



Columbia University Graduate School of Architecture, Planning and Preservation

2014 A6012 Global Metropolis

9:00-11:00 / Thursdays / 115 Avery

Douglas Gauthier dg344@columbia.edu

A metropolis is not readily codified as an architectural object. Following from Enrique Walker's Metropolis seminar, the historic idea of the singular, great city has largely been supplanted by a global field. A city, and by extension architecture, maintains immediacy through contribution to this field. This evolution underscores the interconnectedness of our time both in terms of architecture— whether at the object, public or urban scale; and global regulation – whether financial, ecological or political. An object is measured simultaneously as a singular entity and as a part of the system. Our world is a global metropolis, much like a bazaar or a Luna Park, in which equal activity occurs between the market stalls, the rides, the games as within them. But what are the global, urban, regional boundaries of a global metropolis and how are they measured? What are the prostheses that allow for an understanding of the space of the global metropolis? What are the representational machineries, or conventions, to provide access and measure the space of the global metropolis? Using fragments of vital metropolises-turned-megalopolises in today's global network: New York, Moscow, Beijing, Rio, Johannesburg, and Mumbai, we define and re-imagine a (future) global metropolis.

This course is comprised of four basic components: class discussions, Studio-X talks, team presentations, and Office Visits to New York practices involved in projects in China, South America, Africa and/or Russia. Global Metropolis is defined by the developed matrix of six cities, six topics, five studio-X, six office visits, fifteen discussion topic readings, twenty-plus background readings and group presentations. Class discussions will follow Studio-X talks and Office Visits and will use the assigned readings as a point of reference. Students are expected to attend each class and office visit, to complete the assigned readings in time and to participate in class discussion. Team presentations from four teams (Beijing, Brazil, Johannesburg, Mumbai) are to consist of a narrative essay of 1500-3000 words with accompanying graphic documentation.

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Schedule

| | |
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| 01/23: Session 1: | Global Metropolis - Introduction |
| 01/28: LIPS Event | Julian Brash, <i>Looking Back the Bloomberg Way</i> 1:00 @ Room 114 Avery Hall |
| 01/29: Lecture | Historian: <i>Twelve Ecologies of the Envelope</i> Alejandro Zaera-Polo 6:30 @ Wood Auditorium |
| 01/30: Session 2: | Seminar Discussion |
| 02/03: Panel | Detective: <i>Advanced Data Visualization Project</i> 6:30 @ Wood Auditorium |
| 02/06: Session 3: | Studio-X Discussion – Keith Kaseman Brazil / Sangue Bom / Rio: ReMix |
| 02/07: Symposium | Forecaster: <i>New York Minutes</i> 6:30 @ Wood Auditorium |
| 02/13: Session 4: | Seminar Discussion Dissonance, Luna Park and Heterarchy |
| 02/19: Lecture | Diplomats: <i>Global Practice and Representation</i> WORKac 6:30 @ Wood Auditorium |
| 02/20: Session 5: | Seminar Discussion Cosmopolitanism at the Playground |
| 02/11: Panel | Processor: <i>Messages and Means:</i> <i>Muriel Cooper at MIT</i> 7:00 @ Buell Hall |
| 02/27: Session 6: | Global Office Presentation |
| 03/06: Session 7: | Studio-X Discussion – Mabel Wilson Johannesburg / Africa-Lab / Global Research |
| 03/10-14: Travel week 03/17-21: Travel week | Global Metropolis studio travels to Rio Spring Break |
| 03/27: Session 8: | Studio-X Discussion – Jeffrey Johnson Beijing / Megablocks / Museum of the Future |
| 03/27: Lecture | Activist: <i>Thinking the World Politically</i> Chantal Mouffe 6:30 @ Wood Auditorium |
| 04/03: Session 8: | Studio-X Discussion / Seminar Discussion |
| 04/04: Exhibition | Metabolizer: <i>Love and Gravity:</i> <i>R. Buckminster Fuller's World Game</i> 1:00 @ Wood Auditorium |
| 04/08: Discussion | Painter: <i>Divergent Lines, Emergent Spaces</i> 6:30 @ Wood Auditorium |
| 04/10: Session 10: | Global Office Presentation |

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| 04/11: Symposium | Coxswain: <i>Mobilities in Cities: From Visible to Invisible</i> 10:00 @ Wood Auditorium |
| 04/16: Lecture | Farmer: <i>Between Nature and Architecture</i> 6:30 @ Wood Auditorium |
| 04/17: Session 11: | Global Office Presentation |
| 04/17: Exhibition | Bureaucrat: <i>Visualizing Universalism: The UNESCO Human Rights Exhibition</i> 6:30 @ Buell Hall |
| 04/18: Conference | Adjuster: <i>The Urgencies of Architectural Theory</i> 9:00 @ Wood Auditorium |
| 04/21: Discussion | Commuter: NY-London 6:30 @ Wood Auditorium |
| 04/24: Session 12: | Global Office Presentation |
| 04/25: Conference | Durst Conference: <i>From Port to People: Reinventing Urban Waterfronts</i> 10:00 @ The Italian Academy |
| 04/29-05/03: | Final Review Week |
| 05/08: Session 13: | Global Metropolis Group Presentations Group presentation files and papers archived |
| 05/16: Symposium | Park Ranger: <i>Urban Nature: Between Human and Nonhuman</i> 10:00 @ Center for Architecture |

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Discussion topics

Dissonance, Luna Park and Heterarchy

Cosmopolitanism at the Playground

Value / Market Rationality Intertwined with Regulation / Civic Logic

Convention / Renown versus Infrastructure / Industrial Rationality

Technique and Implicit / Explicit Metrics:

| | |
|----------------|-------------------------------|
| Concept | <i>Inspiration</i> |
| Boundary | <i>Loyalty</i> |
| Regulation | <i>Civic Logic</i> |
| Convention | <i>Renown</i> |
| Value | <i>Market Rationality</i> |
| Infrastructure | <i>Industrial Rationality</i> |

Studio-X presentations

Studio-X Brazil / Sangué Bom / Rio: ReMix – Keith Kaseman

Keith Kaseman <kk@kbas-studio.com>

Studio-X Johannesburg / Africa-Lab / Global Research

Mabel Wilson <libbiw@earthlink.net>

Mario Gooden, AIA <mgooden@huffgooden.com>

Studio-X Beijing / Megablocks / Museum of the Future

Jeffrey Johnson, AIA <jeffrey@slab-a.net>

Studio-X New York / LES / The New Museum

David Benjamin <d@thelivingnewyork.com>

Nicola Twilley <nicola.twilley@gmail.com>

Global Office presentations *(potential)*

Adjaye Associates @ 415 Broadway (Entrance on Canal)

Marc McQuade <marcmcquade@gmail.com>

Apexart @ 291 Church Street

Steven Rand <steven.rand@apexart.org>

ARUP, NY @ 77 Water Street

Vincent Lee <vincent.lee@arup.com>

Buro Happold Engineers @ 100 Broadway

Pamela.Buckeye <Pamela.Buckeye@BuroHappold.com>

Ennead Architects @ 320 West 13th Street

Andrew Burdick

Amy Maresko

Foster + Partners @ 300 West 57th Street

William Arbrizu <warbizu@fosterandpartners.com>

Courtney Hunt

KPF: Kohn Pedersen Fox Associates PC @ 11 West 42nd Street

Bruce Fisher, AIA <befisher@kpf.com>

SHoP Architects @ 11 Park Place, Penthouse

Nikolett B. Martin <nbm@shoparc.com>

Snøhetta, NY @ 25 Broadway

Vanessa Kassabian <vanessa@snohetta.com>

Giancarlo Valle <giancarlo@snohetta.com>

SOM, NY @ 14 Wall Street

Carolina Burdo <Carolina.Burdo@som.com>

Scott Duncan <Scott.Duncan@som.com>

Studio Libeskind @ 12 Rector Street 19th Floor

Carla Swickerath <carla.swickerath@daniel-libeskind.com>

Timeline Notes

Early Government

- Brazil: 1500-1889 Monarchy; 1889-1930 Old Republic
- Russia: 533-1917 Czarist Russia Ivan IV-Nicholas II
- India: 1556-1725 Mughal Empire; 1619 East India Company
- China: 221-1911 Imperial Era; 1912-1927 Republic of China, KMT; 1921 CCP Established; 1920's-1949 Years of KMT-CCP Civil War
- South Africa:

Socialist Regimes

- Brazil: 1930-1964; 1964-1985 Military Regimes
- Russia: 1917-1989 USSR Lenin, Stalin, Khrushchev, Brezhnev
- India: 1858-1948 British Empire;
- China: 1949 People's Republic of China; 1958 Great Leap Forward; 1966-1976 Cultural Revolution; Mao Zedong
- South Africa:

Transitional

- Brazil: 1985-1990 New Republic
- Russia: 1989-1991 Gorbachev Perestroika; 1991-2000 Yeltsin
- India: 1950-1998 Nehru, Shastri, I. Gandhi, Desai, Singh, I. & R. Gandhi, Dal, Shekhar, Rao, BPJ
- China: 1972 Nixon; 1986-1990 Open Door Policy
- South Africa:

Current

- Brazil: 1990-present day Elections of Collor, Franco, Cardoso, Lula da Silva, Rousseff
- Russia: 2000-present day Putin, Medvedev
- India: 1998-2003 NDA; 2004-present day INC/UPA
- China: 1993-present day Market Socialism: Jiang Zemin, Hu Jintao
- South Africa:

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Discussion Readings:

(grey indicates reference documents)

Dissonance, Luna Park and Heterarchy:

- Martin Kippenberger. The Happy End of Franz Kafka's "Amerika." Koln: Oktogon: Bonn, VBG, 1999.
- Kippenberger. YouTube:
<http://www.youtube.com/watch?v=0YxnE828gJ8>
- Owen, David. "The Anti-Gravity Men." *The New Yorker*, June 25, 2007.
- Stark, David. The Sense of Dissonance: Accounts of Worth in Economic Life, Princeton and Oxford: Princeton University Press, 2009.

Cosmopolitanism at the Playground:

- Allen, Stan. "The New Cosmopolitans."
- Appiah, Kwame Anthony. "Cosmopolitan Contamination," Ch. 7, Cosmopolitanism: ethics in a world of strangers. NY: W.W. Norton, 2006.
- Latour, Bruno, and Peter Weibel, Editors. Making Things Public: Atmospheres of Democracy. 2005. "From Realpolitik to Dingpolitik." Introduction by Bruno Latour.
- Ian Volner. X Marks the Spots | *Metropolis Magazine*, February 4, 2012.

Value / Market Rationality Intertwined with Regulation / Civic Logic:

- Dietz, Steve, "Fair Assembly." Making Things Public: Atmospheres of Democracy. Latour, Bruno, and Peter Weibel, Editors. 2005.
- Doucet, Isabelle. "[Centrality] and/or Cent[ra]lity: A Matter of Placing the Boundaries." *Urban Landscape Perspectives*, 2008, pp. 93-121.
- Easterling, Keller. "Enduring Innocence." *Grey Room 07*, Special Issue: On 9/11. Spring 2002, pp. 106-113.
- Wigley, Mark. "Network Fever." *Grey Room 04*, Summer 2001, pp. 82-122. 2001. Grey Room, Inc. and Massachusetts Institute of Technology.
- Jenlink, Patrick. "Creating Public Spaces and Practiced Places for Democracy, Discourse, and the Emergence of Civil Society." Published online: 18 July 2007.
- Guattari, Félix, and Suely Rolnik; translated by Karel Clapshow and Brian Holmes. Molecular Revolution in Brazil. Semiotext(e) foreign agents series. Cambridge, Mass; London: Semiotext(e), 2007.

Convention / Renown versus Infrastructure / Industrial Rationality:

- Appiah, Kwame Anthony. "Kindness to Strangers," Ch. 10, Cosmopolitanism: ethics in a world of strangers. NY: W.W. Norton, 2006.
- Australian Government: Department of Infrastructure and Transport. *Creating Places for People: an urban design protocol for Australian Cities*, 2011.

- Allen, Stan and Marc McQuade, Editors. Landform Buildings. From the Biological to the Geological., pp. 20-37 & 468-471. Lars Müller Publishers. New York, 2011.
- KPF "New Songdo City: Urban Design Strategies." 2008.
- Lang, Robert E. & Arthur C. Nelson.
<http://places.designobserver.com/feature/megapolitan-america/30648/>
- Varnelis, Kazys. "Goodbye Supermodernism." *Urban Landscape Perspectives*, 2008, pp. 93-121.
- WORKac. 49 Cities. Storefront Books, 2009.

Studio-X Readings:

Brazil (with thanks to Keith Kaseman and Mario Gooden)

- del Rio, Vicente, and William Siembieda, editors; foreword by Jon Lang. Contemporary Urbanism in Brazil: beyond Brasília. Gainesville : University Press of Florida, c2009.
- Kolhsdorf, Maria Elaine et alli. "Brasilia: Permanence and Transformations", in *Beyond Brasilia: Contemporary Urbanism in Brazil*, Gainesville, UPF, 2009.
- Lara, Fernando, "Vernacular Modernism: the Brazilian case", *Journal of Architectural Education*, October 2009.
- Lara, Fernando. "Incomplete Utopias: imbedded inequalities in Brazilian modern architecture", *Architectural Review Quarterly*, vol 15 n. 2, August 2011, pp. 131-138.
- Levine, Robert M. and John J. Crocitti, editors. *The Brazil Reader: History, Culture Politics*. Durham: Duke University Press, 1999.
- Palti, Elías José. "The Problem of "Misplaced Ideas" Revisited: Beyond the "History of Ideas" in Latin America." *Journal of the History of Ideas*. Vol. 67, No. 1 (Jan., 2006), pp. 149-179.
- Roett, Riordan. *The New Brazil*. Washington, DC: Brookings Institute Press, 2010.
- Starobin, Paul. "What The U.S. Can Learn From Brazil." 2009.
- Williams, Richard. "Brasilia after Brasilia." *Progress in Planning* 67, 2007, pp. 301-366.
- Williams, Richard "Brazil's Legacies", *Brazil – modern architectures in history*, London: Reaktion Books, 2009, pp. 143-161.
- Wisnik, Guilherme. "Doomed to Modernity", *Brazil's Modern Architecture*, (London: Phaidon) 2004:20-55.

South Africa (with thanks to Mario Gooden and Mabel Wilson)

- Blank- Architecture, *Apartheid and After*. Hilton Judin and Ivan Vladislavić [editors]. Rotterdam : NAI ; New York : Distributor, D.A.P./Distributed Art Publishers, c1998.

- Bremner, Lindsay. "Remaking Johannesburg." Writing the City into Being: Essays on Johannesburg, 1998-2008. Edited by Bronwyn Law-Viljoen. Johannesburg : Fourthwall Books, c2010.
 - Ferguson, James. *Global Shadows : Africa in the Neoliberal World Order*. Durham: Duke University Press, 2006. Johannesburg : *The Elusive Metropolis*. Edited by Sarah Nuttall and Achille Mbembe. Afterword by Arjun
 - Harvard and Rem Koolhaas. "Lagos." *Mutations*, ACTAR, 2000.
 - Lisa Findley.
<http://places.designobserver.com/feature/red-and-gold-a-tale-of-two-apartheid-museums/24779/>
 - Lisa Findley & Liz Ogbu.
<http://places.designobserver.com/feature/south-africa-after-apartheid-from-township-to-town/31148/>
 - Law-Viljoen. *Johannesburg : Fourthwall Books*, c2010. Dayan, Hilla. *Regimes of Separation Old and New: Principles of Control in Apartheid Era South Africa* and Feher, Michel, ed., *Nongovernmental Politics*. New York: Zone Books, 2007.
 - Marx, Anthony W. *Making Race and Nation: A Comparison of South Africa, the United States, and Brazil* (Cambridge Studies in Comparative Politics). Cambridge: Cambridge University Press, 1998.
 - Dorothy Tang & Andrew Watkins.
<http://places.designobserver.com/feature/ecologies-of-gold-the-past-and-future-mining-landscapes-of-johannesburg/25008/>
- China** (with thanks to Jeffrey Johnson)
- Campanella, Thomas J. *The Concrete Dragon* (New York, NY: Princeton Architectural Press, 2008.)
 - Dray-Novey, Alison, Lilian M. Li and Haili Kong. *Beijing: From Imperial Capital to Olympic City* (New York: Palgrave MacMillen, 2007.)
 - Dutton, Michael (ed.). *Streetlife China* (New York: Cambridge University Press, 1999.)
 - Fleischer, Friederike. *Suburban Beijing: Housing and Consumption in Contemporary China* (Minneapolis: University Of Minnesota Press, 2010.)
 - Freidman, John. *China's Urban Transition* (Minneapolis: University Of Minnesota Press, 2005.)
 - Greco, Claudio and Carlo Santoro. *Beijing: The New City* (Milan: Skira Editore, 2008.)
 - Grima, Joseph. *Instant Asia* (Milan: Skira Editore, 2008.)
 - Guldemond, Jaap (ed). *China Contemporary: Art, Architecture and Visual Culture* (Rotterdam, Netherlands: NAI Publishers, 2006.)
 - Hassenpflug, Dieter. *The Urban Code of China* (Basel: Birkhauser, 2010)
 - Hornsby, Adrian and Neville Mars. *The Chinese Dream* (Rotterdam, Netherlands: 010 Publishers, 2008.)

- Knapp, Ronald. *China's Walled Cities* (New York: Oxford University Press, 2000.)
- Koolhaas, Rem, Chuihua Judy Chung, Jeffrey Inaba, et. al. *Great Leap Forward. Harvard University. Graduate School of Design. Project on the City 1* (New York: Taschen America, LLC, 2001.)
- Ma, Laurence J. C. and Fulong Wu (eds). *Restructuring the Chinese city: changing society, economy and space* (New York: Routledge, 2005.)
- Mangurian, Robert and Mary-Ann Ray. *Caochangdi: Beijing Inside Out* (Hong Kong: Time Zone 8, 2008.)
- Rowe, Peter and Seng Kuan. *Architectural Encounters with Essence and Form in Modern China* (Cambridge, MA: The MIT Press, 2002.)
- Rowe, Peter. *East Asian Modern* (London: Reaktion Books, 2005.)
- Rowe, Peter. *Emergent Architectural Territories in East Asian Cities* (Basel: Birkhauser, 2011.)
- Ruan, Xing (ed). *New China Architecture* (North Clarendon, VT: Tuttle Publishing, 2006.)
- Shatzman Steinhardt, Nancy. *Chinese Imperial City Planning* (Honolulu: University of Hawaii Press, 1990.)
- Zhang, Yingjin. *The city in modern Chinese literature & film: configurations of space, time, and gender* (Stanford, Calif.: Stanford University Press, 1996.)
- Zhu, Jianfei. *Architecture of Modern China: A Historical Critique* (London and New York: Routledge, 2008.)
- Zhu, Jieming. *The Transition of China's Urban Development: From Planned-Controlled to Market-Led* (Westport: Greenwood Publishing Group, 1999.)



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2014 A6012 Global Metropolis **Group Assignment** Presentations 05/09
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Each group is to use their city as a narrative and projective case study that defines the Global Metropolis. The specific deliverables are that each student is to produce a written essay of 1500-3000 words defining Global Metropolis. If so desired these narratives may have an accompanying image narrative. This document is to be uploaded to Courseworks by 12:00 May ???. On May ??? each group is to incorporate each individuated definition into an overall graphic presentation of approximately 45 minutes.

Any attempt to define value in a transitional condition necessitates measuring potentially conflictive conditions. Variables occur in terms of time, governmental structure, legal regulations, ownership, zoning, density, transportation systems, ecological and energy based infrastructures as well as opportunity and acquisition methods. Networks are defined and discussed in "Network Fever," critiqued and redefined in "Heterarchy: the Organization of Dissonance," while dualities of self-interest and competition are addressed in "Market Socialism" and in Brazilian policies to reduce poverty inequality.

The work of this seminar asks that teams become intimate with their chosen site. Knowing a place is a different kind of knowledge than simply measuring it, but measuring that place is integral to knowing it. This is an a-conceptual project that asks for the intuitive, responsive, or observed as a design operation. These fragmented conditions are organized not only to serve analysis, but also maneuver as a technique or the means to align, test and discover the opportunities of cities explored. Vyjayanthi Rao has pointed out that the self-organization systems of slums have an incredible degree of order. This informal leads to individual sovereignty but she also points out that this inherent order, an informal zoning, saves lives and promotes growth. Are there heterotopias capable of protecting and providing through the parameters of planning and development? If so, is understanding or learning the rules enough? What are the implicit and explicit rules of the city? This seminar understands the constraints and requirements of explaining network conditions as a process of listing and formally assigning the actions (expansion, contraction, proliferation, etc.) of these networks as a first step in learning the rules of a place. However, like any information, the opportunities are in the potential to exploit the relationships.

The graphic conventions of this exploration are paramount. GIS mapping and other information-based visual processes are nascent in their ability to explain, define or communicate the intuitive knowledge that each city imparts. Each group is to take on this opportunity to not only communicate research but to make a contribution to the evolution and study of how design research and thinking is communicated.