ARCHA6165 Structuring Contemporary Cities
Columbia University GSAPP
Instructor: Hilary Sample, hms2155@columbia.edu
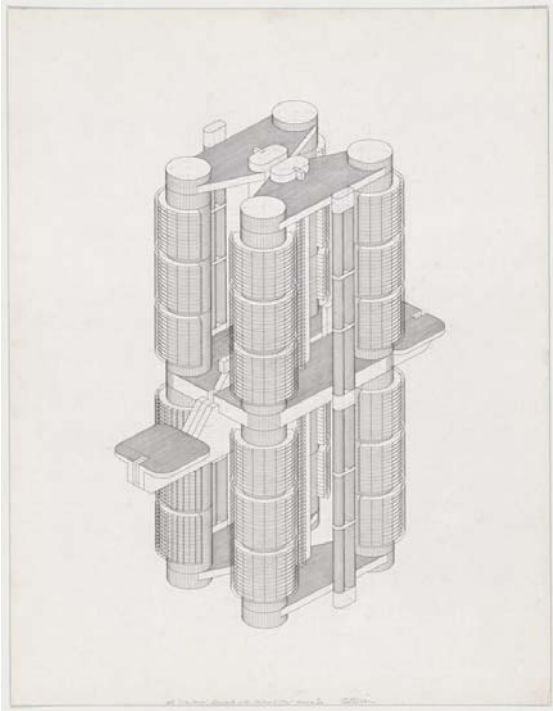**Thursdays 11:00 a.m.-1:00 p.m. Buell Hall 300 North**

Structuring Contemporary Cities: Problems of Health

Friedrich St. Florian. Elements of the Vertical City, project Rome, Italy, 1966.

Novartis Headquarters, Sanaa, Basel, Switzerland, 2006.

Course Description

This research seminar focuses on the complex intersection between design and health by examining particular modern and contemporary architectural typologies and their urban contexts and infrastructures. Cities formed through the programmatic development of their public spaces often as a direct result of public health and the intertwining of urbanism and architecture. This seminar approaches the history of design, architecture, and technology through a close reading of select models of architecture, propositions for cities, urban infrastructures, manifestos, and policies associated with general health and wellness. It aims to encourage students to reflect upon innovative building types and unusual urban projects. At the heart of the seminar will be the core understanding of modern and contemporary architects and the architecture and urbanisms they have produced with respect to health and environment. Students will be exposed to such building types and the political, social, and cultural manifestations that prompted their development, including a reading of their urban contexts from Post World War II to the present. The development of an architectural health type will be explored through specific building types including but not limited to hospitals, sanatoriums, rehabilitation centers, clinics, senior housing, daycares, health headquarters, pharmaceutical companies, and playgrounds. This seminar will take up historical, socio-political, and cultural aspects of architecture's progressive relationship to disease and health, trauma, wellness, and globalization. Students will be asked to consider the twofold aspects of urban health: that of a city being in a state of sickness or health, and what physical effects are produced within the city. What forms of architecture play out in relation to health? Each session is devoted to an in-depth study of a particular building type and health condition where paradigms the intertwining of health, architecture, technology, social theories, culture, and urbanism are presented. Among the architects presented are Alison and Peter Smithson, Rem Koolhaas, Alvaro Aalto, Aldo Rossi, Le Corbusier, Sanaa, Bertrand Goldberg, Gustav Peichl, João da Gama Filgueiras Lima, Aldo van Eyck, and Robert Venturi and Denise Scott Brown, among others. The seminar seeks to probe the imagination into the links between design and health, between the social and architecture, and between the environment and building as a laboratory for the framing of future urban typologies.

Requirements

Students are to produce original research as a semester long project in the form of either a written ten page paper or a digital presentation. Students' research will lead towards an original publication.

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SCHEDULE

Week 1 January 23   **Introduction: Sanatoriums: From Hoffman's Purkersdorf to Aalto's Paimio, Wagner's Steinhof Psychiatric Hospital**

Readings:
Leslie Topp, An Architecture for Modern Nerves: Josef Hoffman's Purkerdorf Sanatorium",
        JSAH/56:4, December 1997. pp.414-437.
'Designing a room of one's own: the architect Aino Massio-Aalto and Artek', *Scandinaviatz*
        Journal of Design History, no. 7, 1997, pp. 29-40.
Robert Vickery. "Bijvoet and Duiker". *Perspecta*, Vol. 13., 1971, pp.144-149.
Leslie Topp, Otto Wagner and the Steinhof Psychiatric Hospital: Architecture as Misunderstanding', *Art Bulletin*,
        vol. 87, no. 1, March 2005, 130-156.
Beatriz Colomina. The Medical Body in Modern Architecture", *Daidalos*: 64 (1997): 60-71.

Additional Readings:
Michel Foucault. *History of Madness.* London; New York: Routledge, 2006.
Harry Francis Mallgrave. *Otto Wagner: Reflections on the Raiment of Modernity.* Santa Monica, CA : Getty Center
        for the History of Art and the Humanities, 1993.

Week 2 January 30   **New York City: Health and Housing**

Kenneth Frampton. "The Evolution of Housing Concepts: 1870-1970," *Another Chance for Housing: Low-Rise
        Alternatives.* (New York: The Museum of Modern Art, 1973).
Gwendolyn Wright. "Americanization and Ethnicity in Urban Tenements," *Building the Dream: A Social History of
        Housing in America.* (Toronto: Random House, 1981). pp.114-134
Kwame Anthony Appiah. "Kindness to Strangers." *Cosmopolitanism: Ethics in a World of Strangers.* (London:
        Penguin, 2007),.155-174
Alex Lehnerer, "Codes, Conventions and Maxims: Official and Informal Regimes, Rules of Place in 196-s New
        York", *Grand Urban Rules.* (Rotterdam: 010 Publishers, 2009). pp. 165-188
Julie Sze. "What's Old is New: Public Health and Planning as Historical Antecedents to New York City's
        Environmental Justice Activism.", *Noxious New York: The Radical Politics of Urban Health and
        Environmental Justice*, Cambridge: MIT Press, 2007. pp.27-48
Mabel Wilson. "Black in Harlem: Architects, Racism and the City." *Harlemworld*, The Studio Museum of New York.
        pp.27-37
Michael Bell, "Still New York City", *Space Replaces Us/Essays and Projects on the City*. (Monticelli Press). pp.166-
        167
Hilary Ballon. "Robert Moses and urban renewal: the title I program" Robert Moses and the modern city: the
        transformation of New York. Eds. Hilary Ballon and Kenneth T. Jackson (New York: W. W. Norton & Co.,
        2007.) pp.94-115

Additional Readings:

Eric Homberger, "Harlem" in *The Historical Atlas of New York City: A Visual Celebration of Nearly 400 Years of
        New York City's History.* (Holt Paperbacks, 1998) pp.138-139
John Duffy, "1866-1966", *A history of public health in New York City.* (New York: Russell Sage Foundation, 1968)
Jonathan Gill. Harlem: The Four Hundred Year History from Dutch Village to Capital of Black America. (New York:
        Grove Press, 2011).
The New City: Architecture and Urban Renewal. (New York: The Museum of Modern Art, 1967).
Nancy Tomes. "Disciples of the Laboratory," *The Gospel of Germs: Men, Women, and the Microbe in American
        life.* Cambridge, Mass.: Harvard University Press, 1998. pp.91-112.
Sharifa Rhodes-Pitts. *Harlem is Nowhere: A Journey to the Mecca of Black America.* Little Brown and Company,
        2011.
Gayatri Chakravorty Spivak. *Harlem.* Seagull Books, 2013.
David Harvey, "The Spaces of Utopia" in *Spaces of Hope.* (Los Angeles and Berkeley: University of California
        Press, 2000). pp.133-181

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Week 3   February 6   Urban Maintenance, Facades, and Towers (Studio Mid terms Feb25-March 8)

Kenneth Frampton. "The Mutual Limits of Architecture and Science", *The Architecture of Science,* Eds. Peter Galison and Emily Thompson. (Cambridge, Mass. and London: The MIT Press, 1999), 353-373.
Reyner Banham, "Unwarranted Apology" in *The Architecture Of The Well-Tempered Environment*. (Chicago: University of Chicago Press, 1969),11-18
Anson Rabinbach, "Fatigue and Productivity," *The Human Motor. Energy, Fatigue, and the Origins of Modernity*, (Los Angeles and Berkeley: University of California Press, 1992), 219-220.
Alejandro Zaero-Polo, "A Taxonomy of Towers" in *The Endless City* (London: Phaidon Press, 2007) pp. 394-409
Reinhold Martin, "Resurfacing Modernism", *Perspecta* (Cambridge, Mass. and London: The MIT Press), 66-75
Darcy Grimaldo Grigsby Geometry/Labor = Volume/Mass?* *October*, Fall 2003), 3-34.
Mark Rakatansky, "Envelope Please" in *Architectural Words 9: Tectonic Acts of Desire and Doubt*. (London: Architectural Association London, 2012). 72-76

  Additional Readings:

Hilary Sample, "Maintenance Architecture", *Praxis*, *Journal of Writing Building*, No. 6, 2004), 106-113.
Hilary Sample, "Glass Acts", *LOG 22*, (New York: Anyone Corporation, 2011), 130-135.
David Nye. "Progress or Entropy" in *America as Second Creation: Technology and Narratives of New Beginnings*. (Cambridge, Mass. and London: The MIT Press, 2003). 161-182.
Georges Teyssot , "Mapping the Threshold: "A Theory of Design and Interface", *AA Files*, No. 57 (2008), 3-12.

Week 4 February 13   Mapping Architecture, Anxiety and Safety from Housing to Clinics in London

Alison Smithson, "Byelaws for Mental Health", *Team 10 Primer*, (London: Studio Vista, 1968), 76.
Alison and Peter Smithson, *Urban Structuring*, *studies of Alison and Peter Smithson*. (London: Studio Vista, 1967).
Beatriz Colomina. "Unbreathed Air 1956". *Grey room*, 2004 Spring, n.15. (Cambridge, Mass. and London: The MIT Press, 2004), 28-59.
Eric Mumford. "CIAM, 1933-1936"; "Team 10 and CIAM 10, Dubrovnik, 1956". *The CIAM Discourse on Urbanism, 1928-1960*. (Cambridge, Mass. and London: The MIT Press, 2000), 91-116; 238-265.
Dorothy Porter, "Being Fit to Live in the twenty-first century: healthy bodies and somatic maps." *Health, Civilization and The State: A History of Public Health from Ancient to ModernTimes*. (London: Routledge, 1999), 281-313.
Sarah Williams Goldenhagen. "Freedom's Domiciles: Three Projects by Alison and Peter Smithson", *Anxious Modernisms, Experimentation in Postwar Architectural Culture*, (Cambridge, Mass. and London: The MIT Press), 75-95.
John Allan, "Chapter 8: Social Services", *Berthold Lubetkin*. (London: RIBA Publications, 1992), 313-370
Jane Lewis; Barbara Brookes, A Reassessment of the Work of the Peckham Health Centre, 1926-1951
The Milbank Memorial Fund Quarterly. Health and Society, Vol. 61, No. 2. (Spring, 1983), pp.307-350.

  Additional Readings:

Stephen Verderber, David J. Fine. "Architecture Environments for the Aged" in *Healthcare Architecture In An Era of Radical Transformation*. (New Haven and London: Yale University Press) 223-278
Michel Foucault. *The Birth of the Clinic. An Archaeology of Medical Perception*. (New York: Vintage Books Editions, 1994), 64-87.
Fabrizio Gallanti and Francisca Insulza. "SARS ATLAS", *Domus Magazine*. February, 2004. pp.46-57.
Edward R. Tufte. "John Snow and The Cholera Epidemic", *Visual and Statistical Thinking: Displays of Evidence for Making Decisions*. (Graphics Press USA, Nov 1997), 5-15.
Beatriz Colomina, lecture:
        http://www.cca.qc.ca/en/study-centre/280-beatriz-colomina-unbreathed-air-1956-alison-and-peter

Week 5 February 20   Mapping Stress in Tel Aviv, Jerusalem, and Ramallah

Wendy Brown, "Waning Sovereignty, Walled Democracy"; "Desiring Walls" in *Walled States, Waning Sovereignty*. Cambridge, Massachusetts and London: The MIT Press, 2010), 7-42; 107-133
Keller Easterling, "Subtraction", Enduring Innocence. (Cambridge, Massachusetts and London: The MIT Press, 2005), 161-185.
Charlie Hailey, "Necessity," *Camps, a Guide to the 21st-Century Space*. (Cambridge, Massachusetts, and London: The MIT Press, 2009), 322-421.

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Elaine Scarry, "The Deconstruction of Making", *The Body in Pain, The Making and Unmaking of the World.* (New York and London: W. W. Norton & Company, 2011) pp.256-277

Eyal Weizman, "Checkpoints: The Split Sovereign and the One-Way Mirror"; "The Wall: Barrier Archipelagos and the Impossible Politics of Separation"; and "Urban Warfare: Walking Through Walls". *Hollow Land Israel's Architecture of Occupation.* (New York: Verso, 2007), 139-160; 161-184; 185-220.   .

Eyal Weizman, "The Best of All Possible Walls", *The Least of All Possible Evils: Humanitarian Violence from Arendt to Gaza.* (New York: Verso, 2012), 65-98.

Additional Readings:

Malkit Shoshan, *Atlas of the Conflict: Israel-Palestine.* (Rotterdam: 010 Publishers, 2010).

Pier Vittorio Aureli, Kersten Geers, Martino Tattara and David Van Severen. "Obstruction: A Grammar for the City", *AA Files*, No. 54 (Summer 2006), 2-7.

Week 6 February 27   **(Studio Mid terms Feb25-March 8) Venice: Quarantines and Hospitals**

Aldo Rossi, "Typological Questions", *The Architecture of the City* (Opposition Books. Cambridge, Mass and London: The MIT Press,1966), 35-45.

Lucia Allais. "Rapport Technique", *Harvard Design School Case: Le Corbusier's Venice Hospital.* Ed, Hashim Sarkis. (New York: Prestel, 2001),36-47.

Le Corbusier, *Radiant City.* (New York, 1967),135-145.

Jonathan Hughes. "Hospital-City." *Architectural History*, Vol. 40, 1997, pp.266-88.

Sven-Olov Wallenstein. "The Hospital as Laboratory", *Biopolitics And The Emergence Of Modern Architecture.* (New York: Princeton Architectural Press, 2009), 30-36.

Antoine Picon. "Architecture, Science, and Technology", *The Architecture And The Science* Eds. Peter Galison and Emily Thompson. (Cambridge, Mass. and London: The MIT Press, 1999), 309-336.

Karsten Harries. "The Publicness of Architecture" in *The Ethical Function of Architecture* (Cambridge, Mass. and London: The MIT Press, 2000), 288-290.

Additional Readings:

Storefront for Art and Architecture, *Landscapes of Quarantine*,
http://www.storefrontnews.org/archive/2010?c=&p=&e=170
http://davidgarciastudiomap.blogspot.com/2012/04/map-005-chernobyl.html

Week 7 March 6   **(Studio Mid terms Feb25-March 8) Vectors of Disease, Gustav Peichl , Bertrand Goldberg, João da Gama Filgueiras Lima The Sarah Network of Hospitals for Rehabilitation**

Alison Fisher, "Humanist Structures: Bertrand Goldberg Builds for Healthcare" in *Bertrand Goldberg: Architecture of Invention.* Ed. Zoe Ryan. (Chicago: Art Institute of Chicago, 2011.) 130-142

Stephen Verderber, "Hospital Futures" in *The Architecture of Hospitals.* Ed. Cor Wagenaar. (Rotterdam: NAi Publishers, 2006.), 76-87

http://www.boomandleisure.com/civic/lele-architect-of-health-and-happiness

Linda Legner. "Bertrand Goldberg's new work" *Inland architect* 1974 Jan., v. 18, n. 1, Whole Issue "Hospitals" *Architectural Record* . 1976 July, v. 160, n. 1, p.109-124

Latorraca, Giancarlo. *Joao Filguerias Lima, Lele.* (Lisboa, Portugal: Editorial Blau and Sao Paulo, Brasil: Instituto Lina Bo e P.M. Bardi, 2000).

Lima, Joao Filgueiras. CTRS, Centro de Tecnologia de Rede SARAH. (Brasilia, Sarah/Letras; Sao Paulo: Fundacaeo Bienal/ProEditores, 1999).

Jonge, Wessel de. "Between Art and Technology: The humane architecture of Lele" *International Working-Party for Documentation and Conservation of Buildings, Sites and Neighbourhoods Of the Modern Movement.* Dec 2001),70-75.

Additional Readings:

Davidson-Powers, Cynthia. "River City" *Inland Architect.* vol. 27, n. 3, May/June 1983, Chicago, IL. pp. 34-37

Mason Currey. "The Goldberg remedy" *Metropolis* 2009 Feb., v.28, n.7, p.50-57,89

Heinrich Klotz. "Special feature : Bertrand Goldberg" *A & U.* 1975 July, n. 55, p. [59]-156

Michael Kimmelman, "A Vision to Avoid Demolition for a 70s Pioneer." *New York Times.* October 17, 2012. Accessed January 9, 2013. < http://www.nytimes.com/2012/10/18/arts/design/adapting-prentice-womens-hospital-for-new-use-in-chicago.html>

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Week 8 March 13   **Aging, Wellness, and Housing**

Volume # 27: On Aging. (New York: Columbia University GSAPP / Archis, 2011).
Herman Hertzberger, "Spatial Discoveries" in Space and the architect: Lessons in Architecture 2: Volume
        2.(Rotterdam: 010 Publishers, 2000). pp.54-61
Francois Hopflinger, "The Second Half of Life: A Period of Life in Transition," *in New Approaches to Housing for
        the Second Half of Life*, ed. Andreas Huber. (Basel: Birkhauser, 2008), 31- 46.
Deanne Simpson "Gerotopias", in *Imperfect Health*, Montreal: Canadian Centre for Architecture; Lars Mueller
        Press, (2012): 347-362.
Esther McCoy, Stanislaus von Moos, "Venturi, Rauch, and Scott Brown." In *A+U* 1981 December, 1-224
Mark Jarzombek "Corridor Spaces" in *Critical Theor*y vol 36, no. 4, (Chicago: University of Chicago Press, Summer
        2010), 728-770.

Week 9 March 20   **Spring Break No Class**

Week 10 March 27   **Play and Urban Playgrounds, from Amsterdam to Norway**

M. Paul Friedberg, Ellen Perry Berkely. *Play and Interplay*. (New York: Macmillian Co. 1977), 13-94
Liane Lefaivre, "Playgrounds", *Aldo van Eyck*, *Humanist Rebel*. (Rotterdam: 010, 1999), 13-78.
Francis Strauven, Herman Hertzberger, *Aldo van Eyck's Orphanage*, Rotterdam: NAi Publishers, 1996.
Liane Lefaivre, "Space, place and play", *Aldo van Eyck: the playgrounds and the city.* (Amsterdam: Stedelijk
        Museum.)
Liane Lefaivre + Doll. "The Nature of Play"; "Ground-up city, the place of play", *Ground-Up City, Play as a Design
        Tool.*(Rotterdam: 010 Publishers),
Francis Strauven, *Aldo van Eyck, the Shape of Relativity*. (Amsterdam: Architectura & Natura, 1998).
Roy Kozlovsky. "Adventure Playgrounds and Postwar Reconstruction." *Designing Modern Childhoods: History,
        Space, and the Material Culture of Children*. Eds. Marta Gutman and Ning de Coninck-Smith (New
        Brunswick, NJ: Rutgers University Press, 2008). pp.171-192
Juliet Kinchin, "Hide and Seek: Remapping Modern Design and Childhood", "Light, Air, Health", and "The
        Playground Revolution" *Century of the Child Growing by Design 1900-2000* (New York: MoMA, 2012),
        10-27; 88-119; 242-248.
Denise Scott-Brown, "Changing Family Forms," *Journal of the American Planning Association*, (Spring 1983), 133-
        137.

Additional Readings:

Henri Lefebvre, Critique of Everyday Life, Vol. 1 (1947/58). London: Verso.

Week 11 April 3   **Architecture, Drugs, and Power: Workplaces and Pharmaceutical Headquarters**

Marcus Field. "High on Drugs—Basel." *Monocle.* Issue 02, Vol. 01, (April 2007),121-127.
John Thackara. "Convivality". *In the Bubble. Designing in a Complex World*. (Cambridge, Mass. and London:
        The MIT Press. 2005), pp.113-133
Ariane Laurie Harrison, "Learning from Laboratories". *LOG 21,* (New York: Anyone Corporation, Winter 2011),
        53-61
Daniel A. Bell and Avner De-Shalit, *The Spirit of the City: Why the Identity of a City Matters in a Global Age*
        (Princeton University Press, 2011),
Bryan S. Turner, "The Interdisciplinary Curriculum" in *Regulating Bodies. Essays in Medical Sociology*.
        (London Routledge, Taylor & Francis Group, 1992), pp.125-150.
Robert Venturi, "Thoughts on the Architecture of the Scientific Workplace: Community, Change, and
        Continuity", *The Architecture of Science* Eds. Peter Galison and Emily Thompson. (Cambridge,
        Mass. and London: The MIT Press, 1999), 385-398.

Additional Readings:

Hilary Sample. "BioMed City". *Verb Crisis*. (Barcelona: Actar, 2008). 68-78.

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Aaron Betsky, "A Building without Qualities SANAA's building on the Novartis Campus", *Novartis Campus-Fabrikstrasse 4 Works by Walter Niedermayr*. Ed. Christoph Merian. (Verlag Schweizerisches Architeckturnmuseum, 2006),13-16.

Bruno Latour. "Laboratories against Laboratories", in *Science in Action*. Cambridge: Harvard University Press, 1987. 91-94

Bruno Latour. "Introduction by Jonas Salk.", and "From Order to Disorder", in *Laboratory Life*. Princeton: Princeton University Press, 1986. pp.11-42

Week 12 April 10   **Administering Health from Geneva to Soweto**

Susan Sontag. "AIDS and Its Metaphors." in *Illness as Metaphor and AIDS as Its Metaphors*. (New York: Farrar, Straus and Giroux, 1989). 93-183

Alex de Waal. "AIDS Activists: Reformer and Revolutionaries" in *AIDS and Power, Why there is no political crises – yet*. (New York: Zed Books. 2006). 34-65

Matthew Barac, "Thinking Urban Change in South Africa", *Home Cultures*, Volume 4, Number 2, July 2007, 147-176.

Lindsay J. Bremner, "Closure, Simulation, and "Making Do" In the Contemporary Johannesburg Landscape", *Under Siege: Four African Cities Freetown, Johannesburg, Kinshasa, Lagos*. (Documenta 11_Platform 4. Hatje Cantz, 2003), 153-172.

Rem Koolhaas, "Fragments of Lecture on Lagos", *Under Siege: Four African Cities Freetown, Johannesburg, Kinshasa, Lagos*. (Documenta 11_Platform 4. Hatje Cantz, 2003),173-183.

Deyan Sujic, "The View from Outside"; Lindsay Bremner "Recovering from Apartheid"; Caroline Kihato, "African Urbanism". *In The Endless City*, Phaidon Press, 2008), 192-217.

Additional Readings

Bob Geldof, *Our Common Interest, The Commission for Africa, An Argument*. (New York: Penguin Books, 2005).

Lyon, D. *Surveillance Society: Monitoring Everyday Life*. Buckingham: Open University Press. 2001.

Hilary Sample, "Emergency Urbanism, and Preventative Architecture", *Imperfect Health*. (Montreal: Canadian Centre for Architecture; Lars Mueller Press, 2012),231-250.

Week 13 April 17   **Student Presentations class meets from 9-12pm**

Week 14 April 24   **Student Presentations class meets from 9-12pm**

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General Required Readings

Alison Bashford and Claire Hooker. "Introduction: Contagion, Modernity and PostModernity". *Contagion. Historical and cultural studies*. London and New York: Routledge, 2001. pp. 1-14.

Ulrich Beck, *Risk Society, Towards a New Modernity*, SAGE Publications Ltd, 1992.

Giovanna Borasi, Mirko Zardini, "Demedicalize Architecture", *Imperfect Health*. (Montreal: Canadian Centre for Architecture; Lars Mueller Press, 2012), 14-37.

Sven-Olov Wallenstein. "The Notion of Biopolticis and Man", *Biopolitics And The Emergence Of Modern Architecture*. (New York: Princeton Architectural Press, 2009), 4-14.

Rafael Moneo. "On Typology," *Oppositions*. (Cambridge, Massachusetts and London: The MIT Press, 1978).

Alan Colquhoun. "Typology and Design Method," *Perspecta*, Vol.12. (Cambridge: The MIT Press, 1969).

Theodor Adorno and Max Horkheimer*, Dialectic of Enlightenment*, translated by John Cumming (London, Allen Lane; first edition 1947.

Beatriz Colomina. The Medical Body in Modern Architecture", *Daidalos*: 64 (1997): 60-71.

Hervé Juvin, *The Coming of the Body* (London: Verso, 2010).

George Teyssot, "Norm and Type. Variations on a Theme", *Architecture and the Sciences, Exchanging Metaphors*, (New York: Princeton Architectural Press), 2003.

Manfredo Tafuri, "Order and Disorder, the Dialectic of Modern Architecture," *Architecture and Urbanism (A+U),* October 1976, pp. 97-120.

Mark Rakatansky, "Acts of Spatial Narrative" in *Architectural Words 9: Tectonic Acts of Desire and Doubt*. (London: Architectural Association London, 2012). 72-124

Mirko Zardini. "Air of the City", in Sense of the City. An Alternate Approach to Urbanism. Canadian Centre for Architecture. Lars Müller Publishers, 2008. pg.268-334.