkmal may include built structures and be integral parts of monument areas; furthermore, it can include accessories and furnishings insofar as they form a unit of monumental value with the garden monument (my translation).

Deutscher Werkbund Berlin e.V (ed.), Bruno Taut, *cit.*, pp. 30-31.

It is thought to be the combination of these seven social housing estates, including the Waldsiedlung Zehlendorf, to have contributed decisively to the improvement of housing and living conditions in low-income residential blocks in Germany and elsewhere.

Gartenstadt Falkenberg, curated by Landesdenkmalamt Berlin.

₩ Q Waldsiedlung Zehlendorf 3D Tabelle Vergleichsanalyse, curated by Landesdenkmalamt Berlin.

The contemporary guiding principle of providing affordable housing with "light, air and sunshine" is also promoted by the commissioner (GEHAG).

- For the first time, Taut used such intensive colours as an ornamental element for an entire housing estate. What has now become a trademark of the estate has been heavily criticised at the time, leading to the housing estate generally being known as the *Tuschkastensiedlung* (Paintbox settlement).
- For this reason, Taut has often been defined as the Meister des farbigen Bauens.
- The Gemeinnützige Heimstätten-, Sparund Bau Aktiengesellschaft (GEHAG) was established in 1924 to reorganise the housing estate after the First World War and one of the best-known societies for social housing until 2007.
- Landesdenkmalamt Berlin (ed.), Vorschlag für das deutsche Tentativverfahren 2021-2023
 Waldsiedlung Zehlendorf. Erweiterung der Welterbestätte "Siedlungen der Berliner Moderne," https://www.berlin.de/landesdenkmalamt/welterbe/welterbepotenziale/waldsiedlung-zehlendorf-1179346.php, accessed August 27, 2022, p. 1.
- Migge's design was inextricably linked to a growing residential landscape, which the architect described in his publication *Die wachsende Siedlung nach biologischen Gesetzen* of 1932, the year in which the construction of the Waldsiedlung Zehlendorf was completed.
- ↑ Winfried Brenne Architekten, Berlin-Steglitz Untere Denkmalschutzbehörde (eds.), Waldsiedlung Zeblendorf Onkel-Toms-Hütte, Untere Denkmalschutzbehörde Berlin-Steglitz, Berlin 2006, https://nbn-resolving.de/urn:nbn:de:kobv:109-opus-99256, accessed August 27, 2022, p. 6.
- Deutscher Werkbund Berlin e.V (ed.), Bruno Taut, *cit.*, p. 123.
- In addition to single-family row houses, the settlement is also characterised by multi-sto-rey apartments in order to keep rents and house prices low thanks to a high degree of land use.
- XX Taut designed a total of 1106 multi-storey apartments and 486 single-family row houses out of the 1915 residential units of the Waldsiedlung Zehlendorf. See Winfried Brenne Architekten (ed.), Waldsiedlung Zehlendorf OnkelToms-Hütte, cit., p. 120.
- In opposition to the spacious and sumptuously furnished villas still proposed by renowned architects such as Mies van der Rohe in the early 1930s, Martin Wagner was moved by the conviction of the need for a rationalisation of residential accommodation making use of simple, prefabricated structures to meet the demand for housing.

F. van Andel, Woningbouw in tijden van crisis. De groeiwoning als antwoord?/ Housing in Times of Crisis. Is the 'Growing House' the Answer?, in "DASH. Delft Architectural Studies on Housing, Housing exhibitions," 9, 2013, pp. 4-17. doi: https://doi.org/10.7480/dash.09, p. 10.

1592 HOUSES IN THE FOREST

The Das wachsende Haus concept offered the possibility of expanding the building outwards, considering the design of open spaces as an integral part of the living space of the house.

Particularly innovative within this movement is the development of ideas and proposals to ensure the self-sufficiency of the inhabitants, such as the creation of small greenhouses for growing vegetables in private gardens.

Unfortunately, a major fire in the Ladenstraße destroyed this meeting place in 2020 and the working group moved to the vacant former hairdresser's shop in Riemeisterstraße, where a *Klimabūro* (Climate office) was established.

BIBLIOGRAPHY

- FOREST ARCHITECTURE IN SEARCH OF THE (POST) MODERN WILDERNESS STAMATINA KOUSIDI
- Adam H., Wirz H. (eds.), Berrel Berrel Kraütler, De Aedibus, Quart Verlag, Lucerne 2015.
- Barber D., Putalik E., Forest, Tower, City: Rethinking the Green Machine Aesthetic, in "Harvard Design Magazine," 45, 2018, pp.
- Basdevant M. (ed.), Intermediate Natures: The Landscapes of Michel Desvigne, Birkhäuser, Basel 2009.
- Casa Rudolph, New York 1977-1997, in "Casabella," 63, no 673-674, pp. 138-149, pp.
- Cohen P.S., Naginski E. (eds.), The Return of Nature: Sustaining Architecture in the Face of Sustainability, Routledge, London 2014.
- Corbellini G., Bioreroot: the architecture of R&Sie(n), Princeton Architectural Press, New York 2009.
- Corner J., Hirsch A. (eds.), The Landscape Imagination: Collected Essays of James Corner 1990-2010. Princeton Architectural Press. Princeton 2014.
- Davies C., Key Houses of the Twentieth Century: Plans, Sections and Elevations, W.W. Norton & Company, New York 2006, p. 104.
- Dean P., Under Cover of Green, in D. Cuff, R. Sherman (eds.), Fast–Forward Urbanism. Rethinking Architecture's Engagement with the City. Princeton Architectural Press. New York 2011, pp. 62-74.
- Devesa R., Outdoor Domesticity: On the Relationships between Trees, Architecture and Inhabitants, Actar, New York; Barcelona
- Ebeling S., Scheiffele W., Papapetros S. (eds.), Space as Membrane, trans. Pamela Johnston. Architectural Association, London 2010.
- El Croquis. OFFICE Kersten Geers David Van Severen (2003-2016), 185, 2016.
- Frampton K., In Search of the Modern Landscape, in S. Wrede, W.H. Adams (eds.), Denatured Visions, Landscape and Culture in the Twentieth Century, The Museum of Modern Art, New York 1991, pp. 42-61.
- Francé R.H., Die Pflanze als Erfinder [Plants as inventors], Albert and Charles Boni, New York 1923.
- Geddes R., The Forest Edge, in "AD. Architectural Design Profile," 1982, pp. 2-23. Geddes R., The nature of the built environment, in "Progressive Architecture," June 1974, pp.
- Girot C., Kirchengast A. (eds.), Nature Modern. The Place of Landscape in the Modern Movement, Jovis, Berlin 2018.
- Gissen D., Nature's Historical Crises, in "Journal of Architectural Education," 69, no. 1, March 2015, pp. 5-7.
- Gissen D., Subnature. Architecture's Other Environments. Princeton Architectural Press. New York 2009.
- Hailey C., The Porch: Meditations on the Edge of Nature, Chicago University Press, Chicago; London 2021.
- Hill J., Weather Architecture, Routledge, Oxon 2012
- Ingersoll R., The Ecology Question and

- Architecture, in C. Greig, Crysler, S. Cairns, H. Heynen (eds.), The SAGE Handbook of Architectural Theory, SAGE, Newcastle upon Tyne 2011, pp. 575-591.
- Ingold T., Imagining for Real. Essays on Creation. Attention and Correspondence. Routledge, Oxon 2022.
- Janson A., Tigges F., Fundamental Concepts of Architecture: The Vocabulary of Spatial Situations, Birkhäuser, Basel 2014.
- Kalipolliti L.. No More Schisms. in "AD." 208. November/December 2010, pp. 14-23.
- Lacaton A., Vassal J.-P., Lecture at Columbia GSAPP, Wood Auditorium, Avery Hall. September 14, 2017, https://www.youtube. com/watch?v=Twiz-dw9-e4&t=742s. accessed 6 January 2023.
- Le Corbusier, Jeanneret P., Œuvre Complète, Volume 1: 1910-1929. Editions Girsberger. Zürich 1935.
- Le Corbusier, La Ville Radieuse: éléments d'une doctrine d'urbanisme pour l'équipment de la civilisation machiniste, Éditions de L'architecture d'aujourd'hui, Boulogne 1933.
- Le Corbusier. Precisions on the present state of architecture and city planning (1930), Park Books, Zürich 2015, or. ed. The MIT Press, Cambridge, Mass, 1991.
- Leatherbarrow D., Architecture Oriented Otherwise, Princeton Architecture Press, New
- Leatherbarrow D., Mostafavi M., On Weathering. The Life of Buildings in Time. The MIT Press. Cambridge, Mass. 1993.
- Lee S. (ed.), Aesthetics of Sustainable Architecture, 010 Publishers, Rotterdam 2011.
- Marini S., Il ritorno della selva, in Id., V. Moschetti (eds.), Sylva. Città, nature, avamposti, Mimesis, Milano 2019.
- Moffitt L., Architecture's Model Environments, UCL Press. London 2023.
- N. Navone. Gli spazi ambigui di Junva Ishigami / The ambiguous spaces of Junva Ishigami. in Id. (ed.), BSI Swiss Architectural Award 2016, Mendrisio Academy Press; Silvana Editoriale, Mendrisio; Milano 2016, pp. 17-47.
- Picon A., Anxious Landscapes: From the Ruin to Rust, in "Grey Room," 1, September 2000, pp. 64-83.
- Picon A., Nature, Infrastructures and Cities, in P.S. Cohen, E. Naginski (eds.), The Return of Nature: Sustaining Architecture in the Face of Sustainability, Routledge, London; New York 2014, pp. 172-180.
- Picon A., Nature, Infrastructures, and the Urban Condition, in M. Mostafavi, G. Doherty (eds.). Ecological Urbanism. Lars Müller Publishers. Zürich 2016, pp. 534-535.
- Picon A., Robbins M., Fuller's Promised Land, in "Any Architecture New York." 17, 1997, pp.
- Pogue Harrison R., Forests. The Shadow of Civilization, The University of Chicago Press, Chicago: London 1992.
- Rahm P., Form and Function Follow Climate, in "AA Files." 55. Summer 2007, pp. 2-11.
- Rahm P., Histoire naturelle de l'architecture. Comment le climat, les épidémies et l'énergie ont faconné la ville et les bâtiments. Pavillon de l'Arsenal. Paris 2021.
- Repishti F., Green Architecture. Oltre la

- metafora | Green Architecture. Beyond the Metaphor, in "Lotus," 135, 2018, pp. 34-41. Rocca A., L'ambiente dell'architettura, in Id.,
- A. Rogora, L. Spinelli (eds.), Architettura ambientale. Progetti, tecniche, paesaggi, Wolters Kluwer Italia, Milano 2012.

415

- Rudofsky B. The Conditioned Outdoor Room. in Id., Behind the Picture Window, Oxford University Press, Oxford 1955.
- Sassen S., A Third Space: Neither Fully Urban nor Fully of the Biosphere, in J. Graham (ed.), Climates: Architecture and the Planetary Imaginary, Lars Müller Publishers, Zürich 2016, pp. 172-80.
- Seiima K., Nishizawa R., Kazuvo Seiima + Rvue Nishizawa: SANAA works 1995-2003. TOTO. Tokvo 2003.
- Slessor C., I'm lost in Paris' House by R&Sie(n), Paris, France, "The Architectural Review," October 1, 2009.
- Turpin E. (ed.), Architecture in the Anthropocene: Encounters Among Design. Deep Time, Science and Philosophy, Open Humanities Press, Michigan Publishing. University of Michigan Library, Ann Arbor 2013.
- Ursprung P., Herzog & de Meuron: Natural History, Canadian Centre of Architecture; Lars Müller Publishers. Montreal: Zurich 2002.
- Ursprung P., Nature and Architecture, in J.L. Mateo (ed.), Natural Metaphor. An Anthology of Essays on Architecture and Nature, ETH; Actar Publishers, Zurich: Barcelona 2007, pp.
- VanderGoot J., Architecture and the Forest Aesthetic. A New Look at Design and Resilient Urbanism, Routledge, Oxon 2018, pp. 38-39.
- Vidler A., Whatever happened to ecology? John McHale and the Bucky Fuller Revival, in "Log," 13/14, Fall 2008, pp. 139-146.
- Wimmer C.A., Niedermeier, M., Hanging gardens, eerie grottoes, in "Anthos," 31, 1, 1992. pp. 32-39.
- Yelavich S., Safety nests, in P. Antonelli (ed.), Safe: Design Takes on Risk, Museum of Modern Art, New York 2006, pp. 17-25.
- Zaera-Polo A., The Politics of the Envelope, Part II, in "Log," 16, Spring/Summer 2009, pp. 97-132.

DOMINION AND SYMBIOSIS IN THE AMAZON RAINFOREST ALESSANDRO ROCCA

- AA.VV.. "Rassegna di Architettura e Urbanistica." Inventiveness and Pertinence. Lessons from the Southern Part of the World. LVI. 165, 2021.
- Buschbacher R.J., Deforestation for Sovereignty Over Remote Frontiers, in Jordan C.F. (ed.), Amazonian Rain Forests: Ecosystem Disturbance and Recovery, Springer, New York 2012, pp. 46-75.
- Carneiro Porto P., Severiano Porto, o arquiteto [que] integra. Severiano Porto, the architect [that] allies, in "Cadernos Proarq. Revista de Arquitetura e Urbanismo do Proarq," 26, 2016, Aviary at the London Zoo. Designed by the Earl
- Carranza L.E., Lara F.L., Severiano Porto,

- Balbina Environmental Protection Center. Brazil, in Id., Modern Architecture in Latin America: Art, Technology, and Utopia, University of Texas Press, Austin 2015, pp. 306-307.
- Daudén J., Brazilian Houses: 9 Examples of Residential Vernacular Architecture.
- https://www.archdaily.com/909366/brazilian-houses-9-examples-of-residential-vernacular-architecture, accessed 19 June 2022.
- El Croquis. Estudio Gustavo Utrabo (2015-2020). 207, 2021,
- Guerra A., Arquitetura brasileira: tradição e utopia, in "Revista do Instituto de Estudos Brasileiros," 76, pp. 158-200, 2020.
- Jarre J.M., Amazônia, Sonv Music
- Entertainment Germany GmbH, Munich 2021. Jorge L.A., The imaginary of Brazilian rivers: literary narratives and meanings for architecture and urbanism. in "Fuoco amico." 8, 2022. pp. 74-103.
- Keiko Ito Rovo de Souza Lima M., SUFRAMA de Severiano Porto: solução inventiva na flexibilidade da malha reticular, in "Revista Amazônia Moderna," vol. 1, 2, 2018, pp. 16-33.
- Kohn E., How Forests Think: Toward an Anthropology Beyond the Human, University of California Press, Berkeley 2013.
- Magni C., Collegio Fondazione Bradesco -Fazenda Canuanã, in "Casabella," 877, 2017, pp. 27-36.
- Neves L.. The New Vernacular of Severiano Porto in the Amazon, in Weber W., Yannas S. (eds.). Lessons from Vernacular Architecture. Routledge, Oxon 2014.
- Rudofsky B., Architecture without Architects: A Short Introduction to Non-Pedigreed Architecture. The Museum of Modern Art/ Doubleday, New York 1964.
- Salgado S., *Amazônia*, exhibition curated and designed by Lélia Wanick Salgado, Maxxi, Roma. 1/10/2021 - 21/08/2022.
- Sarkis H. (ed.). "How will we live together?" La Biennale di Venezia, Venezia 2021.
- Smith N., Rainforest Corridors: The Transamazon Colonization Scheme, University of California, Berkeley 1982.
- Thompson E.K., The Early Domestic Architecture of the San Francisco Bay Region, in "Journal of the Society of Architectural Historians," vol. 10, 3, 1951, pp. 15-21.
- Walker R., Perz S., Arima E., Simmons C., The Transamazon Highway: Past, Present, Future, in Brunn S. (ed.), Engineering Earth, Springer, Dordrecht 2011.

CEDRIC'S SENSE FOR WILDERNESS: THE ROLE OF FORESTS IN PRICE'S SEARCH FOR COEXISTENCE JACOPO LEVERATTO

Aben R., de Wit S., The Enclosed Garden. History and Development of the Hortus Conclusus and its Reintroduction into the Present-day Urban Landscape. 010 Publishers, Rotterdam 1999.

of Snowdon and Cedric Price. in "Architectural Review," 127, 1961, pp. 417-418.

- Banham R., Aviary, London Zoological Gardens, El Croquis, Sanaa 1998-2004, 121/122, 2004. in "Architectural Review." 138, 1965, p. 186. Baratav E., Hardouin-Fugier E., Zoo. A History
- of Zoological Gardens in the West, Reaktion Books, London 2002.
- Buckminster Fuller R., Tensearity, in "Portfolio and Art News Annual." 4, 1961.
- Clément G., Manifeste du Tiers paysage, Éditions Sujet/Objet, Paris 2003.
- Clément G.. Une brève histoire du jardin. Éditions du 81. Paris 2011.
- Davidson R., Genesis 1-11. Commentary by R. Davidson, Cambridge University Press, Cambridge 1973, in Hardingham S. (ed.), Cedric Price Opera, Wiley, London 2003.
- Hardingham S., Cedric Price Works 1952-2013. A Forward-Minded Retrospective, AA Publications, London 2016.
- Harlan J. R., Crops and Man, American Society of Agronomy, Crop Science Society of America, Madison 1975.
- Hediger H., Wild Animals in Captivity, Butterworth, London 1950.
- Jencks C., Modern Movements in Architecture. Penguin, London 1985.
- Landau R., New Directions in British Architecture, Studio Vista, London 1968.
- Landau R., Engineers and Architects: Newby + Price, in "AA Files," n. 27, 1994, pp. 25-32.
- Leveratto J., Posthuman Architectures. A Catalogue of Archetypes, ORO Editions, Novato CA 2021.
- Loisel G., Histoire des Mènageries, De l'antiquité à nos iours. Doin et Fils. Paris 1912.
- Mann W.N., Wild Animals in and out of the Zoos, Smithsonian Institution, Washington DC 1930.
- Massey J., Buckminster Fuller's Reflexive Modernism, in "Design and Culture," vol. 4, 3, 2012, pp. 325-344.
- Mathews S., From Agit-Prop to Free Space. The Architecture of Cedric Price, Black Dog Publishing, London 2007.
- Mullin S., Cedric Price, 1934-2003, in "Arg," vol. 7, 2, 2003, pp. 113-118.
- National Zoological Park, Records. 1887-1966, Smithsonian Institution Archives, Washington
- Northern Aviary, London Zoo. Designed by: Lord Snowdon, C. Price & F. Newby, in "Architectural Design," 9, 1965, pp. 451-459.
- Obrist H.U. (ed.), Re: CP, Birkhäuser, Basel
- Price C., "Building Design," 1071, January 11, 1991, pp. 18-21.
- Steiner H.A., For the Birds, in "Grey Room," 13, 2003. pp. 5-31.
- Stocchi A., Vittoriano Viganò, Etica brutalista. Testo & Immagine, Turin 1999.

THE FOREST AS A ROOM, THREE JAPANESE **URBAN HOUSES** BEATRICE BALDUCCI

- AA.VV.. Japan in Architecture. Genealogies of its Transformations, Shimoda Yasunari, Tokvo
- AA.VV., L'anima del Giappone, in "Lotus Navigator," 3, 2001. Go Hasegawa, "A+U," 556, 2017.

- El Croquis. Go Hasegawa 2005-2017. 191. 2017.
- Blair A., Endless Kazuyo Sejima, in "Moma PS1 Inside/Out," https://www.moma.org/explore/ inside out/2016/01/06/endless-kazuvo-seiima. accessed 30 September 2022.
- Branzi A., Rocca A., Lo specchio dell'anima. Andrea Branzi e Alessandro Rocca. conversazione sul Giappone, in "Lotus Navigator," 3, 2001, pp. 64-85.
- Cortes J.A., A Conversation with Kazuyo Sejima & Ryue Nishizawa, in "El Croquis," 139, 2008, pp. 7-13.
- Cortes J.A., Architectural Topology. An Inquiry into the Nature of Contemporary Space, in "El Croquis." 139, 2008, pp. 31-56.
- Fujimoto S., A Few Brief Words About Boundaries, in Kuma K. (ed.), Kyokai: A Japanese Technique for Articulating the Space, Tankosha Publishing, Tokyo 2010.
- Hasegawa G., Go Hasegawa Works, Toto Publishing, Tokyo 2012.
- Hasegawa G., Thinking Making Architecture, LIXIL Publishing, Tokyo 2015.
- Honda S., Towards Understanding Shintoism in Japan (In Japanese), Nippon Bungei, Tokyo
- Ishigami J., Another Scale of Architecture, LIXIL Publishing, Tokyo 2019.
- Kuma K. (ed.), Kyokai: A Japanese Technique for Articulating the Space, Tankosha Publishing, Tokyo 2010.
- Nakagawa E., Momoyama House, in "GA Houses," 177, 2021.
- Nakagawa E., Garden-like and exterior-like things. Thinking from frame windows, first roof, and Momoyama House, in "10+1,"
- https://www.10plus1.jp/monthly/2017/11/ issue-02.php, accessed 30 September 2022.
- Paba G., La città e il limite. I confini della città. GEF: La Casa Usher. Firenze 1990.
- Sejima K., Villa in the Forest, in "The Japan Architect," 14, 1994, pp. 186-195.
- Sejima K., Villa en el Bosque. Chino, Nagano, Japon, 1992-1994, in "El Croquis," 77, 1996, pp. 70-81.
- Tanizaki J., Libro d'Ombra, Bompiani, Milano
- Taut B., Nihonbi no saihakken (Rediscovery of Japanese Beauty), 1930.

THE CALL OF THE WILD. INHABITING THE FOREST IN THE WORKS OF KAZUYO SEJIMA AND SANAA GIULIA SETTI

- Allen S., Sanaa's Dirty Realism, in Idenburg F., Princeton University School of Architecture (eds.). The SANAA Studios 2006-2008. Learning from Japan: Single Story Urbanism, Lars Müller Publishers, Zurich 2009, pp. 58-67.
- Aliverti C., Grace Farms, The River, SANAA, Connecticut, 2022, in "Arketipo Magazine." https://www.arketipomagazine.it/grace-farmthe-river-sanaa-connecticut, accessed 5 September 2022.
- Blair A., Endless Kazuvo Seiima, 2016. https://www.moma.org/explore/

- inside out/2016/01/06/endlesskazuvo-seiima/#:~:text=Villa%20 in%20the%20Forest%2C%20 completed,concealed%2C%20and%20 direction%20becomes%20irrelevant. accessed 5 September 2022.
- Ciorra P., Ostende F. (eds.), The Japanese House. Architettura e vita dopo il 1945. Marsilio Editori, Venezia 2016.
- El Croquis, SANAA [I] 2015 2020, 205, 2020. El Croquis, SANAA 2011 2015 Kazuyo Sejima Ryue Nishizawa, 179-180, 2015.
- El Croquis, SANAA 2008 2011 Kazuyo Sejima Ryue Nishizawa, 155, 2011.
- El Croquis, SANAA 2004 2008 Kazuyo Sejima Rvue Nishizawa, 139, 2008.
- El Croquis, SANAA 1998 2004 Kazuyo Sejima Ryue Nishizawa, 121-122, 2004.
- El Croquis, SANAA 1994 2000 Kazuyo Sejima Rvue Nishizawa, 99, 2000.
- El Croquis, Kazuyo Sejima 1988-1996, 77, 1996. Eliasson O., Self-loop at Inuiima Art House Project, 2016, https://benesse-artsite.jp/ en/story/20161214-750.html, accessed 5 September 2022.
- Giovannini J., River building at Grace Farms in Connecticut, in "Architectural Review," 2016. https://www.architectural-review.com/ buildings/river-building-at-grace-farmsin-connecticut-usa-by-sanaa, accessed 5 September 2022.
- Hidaka E., Kazuyo Sejima: House in a Small Town, in "GA Houses," 115, Tokyo 2010, pp.
- London J., The Call of the Wind, The Macmillan Co., New York 1903.
- Hvatt Foundation. The Pritzker Architecture Prize. The Pritzker Architecture Prize. Madrid.
- Martinez P.G., Maroto Ramos F.J., Emergina patterns in the construction of Seiima's. Sanaa's and Nishizawa's domestic spaces, from 1987 to 2010, in "Frontiers of Architectural Research," 11, 2022, pp. 375-
- Metta A., Il paesaggio è un mostro. Città selvatiche e nature ibride. DeriveApprodi.
- Morrill R., Larner M. (eds.), Sanaa: Serpentine Gallery Pavilion 2009, Koenig books, London
- Mostafavi M., Inorganic Architecture, in "El Croquis," 155, 2011, pp. 244-251.
- Müller L., Miki A. (eds.), Insular Insight: Where Art and Architecture Conspire with Nature, Lars Müller Publishers. Zurich 2011.
- Seiima K., Villa in the forest, in "The Japan Architect," 14, 1994, pp. 186-195.
- Sejima K., Villa en el Bosque. Chino, Nagano, Japan, in "El Croquis," 77, 1996, pp. 70-81. Seiima K.. Inuiima Art House Proiect.
- Millegraph, Tokyo 2014. Sejima K., Inujima Project, in "The Japan
- Architect," 99, 2015. Sejima K., Talking about Study Models, in "AV Monografías, SANAA Seilma & Nishizawa, 2007-2015."
- Sejima K., Elding J., Setti G., Singer F. (eds.), Inuiima: Architecture Becomes Environment. Selected Proiects from Kazuvo Seiima's Design Studio, 2015-2019, Maggioli Editore,

- Santarcangelo di Romagna 2020. Setti G., Kazuvo Seiima, modelli e insegnamento, in "STOA. Strumenti per l'insegnamento della progettazione architettonica," 1, 2021, pp. 140-145. Zaera-Polo A., A Conversation with Kazuvo
- Seiima and Rvue Nishizawa. in "El Croquis." 99, 2000, pp. 6-19.

FOREST AND ARCHITECTURE CONTEMPORARY DESIGN APPROACHES FOR PUBLIC SPACES CHIARA GEROLDI, ANNARITA LAPENNA

- Aureli P.V., The Possibility of an Absolute Architecture, The MIT Press, Cambridge MA
- Beardslev J., Earthworks and Bevond, Abbeville Press Publisher, New York; London 2006, or. ed. 1984.
- Berrizbeitia A., Re-placing process, in Czerniak J., Hargreaves G. (eds.). Large Parks. Princeton Architectural Press: Harvard University Graduate School of Design, New York; Cambridge MA 2007, pp. 175-197.
- Biemann U., Traves P., Forest Law Foresta Giuridica, Nottetempo, Roma 2020.
- Carlisle S., Pevzner N., Piana M., Introduction: Building the Urban Forest, in "Scenario Journal." 4, 2014.
- Czerniak J., Appearance, performance: landscape at Downsview, in Id. (eds.), CASE: Downsview Park Toronto, Prestel; Harvard University Graduate School of Design, Munich; New York; Cambridge MA 2001, pp.
- Ekbo G., Is Landscape Architecture?, in "Landscape Architecture." vol. 73, 3, 1983. pp. 64-65.
- Geuze A., Buijs M., West 8 Airport landscape: Schiphol. in "Scenario Journal." 4, 2014.
- Grande J.K., Natural/cultural: a conversation with Alan Sonfist, in "Sculpture," vol. 23, 4, 2004, pp. 54-59.
- Doherty G., Waldheim C. (eds.), Is Landscape...? Essays on the Identity of Landscape, Routledge, London 2016.
- Allen S., McQuade M., Princeton University School of Architecture (eds.). Landform building: architecture's new terrain. Lars Müller Publishers, Zurich 2011.
- M'Closkey K., Unearthed: the landscapes of Hargreaves Associates, University of Pennsylvania Press, Philadelphia 2013.
- Mever E.. Sustaining beauty. The performance of appearance. A manifesto in three parts. in "Journal of Landscape Architecture." vol. 3. 1. 2008. pp. 6-23.
- Paquot T., L'espace public. La Découverte. Genève 2009.
- Reed P., Groundswell: constructing the contemporary landscape, Museum of Modern Art. New York 2005.
- VanderGoot J., Architecture and the forest aesthetic. A new look at design and resilient urbanism, Routledge, New York; London 2018.
- Waldheim C., Landscape as urbanism, in Id. (eds.), Landscape urbanism reader. Princeton Architectural Press, New York 2006, pp. 35-

- 53
- Waldheim C., Strategies of Indeterminacy in Recent Landscape Practice, in "Public," 33, 2006
- Waldheim C., Claiming the airport as landscape, in Dümpelmann S., Waldheim C. (eds.), Urban ecologies in the aerial age, Harvard University Graduate School of Design, Harvard Design Studies series, Cambridge MA 2016, pp. 13-19.
- Yusoff K., Gabrys J., *Time lapses: Robert Smithson's mobile landscapes*, in "Cultural Geographies," 32, 2006, pp. 444-450.

CAVITIES. THE SYLVAN ACTS BY COLONIZING LAURA ZAMPIERI

- AA.VV., Atlas de la nature à Paris, Le Passage, Paris 2006.
- Celecia J., *Urban ecology: biodiversity and* contemporary stakes of inventories, in "Journal d'agriculture traditionelle et de botanique appliquée." 1997.
- Clément G., *Il Giardiniere planetario*, 22 Publishing, Milano 2008, or. ed. L'oeil Neuf éditions. Paris 2004.
- Ernstson H., Sörlin S. (eds.), Grounding Urban Natures: Histories and Futures of Urban Ecologies, The MIT Press, Cambridge, MA; London 2019.
- Ernstson H., *Urban Plants and Colonial Durabilities*, in Gandy M., Jasper S. (eds.), *The Botanical City*, Jovis, Berlin 2020.
- Gandy M., Marginalia: Aesthetics, Ecology, and Urban Wastelands, in "Annals of the Association of American Geographers," vol. 103, 6, 2013, pp. 1301-1316.
- Gontier M., Sol et porosité de la ville, in Frank M., Pilutti Namer M. (eds.), La Convenzione Europea del Paesaggio vent'anni dopo (2000-20), Ca'Foscari, Venezia 2017, pp. 311-322.
- Latz P., Rust Red. Landscape Park Duisburg nord, Hirmer, Munich 2016.
- Mabey R., *The Story of Outlaw Plants*, Profile Books, London 2010.
- Owens M.A., Geopolitical Ecologies: Tracing the Shift from Citizen to User at Tempelhof and the Presidio, University of California, Berkeley 2018
- Pasquali M., I giardini di Manhattan, Storie di guerrilla gardens, Boringhieri, Bollati 2008. Veronese L., Park am Gleisdreieck integrare la natura selvatica nella dimensione urbana, in Lambertini A. (ed.), Urban Beauty! Luoghi prossimi e pratiche di resistenza estetica, Compositori, Bologna 2013.
- TABULA SILVA. REPRESENTATION AND PROJECT FOR THE FLEMISH FOREST-METROPOLIS FEDERICO GOBBATO LIVA, ANDREA MIGOTTO
- Aureli P.V., The Possibility of an Absolute Architecture, The MIT Press, Cambridge, MA 2011.
- Bervoets W., Heynen H., The Obduracy of the

- Detached Single Family House in Flanders, in "International Journal of Housing Policy," vol. 13, 4, 2013, pp. 358-380.
- Blomley T., Making Private Property: Enclosure, Common Right and the Work of Hedges, in "Rural History," vol. 18, 1, March 2007, pp. 1-21
- Corboz A., *Il Territorio Come Palinsesto*, in "Casabella," September 1985, pp. 22-27.
- Cosyns E. et al., Historische Ecologie in Limburg: Deelstudie Bosland, Thematisch Rapport, Privincie Limburg, Hasselt 2014.
- De Decker P., Understanding Housing Sprawl: The Case of Flanders, Belgium, in "Environment and Planning," vol. 43, 7, 2011, pp. 1634-1654.
- De Meulder B., Schreurs J., Cock A., Notteboom B., *Patching up the Belgian Urban Landscape*, in "OASE," 52, 1999, pp. 78-113.
- De Meulder B., Shannon K., Nguyen M.Q., Forest Urbanisms: Urban and Ecological Strategies and Tools for the Sonian Forest in Belgium, in "Landscape Architecture Frontiers," vol. 7, 1, 2019, pp. 18-33.
- DeFilippis J., *Unmaking Goliath: Community Control in the Face of Global Capital*, Routledge, London 2004.
- Dümpelmann S., Seeing Trees: A History of Street Trees in New York City and Berlin, Yale University Press, New Haven 2019.
- Ferrini F., Konijnendijk van den Bosch C., Fini A., Routledge Handbook of Urban Forestry, Routledge, London 2017.
- Gheysen M., Which Democratic City?, in Mantziaras P., Vigano' P. (eds.), Racine Modernes de La Ville Contemporaine. Distainces et Formes de Resilience, Metis Presse, Zurich 2019, pp. 87-104.
- Harrison R.P., Forests: The Shadow of Civilization, University of Chicago Press, Chicago 1993.
- Hilty J.A., Lidicker Jr W.Z., Merenlender A.M., Corridor Ecology: The Science and Practice of Linking Landscapes for Biodiversity Conservation, Island Press, Washington DC 2006.
- Kervyn T., Scohy J.P., Marchal D. et al., La Gestion Patrimoniale Des Forêts Anciennes de Wallonie (Belgique), in "Forêt.Nature," 148, 2018
- Morachiello P., Teyssot G. (eds.), Le Macchine Imperfette. Architettura Programma Istituzioni Nel XIX Secolo, Officina Edizioni, Roma 1980.
- Morachiello P., Teyssot G., (eds.), Le Macchine Imperfette. Architettura Programma Istituzioni Nel XIX Secolo, Officina Edizioni, Roma 1980.
- Mougenot C., Promoting the Single-Family House in Belgium. The Social Construction of Model Housing, in "International Journal of Urban and Regional Research," 1988, pp. 531-549
- Secchi B., Viganò P., La Ville Poreuse. Un Projet Pour Le Grand Paris et La Métropole de l'après-Kvoto. Métis Presses. Genève 2011.
- Shame G., *The Emergence of Landscape Urbanism*, in Waldheim C. (eds.), Landscape Urbanism Reader, Princeton Architectural Press, New York 2006, pp. 55-77.
- Shannon K., From Theory to Resistance: Landscape Urbanism in Europe, in Waldheim C. (eds.), Landscape Urbanism Reader,

Princeton Architectural Press, New York 2006, pp. 151-162.

419

- Theunis K., De Wet De Taeye. De Individuele Woning Als Bouwsteen van de Welvaartsstaat, in Van Herck K., Avermaete T. (eds.), Wonen in Welvaart. Woningbouw En Wooncultuur in Vlaanderen, 1948-1973, 010 Uitgeverij, Rotterdam 2006, pp. 66-77.
- Vanhaute E., Rich Ägriculture and Poor Farmers: Land, Landlords and Farmers in Flanders in the Eighteenth and Nineteenth Centuries, in "Rural History," vol. 12, 1, Cambridge University Press, Cambridge 2001, pp. 19-40.
- Vanhaute E., Van Molle L., Belgian agrarian and rural history, 1800-2000, in Thoen E. Van Molle L. (eds.), Rural History in the North Sea Area: An Overview of Recent Research, Middle Ages – Twentieth Century, Brepols Publishers, Turnhout 2006, pp. 177-216.
- Viganò P., Cavalieri C., Martina Barcelloni Corte M. (eds.), The Horizontal Metropolis Between Urbanism and Urbanization, Springer, Berlin 2018.
- Viganò P., La Citta Elementare, Skira, Milano 1999.
- Wambecq W., Forest Urbanism in the Dispersed Flemish Territory, PhD Thesis, KU Leuven, Leuven 2019.
- Wambecq W., Hidden Forest Figures in the Horizontal Metropolis: From Placeholders to Micro-Biotopes, the Case of Liedekerkebos, in Viganò P., Cavalieri C., Barcelloni Corte M. (eds.), The Horizontal Metropolis Between Urbanism and Urbanization, Springer, Berlin 2018, pp. 331-339.
- Wiggering W., Müller K., Werner A., Helming K., The Concept of Multifunctionality in Sustainable Land Development, in Helming K., Wiggering H. (eds.), Sustainable Development of Multifunctional Landscapes, Springer, Berlin 2003, pp. 3-18.
- Xaveer de Geyter Architects, After-Sprawl: Research for the Contemporary City, NAi Publishers, Rotterdam; DeSingel International Art Centre, Antwerp 2002.
- A DIVE IN THE NORDIC GREEN.
 FORESTURBIA: A MANUAL FOR A
 LANDSCAPED CITY
 LUDOVICO CENTIS, ANGELA GIGLIOTTI,
 FABIO GIGONE
- Banham R., Los Angeles: The Architecture of Four Ecologies, University of California Press, Berkeley CA 2001, or. ed. Harper & Row Publishers, New York 1971.
- Centis L., Gigliotti A., Gigone F., Foresturbia: a Manual for a Landscaped City, in Favargiotti S., Staniscia S. (eds.), Monograph. RESEARCH. R.E.D.S. 03 Flowing Knowledge, LIST LAB Internazionale Editoriale, Trento 2017, pp. 241-243.
- Gregotti V., Modificazione, in "Casabella," 498-499, 1984, pp. 2-7.
- MacKaye B., The New Exploration: A Philosophy of Regional Planning, University of Illinois Press, Champaign 1962, or. ed. Harcourt Brace, San Diego CA 1928.
- Malkawi A. et al. (eds.), Sustainability in

- Scandinavia: Architectural Design and Planning, Edition Axel Menges, Stuttgart; London 2018.
- Mikoleit A., Puerckhauer M., *Urban Code: 100 Lessons for Understanding the City*, The MIT Press. Cambridge MA 2001.
- Salottobuono (Ludovico Centis, Marco Ferrari, Fabio Gigone, Matteo Ghidoni, Michele Marchetti, Giovanni Alessandro Piovene Porto Godi), *Manual of Decolonization*, a+mbookstore, Milano 2010.
- SANAA, Kazuyo Sejima + Ryue Nishizawa/ SANAA: Works 1995-2003, TOTO, Tokyo 2003.
- Secchi B., *Progetto di suolo*, in "Casabella," 520-521, 1986, pp. 9-23.

UPSTATE ROME. A SUBURBAN ARCHIPELAGO LINA MALFONA

- Aureli P.V., Giudici M.S., *Island: The Settlement from Property to Care*, in "Log," 47, 2019, pp. 175-199.
- Benjamin W., Unpacking My Library: A Talk about Book Collecting, Hannah Arendt (ed.), Illuminations, Schocken Books, New York 1969
- Bourriaud N., Inclusioni. Estetica del capitalocene, Postmedia Books, Milano 2021, or. ed. Inclusions. Esthétique du capitalocène, PUF. Paris 2021.
- Bourriaud N., Relational Esthetics, Les presses du réel, Dijon 2002, or. ed. Esthétique relationnelle, Les presses du réel, Dijon 1998. Cacciari M., L'arcipelago, Adelphi, Milano 1997.
- Krier L., *Houses, Palaces, Cities*, in "Architectural Design," vol. 54, 7/8, 1984.
- Laugier M.-A., Essai sur l'Architecture, Duchesne. Paris 1755.
- Morton T., *Being Ecological*, Pelican, London 2018.
- Morton T., *Dark Ecology*, Columbia University Press, New York 2016.
- Picon A., French Architects and Engineers in the Age of Enlightenment, Cambridge University Press, Cambridge 1992, or. ed. Architectes et ingénieurs au siècle des lumières, Éditions Parenthèses. Marseille 1988.
- Quilici V., Roma capitale senza centro, Officina Edizioni. Roma 2007.
- Serres M., Atlas, Éditions Julliard, Paris 1994.
- ARCHITECTURE AND NATURE. ON THE ORIGIN AND CONVERTIBILITY OF ARCHITECTURE WERNER OECHSLIN
- Amico, G.B., L'Architetto Prattico, in cui con facilità si danno le regole per apprendere l'Architettura Civile. Palermo. 1726.
- Anglesea M., Preston, J., A Philosophical Landscape, Susanna Drury and the Giant's Causeway, in "Art History," vol. 3, 1980, pp.
- Apel, K.-O., *Der Denkweg von Charles S. Pierce*, Suhrkamp Verlag, Frankfurt, (1967) 1975.

- Betti, Z., Descrizione di un meraviglioso Ponte Naturale nei Monti Veronesi, Marco Moroni, Verona, 1766.
- Blondel, F., Cours d'Architecture: Seconde et troisième parties, P. Aubouin et F. Clousier, Paris. 1683.
- Caramuel de Lobkowitz, J., *Architectura civil recta y obliqua*, Camillo Corrado, Vigevano, 1678.
- de Chambray, F., Parallele de l'Architecture antique et de la moderne, E. Martin, Paris, 1650.
- d' Alembert, J.L.R., Diderot, D., Encyclopédie ou Dictionnaire raisonné des de Sciences, des Arts et des Métiers, par une société de Gens de Lettres, Briasson, David, Le Breton et Durand. Paris. 1751.
- Durand, J.N.L., *Précis des Leçons d'Architecture données à l'École polytechnique*, Paris, 1805. Ferriss, H., *The Metropolis of Tomorrow*, I.
- Washburn, New York, 1929.
- Galileo, G., *Opere, vol. II*, H.H. del Dozza, Bologna. 1655.
- Gandy, J.M., On the Philosophy of Architecture, in "Magazine of Fine Arts," vol. I (1821), pp. 289-93; 370-79.
- Giraldi, C., *Discorsi di M. Giovambattista Giraldi* Cinthio nobile Ferrarese..., Giolito, Venezia, 1554
- Haus-Rucker-Co, *Haus-Rucker-Co. Zeichnungen* 1967-74, Kunstverein und Städtisches Kunstmuseum, Bonn, 1974.
- Kant, I., Schmidt, R. (ed.), Kritik der reinen Vernunft, Felix Meiner, Hamburg, (1956) 1962. Kircher, A., Mundi subterranei: Tomus Ilus in V. Iibros digestus, Ex officina Janssonio-
- Waesbergiana, Amsterdam, 1678. Lambert, J.H., Anlage zur Architectonic, oder Theorie des Ersten und Einfachen in der philosophischen und mathematischen
- Erkenntniß, Hartknoch, Riga, 1771. Lovejoy, A.O., Essays in the History of Ideas, Johns Hopkins University Press, Baltimore, 1948.
- Oechslin, W., Bildungsgut und Antikenrezeption des frühen Settecento in Rom, Atlantis, Zürich. 1972.
- Ribart de Chamoust, C.F., L'Ordre François trouvé dans la Nature, présenté au roi le 21 septembre 1776, Chez Nyon fils, Paris, 1786.
- Ruscelli, G. (ed.), *Della Eloquenza, Dialogo del Reverendiss. Monsignor Daniel Barbaro, eletto Patriarca d'Aquileia*, Valgrisi, Venezia, 1557.

 Bolland M.E., *Nietzsche and mountains*, Durham Doctoral Thesis, Durham University, 1996,
- Scaliger, I.C., Exotericarum Exercitationum Liber quintus decimus, de Subtilitate, ad Hieronymum Cardanum, Michel de Vascosan, Paris. 1557.
- Scheerbart, P., *Glasarchitektur*, Verlag der Sturm. Berlin. 1914.
- Schlegel, F., Eichner, H. (ed.), *Ansichten* und Ideen von der christlichen Kunst, F. Schöningh, Munich, 1959.
- Simler, J., *Vallesiae et Alpium descriptio*, Christian Froschauer, Zürich, 1574.
- Summerson, J., *Heavenly Mansions and other Essays on Architecture*, W.W. Norton & Company, New York, 1963.
- Taut, B., Alpine Architektur, Folkwang Verlag, Hagen, 1919.
- von Wowern, J., De Polymathia tractatio, Froben, Basel, 1603 (1604).

Wolzogen, A.F. von, Aus Schinkel's Nachlaß, IV, Katalog des künstlerischen Nachlasses, Ernst & Korn, Berlin, 1864.

BIBLIOGRAPHY

THE QUEST FOR WILDERNESS IN THE FACE OF CLIMATE CHANGE SUSANNE STACHER

- Ashley-Cooper A., 3rd Earl of Shaftesbury, "The Moralists, a Philosophical Rhapsody" (1709), in Characteristics of Men, Manners, Opinions, Times, with a Collection of Letters by the Right Honorable Antony Earl of Shaftesbury, vol. 2, J. J. Tourneisen and J. L. Legrand, Basel 1790.
- Freud S., Introductory Lectures on Psychoanalysis, vol. 1, trans. J. Strachey, ed. J. Strachey, A. Richards, Penguin Freud Library, London 1991.
- Latour B., Imaginer les gestes-barrières contre le retour à la production d'avant-crise, AOC [online journal], 30 March 2020, https://aoc. media. accessed April 2020.
- Levitin D., Ancient Wisdom in the Age of the New Science: Histories of Philosophy in England, c. 1640–1700, Cambridge University Press, Cambridge 2015.
- Rosa H., Resonance: A Sociology of Our Relationship to the World, Polity, Cambridge 2019.
- Rousseau J.-J., *Julia, or the New Eloisia: A Series of Original Letters, etc. (1761)*, vol. 1, J. Bell, J. Dickson, and C. Elliot, Edinburgh 1773.
- Stacher S., Architektur in Zeiten der Krise: Aktuelle und historische Strategien für die Gestaltung "Neuer Welten"/Architecture in Times of Crises: Current and Historical Strategies for Designing "New Worlds," Birkhäuser. Basel 2023.
- Stacher S., Sublime Visions, Birkhäuser, Basel

CONSTRUCTING THE MODERN FOREST IN GREECE. DIMITRIS PIKIONIS AND THE PERTOULI EXPERIMENT ON THE MOUNTAIN RANGE OF PINDOS EMILIA ATHANASSIOU

- Bolland M.E., *Nietzsche and mountains*, Durham Doctoral Thesis, Durham University, 1996, http://etheses.dur.ac.uk/1579, accessed 14 October 2022.
- Cajander A.K., The theory of forest types, The Printing Office of Society for the Finnish Literary, Helsinki 1926, https://www. silvafennica.fi/article/7193, accessed 13 January 2023.
- Economopoulos A., Report on the scientific research carried out from 1929 to 1931 [Εκθεσις περί των από του έτους 1929-1931 εκτελεσθέντων επιστημονικών ερευνών] (In Greek), University of Thessaloniki, Thessaloniki 1931.
- Economopoulos A., "Letter to the members of the Directing Board of the University Forests Fund," in *Basic Forestry Issues in Pertouli* [Βασικά Θέματα της Δασοπονίας Περτουλίου] (In Greek), M. Triantafyllou & Sons, Thessaloniki

1964, p. 3. Eliot T.S., "Tradition and the individual talent," *The Egoist*, vol. VI, 4, September 1919 and vol.

VI, 5, December 1919. Hasanagas N.D., *Landscape Sociology*

[Κοινωνιολογία του τοπίου] (In Greek), Papasotiriou, Athens 2010, p. 103. Heidegger M., *Pathmarks* [Wegmarken 1919-

1961], trans. & ed. William McNeil, Cambridge University Press, Cambridge 1998. Heidegger M., *Off the Beaten Track* [Holzwege],

Heidegger M., Off the Beaten Track [Holzwege trans. J. Young and K. Haynes, Cambridge University Press, Cambridge 2002.

Kazantzakis N., Ascesis – Salvatores dei, trans. K. Friar, http://www.angel.net/~nic/askitiki. html. accessed 25 September 2022.

Kotionis Z., The question of origin in Dimitris Pikionis' work [Το ερώτημα της καταγωγής στο έργο του Δημήτρη Πικτώνη] (In Greek), Technical Chamber of Greece, Athens 1998, pp. 228-229.

Kyrtsis A-A., "A. Papanastasiou and early 20th century theories of social reform" [Ο Α. Παπαναστασίου και οι Θεωρίες Κοινωνικής Μεταρρύθμισης των αρχών του 20ού αιώνα] (In Greek), Historika, 9, 1988, p. 63-77.

Louca D., Papaioannou A., Pertouli: Settlement, Natural Environment, History [Το Περτούλι: Οικισμός - Φυσικό Περιβάλλον - Ιστορία] (In Greek), Cultural Association of Pertouli, Trikala 2009.

Loukaki A., "Pikionis and the East," in Id., The Geographical Unconscious, Ashgate Publishing, Farnham/Burlington 2014, pp. 301-335

Miesel V.H., "Philipp Otto Runge, Caspar David Friedrich and Romantic Nationalism," Yale University Art Gallery Bulletin, vol. 33, 3, October 1972, special issue: Correlations between German and Non-German Art in the Nineteenth Century, pp. 37-51.

Mitsakis N., "The University of Thessaloniki Students' Dormitories in Pertouli" [Το Ησυχαστήριον Φοιτητών Πανεπιστημίου Θεσσαλονίκης] (In Greek), Technical Chronicles [Τεχνικά Χρονικά], vol. 17, 196, 15 February 1940, pp. 141-143, http://library.tee.gr/digital/techr/1940/techr, accessed 13 January 2023.

Nirvanas P., *The Forest* [Το Δάσος] (In Greek), Government Publishing Office, Athens 1916.

Papageorgiou A.N., "Forest village in Pertouli 1953-1956" [Δασικό χωριό στο Περτούλι 1953-1956] in A. *Pikionis* (ed.), Pikionis, vol. V, *Dimitris Pikionis Architectural Work 1949-1964* [Δημήτρης Πικιώνης Αρχιτεκτονικό Έργο 1949-1964] (In Greek), Basta-Plessa, Athens 1994, pp. 49-72.

Parousis M., "The Study: The dreamscapes of Dimitris Pikionis" ['Η Μελέτη ': Τα ονειρικά τοπία του Αμμήτρη Πικιώνη] in P. Pantelakis, A. Pikioni and G. Sarigiannis (eds.), Dimitris Pikionis: A tribute to the centenary of his birth [Δημήτρης Πικιώνης: Αφιέρωμα στα εκατό χρόνια από τη γέννησή του] (In Greek), National Technical University of Athens, Athens 1989, pp. 211-226.

Philippides D., Modern Greek Architecture [Νεοελληνική Αρχιτεκτονική] (In Greek), Melissa Publishing House, Athens 1984, pp. 182-183.

Pikionis D., "Autobiographical notes" [Αυτοβιογραφικά σημειώματα, 1958] (In Greek),

- in Id., *Texts* [Κείμενα] (In Greek), MIET, Athens 1987, pp. 23-35.
- Pikionis D., "The spirit of tradition" [Το πνεύμα της παράδοσης, 1951], Id., *Text*s [Κείμενα] (In Greek), MIET, Athens 1987, pp. 157-159.
- Pikionis D., "Aesthetic principles of the architecture of the Housing Settlement in Αίχοηί" [Αισθητικές αρχές της αρχιτεκτονικής του Αιξωνικού Συνοικισμού, 1952], in Id., Texts [Κείμενα] (In Greek), MIET, Athens 1987, pp. 255-258.
- Psomopoulos P., "Dimitris Pikionis: An indelible presence in modern Greece," *Ekistics*, vol. 60, 362-363, September-December 1993, pp. 253-275.
- Radkau J., "Wood and Forestry in German History: In Quest of an Environmental Approach," *Environment and History*, vol. 2, 1, February 1996, special issue: Lammi Symposium, pp. 63-76, doi:10.3197/096734096779522482.
- Ruskin J., "Of Mountain Beauty," in *Modern Painters IV*, Part V, Smith, Elder, and Co., London 1856, pp. 166-186.
- Ruskin J., *Praeterita*, George Allen, London 1907, pp. 146-171.
- Ruskin J., "Schaffhausen and Milan," in E.T. Cook, A. Wedderburn (eds.), *The Works of John Ruskin*, Cambridge University Press, Cambridge 2015, pp. 104-119.
- Tacitus, *Germania* [De Origine et situ Germanorum].
- Thoreau H.D., Walden; or, Life in the Woods (1854), Oxford University Press, Oxford 2008. Tsiambaos K., "The Delphic Utopia" [Η Δελφική Ουτοπία], in Id., Ambiguous Modernity [Αμφίθυμη Νεωτερικότητα] (In Greek), Epikentro, Athens 2017, pp. 45-107.
- Tsiambaos K., From Doxiadis' Theory to Pikionis' Work: Reflections of Antiquity in Modern Architecture, Routledge, London & New York 2018, pp. 73-74.

BEYOND DUALISMS. THE "ELECTRONIC URBANISM" OF TAKIS CH. ZENETOS: 1962-1974

YORGOS TZIRTZILAKIS

Anonymous, Are We Going to Live in the Clouds? A Forecasting Study, in "To Vima" newspaper, Wednesday 3 November 1971, p. 5 [in Greek].

Benjamin W., To the Planetarium, in One-Way Street and Other Writings, trans. E. Jephcott and K. Shorter, NLB, London 1979.

Bryant L., *Wilderness Ontology, in Celina Jeffery* (ed.), Preternatural, Punctum Books, Brooklyn NY 2011.

Bloch E., *The Principle of Hope*, Volume 2, trans. N. Plaice, S. Plaice and P. Knight, The MIT Press, Cambridge, MA; London 1995. Carrouges M., *Les Machines célibataires*,

Arcanes, Paris 1954.

Fraenger W., *Il regno millenario di Hieronymus Bosch*, trans. I. Bernardini e G. Collu, Guanda, D. McLintock, Penguin Classics, London 2014. Kittler F., *Gramophone, Film, Typewriter*, trans. G. Winthrop-Young and M. Wutz, Stanford University Press, Stanford, Calif. 1999.

- Krauss R., *Bachelors*, The MIT Press, Cambridge, MA; London 1999.
- McLuhan M., Quentin Fiore, *The Medium Is the Massage: An Inventory of Effects*, Random House, New York 1967.
- Morton T., *The Ecological Thought*, Harvard University Press, Cambridge, MA; London 2010.
- Sloterdijk P., You Must Change Your Life: On Anthropotechnics, trans. W. Hoban, Polity Press, Cambridge 2013.
- Zenetos T.Ch., *Recycling*, in "Design in Greece," 6. 1975, pp. 209-210.
- Zenetos T.Ch., City Planning and Electronics, in "Architecture in Greece," 3, Athens 1969, p. 114-125.
- Zenetos T.Ch., *City Planning and Electronics*, in "Architecture in Greece," 4, Athens, 1973, pp. 247-248.
- Zenetos T.Ch., *Town Planning and Electronics*, in "Architecture in Greece," 7, p. 112-118. Zenetos T.Ch., *Town Planning and Electronics*, in "Architecture in Greece," 8, p. 122-135.
- Zenetos T.Ch., *Town and Dwelling in the Future. Town-Planning in Space. A Study 1962*, in "Architecture, Art and Decoration in Greece," 42, 1963, p. 52.
- Zenetos T.Ch., Furniture for Living and Working in the Year 2000. All-Purpose Furniture, in "Architecture in Greece," 3, 1969, p. 14.
- Zenetos T.Ch., 1st Building & Construction Trade Fair, exh. cat., Zappeion, Athens, November 1971, Pavilions 42 and 48, [in Greek].

1592 HOUSES IN THE FOREST. BRUNO TAUT AND THE WALDSIEDLUNG ZEHLENDORF IN BERLIN CHIARA CARAVELLO

- AA.VV., Bruno Taut 1880-1938. Architekt zwischen Tradition und Avantgarde, Deutsche Verlags-Anstalt, Stuttgart; Munich 2001.
- Berlin.de, Gartenstadt Falkenberg, https://www.berlin.de/sehenswuerdigkeiten/3561693-3558930-gartenstadt-falkenberg.html, accessed January 16, 2023
- Deutscher Werkbund Berlin e.V (ed.), *Bruno Taut. Meister des farbigen Bauens in Berlin*, Verlagshaus Braun. Berlin 2005.
- DWDS, Der deutsche Wortschatz von 1600 bis heute. (ed.), Baubereich, der, Bedeutungen, 3, https://www.dwds.de/wb/Baubereich#d-1-3-1, accessed January 16, 2023
- Hausmann B. (ed.), Neu, groß, grün. 100 Jahre Architekturmoderne im Berliner Südwesten. Groß-Berlin und die Folgen für Steglitz und Zehlendorf, Gebrüder Mann, Berlin 2020, pp. 70-75.
- Junghanns K., *Bruno Taut: 1880-1938; Architektur und sozialer Gedanke*, A. Seemann, Leipzig 1998.
- Landesdenkmalamt Berlin (ed.), Gartenstadt Falkenberg, https://www. berlin.de/landesdenkmalamt/welterbe/ welterbestaetten/siedlungen-der-berlinermoderne/gartenstadt-falkenberg-654609.php, accessed September 3, 2022.
- Landesdenkmalamt Berlin (ed.), Vorschlag für das deutsche Tentativverfahren

2021-2023 Waldsiedlung Zehlendorf. Erweiterung der Welterbestätte "Siedlungen der Berliner Moderne," https://www. berlin.de/landesdenkmalamt/welterbe/ welterbepotenziale/waldsiedlungzehlendorf-1179346.php, accessed August 27, 2022.

BIBLIOGRAPHY

- Landesdenkmalamt Berlin (ed.), Waldsiedlung Zehlendorf 3d Tabelle Vergleichsanalyse, https://www.berlin.de/landesdenkmalamt/welterbe/welterbepotenziale/waldsiedlungzehlendorf-1179346.php, accessed August 27, 2022.
- Landesdenkmalamt Berlin (ed.), Rundschreiben des Landesdenkmalamtes, https://www.berlin.de/landesdenkmalamt/_assets/pdf-und-zip/service/information-denkmalbereich2017.pdf, accessed January 16, 2023.
- Landesdenkmalamt Berlin, Erläuterung zur Denkmalliste, https://www.berlin.de/ landesdenkmalamt/denkmale/liste-kartedatenbank/denkmalliste/erlaeuterung-651203. php, accessed January 16, 2023.
- Metag K. and Beurich T., Brand in Berlin-Zehlendorf. U-Bahnhof Onkel Toms Hütte in Flammen – vier Verletzte, In: "BZ Die Stimme Berlins" November 15, 2020, https://www.bzberlin.de/archiv-artikel/feuer-am-u-bahnhofonkel-toms-huette-drei-leichtverletzte, accessed January 16, 2023.
- Migge L., Jedermann Selbstversorger. Eine Lösung der Siedlungsfrage durch neuen Gartenbau, Diederichs, Jena 1918, https://www.deutsche-digitale-bibliothek.de/item/VLADZ4XYHPNXPKMVSR5UC7FU2PCV, accessed September 3, 2022.
- Nachbarschaftsverein Papageiensiedlung, https://www.papageiensiedlung.de, accessed September 3, 2022.
- Pitz H., Brenne W., Die Bauwerke und Kunstdenkmäler von Berlin. Bezirk Zehlendorf. Siedlung Onkel Tom. Einfamilienhäuser 1929. Architekt: Bruno Taut, Gebr. Mann Verlag, Berlin 1980.
- Speidel M., *Bruno Taut: Natur und Fantasie,* 1880-1938, Ernst & Sohn, Berlin 1995.
- Van Andel F., Woningbouw in tijden van crisis. De groeiwoning als antwoord?/ Housing in Times of Crisis. Is the 'Growing House' the Answer?, in "DASH. Delft Architectural Studies on Housing, Housing exhibitions," 9, 2013, pp. 4-17. doi: https://doi.org/10.7480/ dash.09.
- Winfried Brenne Architekten, Berlin-Steglitz Untere Denkmalschutzbehörde (eds.), Waldsiedlung Zehlendorf Onkel-Toms-Hütte, Untere Denkmalschutzbehörde Berlin-Steglitz, Berlin 2006, https://nbn-resolving.de/ urn:nbn:de:kobv:109-opus-99256, accessed August 27, 2022.
- Zehlendorf Aktuell, KrummeOnkelOskar: Das Projekt "Klimafreundliche Papageiensiedlung" in Zehlendorf, https://zehlendorfaktuell. de/2022/04/26/krummeonkeloskar-dasprojekt-klimafreundliche-papageiensiedlungin-zehlendorf/, accessed January 16, 2023.

THE FOREST IN BRUNO TAUT'S CITY CROWN. A SPIRITUAL AND PERCEPTUAL

UTOPIA FOR OUR CITIES KEVIN SANTUS

- Capaccioli L., *Bruno Taut: visione e progetto, Dedalo*, Bari 1981.
- Gandy M., Urban Nature and the Ecological Imaginary, in Heynen N., Kaika M., Swyngedouw E. (eds.), In the Nature of Cities. Urban Political Ecology and the Politics of Urban Metabolism, Routledge, London 2006, pp. 62-71.
- Gold J.R., Modernity and Utopia, in Hall T., Hubbard P. and Short J.R. (eds.), The SAGE Companion to the City, SAGE, London 2008, pp. 67-86.
- Gravagnuolo B., *La progettazione urbana in Europa 1750-1960 Storia e teorie*, Laterza,
 Bari 1991
- Ingold T., Correspondences, Polity, Cambridge 2021.
- Miller T., Expressionist Utopia: Bruno Taut Glass Architecture and the Dissolution of Cities, in "Filozofski Vestnik," 1, 2017, pp. 107-129.
- Monestiroli A., *Le forme e il tempo*, in L. Hilberseimer (ed.), *Mies van der Rohe*, Città Studi, Milano 1984, pp. 7-18.
- Mumford E.P., Designing the Modern City: Urbanism Since 1850, Yale University Press, New Haven 2018.
- Nerdinger W., Hartmann K., Schirren M., Speidel M. (eds.), *Bruno Taut 1880–1938*, Deutsche Verlags-Anstalt, Munich 2001.
- Nielsen D., Kumarasuriyar A., Nature's Muses in Bruno Taut's Glashaus, in "Wit Transactions on Ecology and the Environment," 2012, pp. 49-60. https://doi.org/10.2495/DN120051.
- Ruskin J., Stones of Venice vol. 9, in Id., Tyas Cook E., Wedderburn A. (eds.), The Works of John Ruskin, George Allen, New York 1903.
- Taut B., Mindrup M., Altenmüller-Lewis U. (eds.), The City Crown, Ashgate, Surrey 2015, or. ed. Taut B., Die Stadtkrone, Eugen Diederichs Verlag. Jena 1919.
- Taut B., Natur und Baukunst, in Id., Speidel M. (ed.), Bruno Taut Ex oriente Lux: die Wirklichkeit einer Idee. Eine Sammlung von Schriften 1904-1938, Gebr. Mann, Berlin 2007, pp. 53-55.
- Taut B., Natur und Kunst, in Id., Speidel M. (ed.), Bruno Taut – Ex oriente Lux: die Wirklichkeit einer Idee. Eine Sammlung von Schriften 1904-1938, Gebr. Mann, Berlin 2007, pp. 50-52
- Taut B., Speidel M. (ed.), *Bruno Taut: Natur Und Fantasie* 1880-1938, Ernst et Sohn, Berlin
- Zardini M., Toward a Sensorial Urbanism, in "Lotus," 157, 2015, pp. 63-73.

EXPOSURE: 48 VARIATIONS OF DARKNESS VALENTINA NOCE

- Baudrillard J., Nouvel J., The singular objects of architecture, University of Minnesota Press, Minneapolis 2002.
- DeLillo D., Mao Ii, Leonardo, Milano 1992. Öztürk M.N., An uncanny site/side: On exposure, dark space, and structures of fear in the context of performance, in "Contemporary

- Theatre Review," vol. 20, 3, 2010, pp. 296-315. https://doi.org/10.1080/10486801.2010.488840. van Gennep A., *Les Rites de passage*, Johnson Reprint Corporation, 1969, or. ed. E. Nourry,
- Paris 1909.
 Vidler A., Warped space: Art, architecture, and anxiety in modern culture, The MIT Press, Cambridge MA 2002.

THE TEATRO REGIO IN TURIN. A FOREST PERSPECTIVE MARTINA MOTTA

- AA.VV., Il nuovo Teatro Regio di Torino, in "Atti e rassegna tecnica della Società degli Ingegneri e degli Architetti in Torino," anno XXVII, n. 9-10, settembre-ottobre 1973, Stamperia Artistica Nazionale. Torino.
- Barbero A., Storia del Piemonte, Einaudi, Torino 2022
- Bardelli P.G., Garda E., Mangosio M. (eds.), *II* teatro regio di Torino da Carlo Mollino ad oggi, Flaccovio Editore, Palermo 2011.
- Barrera F., I Sette Forti di Exilles. Metamorfosi architettonica di un complesso fortificato, Museo Nazionale della Montagna Duca degli Abruzzi. Torino 2002.
- Bellini A., *Benedetto Alfieri*, Electa, Milano 1958. Cavallari Murat A., Carluccio L., Viale Ferrero M., Mazzonis V. (eds.), *Il Teatro Regio*, Edizioni Aeda. Torino 1970.
- Comoli Mandracci V. (ed.), *Itinerari juvarriani*, CELID. Torino 1995.
- Comoli Mandracci V., Griseri A. (eds.), Filippo Juvarra: architetto delle capitali da Torino a Madrid 1714-1736, Fabbri, Milano 1995.
- Ferrari N., Sabatino M. (eds.), Carlo Mollino, architetto e storyteller, Park Books, Zurigo 2022
- Ferrari W., Pepino D., "Escartoun." La federazione delle libertà. Itinerari di autonomia, eresia e resistenza nelle Alpi Occidentali. Tabor. Valle di Susa 2013.
- Griseri A., Romano G. (eds.), Filippo Juvarra a Torino. Nuovi progetti per la città, Cassa Risparmio Torino, Torino 1989.
- Gritella G., *Juvarra: l'architettura*, Panini, Modena 1992.
- Minola M., Fortificazioni nell'arco Alpino, Priuli & Verlucca, Pavone Canavese 1998.
- Riberi M., Il Trattato di Utrecht e le autonomie locali nelle Alpi occidentali: il caso della République des Escartons, in "Utrecth 1713. I trattati che aprirono le porte d'Italia ai Savoia. Studi per il terzo centenario," Centro Studi Piemontesi, Torino 2014.
- Ricuperati G., Lo Stato sabaudo nel Settecento: dal trionfo delle burocrazie alla crisi d'antico regime, UTET, Torino 2001.
- Sereno P., Una carta inedita settecentesca dei boschi d'Exilles (Alta Valle di Susa), in Caroli Corti P., Pischedda C. (eds.), L'agricoltura nel Piemonte dell'800. Atti del seminario in memoria di Alfonso Bogge (Torino 2 dicembre 1989), Centro Studi Piemontesi, Torino 1989.
- Sgarzini G., Residenze sabaude: Corona di delizie, Istituto poligrafico e Zecca dello Stato, Libreria dello Stato, Roma 2008.
- Tamburini L., L'Architettura. Dalle origini al 1936. Storia del Teatro Regio di Torino, vol.4, Cassa di Risparmio, Torino 1983.

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Urbanism at Università luav di Venezia. He studsation, with a focus on post-industrial architecture ied at Università luav di Venezia (Italy) and at and landscape regeneration. She is currently TUDelft (the Netherlands) where he was awarded his Master of Science in Architecture. Urbanism and the Built Environment in 2018. His current rescapes on the case study of the Euregio Meuse-search explores the material, spatial and social ecologies emerging from the intersection between architecture, productive landscapes and urban design in Flanders and Europe. In 2022 he co-founded OPENHUIS, an experimental research laboratory working at the intersection

CHARLIE HAILEY

six books, including The Porch; Meditations on the Edge of Nature, Camps: A Guide to 21st Century and theory at the University of Florida, where he was recently named Teacher/Scholar of the Year.

STAMATINA KOUSIDI

Associate Professor of Architectural Design at the Department of Architecture and Urban Studies. Politecnico di Milano. Her research is at the interface of theories and projects of modern and contemporary architecture with an emphasis on the and the Poetics of Breathing (2020) and editor of the volume Viaggi e viste. Mediterraneo e modernità (2020). Her articles appear in architectural iournals including Territorio. Vesper. The Architectural Review, and RIHA Journal. In the period 2014-17, she held postdoctoral fellowships at DAStU/Politecnico di Milano, qta/ETH Zürich and Humboldt-Universität zu Berlin.

ANNARITA LAPENNA

PhD in Architecture and in Spatial Planning and Urban Development at the Université de Paris VIII and at the Politecnico di Milano. She has carried cuses on the relationship between the built and out researches at the GerPHAU lab, ENSAPLV in natural environments and the legacy of extractiv-Paris. She is Adjunct Professor and Post-Doc Fellow at Politecnico di Milano. Department of Architecture and Urban Studies. Her research focus on the study of the transformation of residual green spaces; on the definition of Intermilieux Apparatus Art, Architecture and Technology and Oslo Archias probing processes of the open urban project; and on the elaboration of strategic plans at the different scales of the territory.

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LINA MALFONA

Associate Professor in Architecture at the Univer-Fulbright Scholarship and several fellowships. including the CCA Visiting Scholarship (Canadian and on the relationship between architectural publishes the bulletin "Scholion." form and urban space. Her most recent books include The Mannerist Condition and Residentialism. Her writings have been published on architecture journals as Domus, Log, and The Avery Architect MSc - Ph.D., is a full professor of Archi-Review.

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Brussels-based architect and PhD candidate at the Faculty of Architecture of KU Leuven. He studied at the Politecnico di Milano (Italy) and at the TU Delft (the Netherlands), and later worked for architectural offices in Brussels and Melbourne (Australia). Since 2018, he is a doctoral researcher at KU Leuven (FWO SB grant 2019-2022). His work delves into the architecture of social housing in between form and structure. Flanders, investigating the terms for its possible reform based on alternative property, managerial. typological and constructive models. Recently. his field of interest has expanded to investigate Architect and PhD candidate in Architectural Urthe interaction between architecture, social needs and natural ecosystems.

MARTINA MOTTA

Researcher, architect, and activist. Her work foist practices, with a specific interest in historical and archival knowledge. Since 2014. Martina has developed research projects for La Biennale di Venezia, Manifesta12, MAAT - Lisbon Museum of tecture Triennale among others. She was part of OMA - Office for Metropolitan Architecture, Rotterdam. She is a PhD fellow in Architecture at Politecnico di Torino.

VALENTINA NOCE

research on technology in architecture. As an architect, she is a member of emerging practice

WERNER OECHSLIN

Federal Institute of Technology in Zurich (ETH). He studied art history, archeology, philosophy and mathematics in Zurich and Rome. He specializes in the theory of architecture, in Baroque, modern and 18th-century architecture. From 1987-2006 he was head of the Institute of the History and Theory of Architecture (gta). Among his publications are: Stilhülse und Kern: Otto Wagner, Adolf sity of Pisa, where she directs the research lab Loos und der evolutionäre Weg zur modernen Polit(t)ico. She pursued her research through a Architektur (1994; 2002) and Moderne entwerfen. Architektur und Kulturgeschichte (1999). He is the founder of the "Stiftung Bibliothek Werner Oechs-Centre for Architecture). She authored essays on lin" (Einsiedeln) which organizes since 1999 the the history, theory and criticism of architecture annual international Baroque summer course and

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tectural Design at Dastu. Politecnico di Milano. Since 2019 is head of the Ph.D. program of "Architectural Urban Interior Design" (http://www.auid. polimi.it), where he's developing multicultural, multidisciplinary, and experimental research. testing new insights in reference to the challenges of the present time. Ongoing research is related with the post-natural environment (Sylva IUAV) and European Research in Architectural Design (https://ca2re.eu/). He teaches Architectural Design and Typology, investigating the relationship

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ban and Interior Design (AUID) at the Politecnico di Milano. He graduated with honors in Architecture and Urban Design (2019) at the Politecnico di Milano, received the honorable mention for the Italian thesis Sustainable Architecture Award. He won an interdisciplinary PhD scholarship (2020) to study the role of nature-based solutions in design culture, their impacts, and morpho-typological features

GIULIA SETTI

Architect and Ph.D., is an Assistant Professor of Architect, PhD in Landscape and Environment Architectural and Urban Design at Politecnico di at Sapienza University of Rome. From 2006 Milano, Department of Architecture and Urban to 2021, with Paolo Ceccon, she combined ar-Studies. Her research focuses on the reuse of in- chitectural design with teaching and university dustrial architecture and on new typologies of research in the field of Landscape Architecture. contemporary public spaces. She has worked on Member of the Scientific Committee of the Quadthe "Territorial Fragilities" research project led by erni del Centro Studi Mediterraneo del Paesag-DAStU as Department of Excellence 2018-2022. gio (University of Cagliari) and Senior Research-In 2014-2015 she has conducted teaching and er at IUAV University of Venice. Since 2021-22, research activities at CEPT University, Ah- she has been a member of the Prin "Sylva" medabad, India.

SUSANNE STACHER

Architect and architecture critic. She teaches architectural theory and practice at the Versailles mental reasons (2021) and CZstudio associati. School of Architecture, where she holds a professorship. Her PhD was published by Birkhäuser in three languages under the title Sublime Visions: Architecture in the Alps (2018). Her current research, which focuses on crises and possible Architect, PhD, she is junior researcher in Archinarratives for building a different relationship with the world, will soon be published as Architecture in Times of Crises: Current and Historical Strateaies for Designing "New Worlds.

PAULO TAVARES

Architect, author and educator. Operating through multiple media, his work opens a collaborative at Università luav di Venezia, taking part in the field aimed at environmental justice and coun-scientific activity of the national research project ter-narratives in architecture. He is the author of PRIN "Sylva." several books questioning the colonial legacies of modernity, most recently Des-Habitat (2019), Lucio Costa era Racista? (2022), and Derechos No-Humanos (2022). The project Terra, in collaboration with Gabriela de Matos, was awarded the golden lion for best national participation at La Biennale di Venecia 2023. In Brazil he leads the spatial advocacy agency autonoma and teaches at the University of Brasília.

YORGOS TZIRTZII AKIS

Architect, theorist and curator who lives in Athens. He studied at the Faculty of Architecture at the University of Rome "La Sapienza", and is professor at the Department of Architecture, University of Thessalv, and artistic advisor at the DESTE Foundation of Contemporary Art. He is the author of the Sub-modernity and the Labor of Jov-Making Mourning: The Crisis Effect in Contemporary Greek Culture (Kastaniotis Editions). In this context investigate the "dismeasured impulse", the "becoming minor", and the new forms of "retribalization" in contemporary culture.

KOSTIS VELONIS

Associate Professor at Athens School of Fine Arts. His sculptures explore the comic and awkward condition of the object as subject, implying allegoric. everyday narratives and mythological plots. His work has been shown in institutions such as Kunsthalle Osnabrück (2019), Cranbrook Art Museum (2019), Art Basel (2018), Documenta 14 (2017), He studied Arts Plastiques/Esthétiques at Université Paris 8. He holds an MRes in Humanities and Cultural Studies from London Consortium and a PhD from the National Technical University of Athens.

LAURA ZAMPIERI

National Research Unit and the Line 1b/Tedea Research Unit "Paper Architectures and Great Revolutions." Her recent publications include: The World is No Longer a Garden. Towards a new alliance between landscape quality and environ-Scritti e Progetti (2020).

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K Sara Marini (a cura di), Nella selva. XII tesi, 2021.

Sara Marini, Vincenzo Moschetti (a cura di), Sylva. Città, nature, avamposti, 2021.

Alberto Bertagna, Massimiliano Giberti (a cura di), *Selve in città*, 2022.

Sara Marini, Vincenzo Moschetti (a cura di), Isolario Venezia Sylva, 2022.

L Jacopo Leveratto, Alessandro Rocca (a cura di), *Erbario. Una guida del selvatico a Milano*, 2022.

Fulvio Cortese, Giuseppe Piperata (a cura di), *Istituzioni selvagge?*, 2022.

* Sara Marini (a cura di), Sopra un bosco di chiodi, 2023.

Egidio Cutillo (a cura di), Bestiario. Nature e proprietà di progetti reali e immaginari, 2023.

Andrea Pastorello (a cura di), Selvario. Guida alle parole della selva, 2023.

Marco Brocca, Micol Roversi Monaco (a cura di), *Diritto e città "verde"*, 2023.

Luigi Latini, Lorenza Gasparella (a cura di), *Coltivare la selva*, 2023.