

## HISTORY & CRITICAL THINKING READING LIST 2011/12 CRITICAL FABRICATIONS

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This reading list has been given to the library by the course tutor. Please note that the library holds as many items as possible from this list, however if any items are not held in the library's collection, these may be requested via Inter-library loan at the issue desk.

Some items may be shared with other programmes or located in other parts of the library. For location details please consult the online library catalogue.

### Session 1 Fabrication as Form

- Walter Gropius, *The Architect Within Our Industrial Society*, in *Scope of Total Architecture* (London: George Allen & Unwin LTD, 1956), pp. 82- 93.
- Eugène Emmanuel Viollet-Le-Duc, *Discourses on Architecture*, vol. I, trans. Benjamin Bucknall (London: Sampson Low, 1877); First Discourse, pp. 3- 25
- Werner Graeff, *The New engineer is coming*, in Ulrich Conrads, *Programs and Manifestoes on 20th-Century Architecture* (Cambridge: The MIT Press, 1971), p. 71
- Sigfried Giedion, *Building in France, Building in Iron, Building in Ferro-Concrete*, trans. J. Duncan Berry (Santa Monica: The Getty Center for the History of Art and the Humanities, 1995), pp. 85- 100
- Bernard Cache, *Earth Moves: The furnishing of Territories* (Cambridge Mass.: MIT Press, 1995); Chapter 8, Subjectile/Objectile, pp. 88- 98.

### Session 2 A genealogy of component design in architecture

- René Descartes, *Second Meditation: Of the Nature of the Human Mind; and that it is Easier to Know than the Body* (1641), in René Descartes, *Discourse on the Method and the Meditations*, trans. F. E. Sutcliffe (London: Harmondsworth-Penguin Books, 1968), pp. 102- 112
- Konrad Wachsmann, *The turning point of building: structure and design* (New York: Reinhold Publishing Corporation, 1961), pp. 49- 53 (The influence of industrialization); pp. 76- 88 (Joints and Connections)
- R. Buckminster Fuller, *Universal Architecture*, in Ulrich Conrads, *Programs and Manifestoes on 20th-Century Architecture* (Cambridge: The MIT Press, 1971), pp. 128- 136.
- Buckminster Fuller, *Synergetics: explorations in the geometry of thinking* (New York: Macmillan, 1982); Conceptuality: Knot, pp. 229- 232.

- Paul Virilio, *An Unpretentious Designer*, in: *Jean Prouvé* (Turin : Galerie Jousse Seguin- Galerie Enrico Navarra, 1998), p. 28.

### **Session 3 Contemporary modes of production and the question of Fabrication**

- Konrad Wachsmann, *The turning point of building: structure and design* (New York: Reinhold Publishing Corporation, 1961), pp. 92- 104
- Branko Kolarevic, *Architecture in the Digital Age: Design and Manufacture* (New York: Spon Press, 2003).
- William Mitchell, *Footloose Fabrication. In: Me++: the cyborg self and the networked city* (Cambridge, Mass.: The MIT Press, 2003), p. 131- 143
- Lisa Iwamoto, *Digital Fabrications: Architectural and Material techniques* (Princeton: Princeton Architectural Press, 2009).
- Barkow- Leibinger, *Atlas of Fabrication* (London: AA Publications, 2009), first page in blue.