

## FUNCTIONAL EXPRESSION: NATURE, TECH, PERFORM

### Required Readings:

Michl, J. "Form Follows WHAT? The Modernist notion of function as a carte blanche," 1:50 - Magazine of the Faculty of Architecture & Town Planning [Technion, Haifa] (1995)

van Eck, C. "The Character of Organicism," and "From Purposive Unity to Functionality," Organicism in nineteenth-century architecture: inquiry into its theoretical and philosophical background (1994) pp.18-28, 268-278.

Guillen, M. "Enduring Promise of Modernist Architecture," The Taylorized Beauty of the Mechanical (2006) pp.137-147

Grobman, Y. & E. Neuman, eds. Performatism: Form & Performance in Digital Architecture (2012) pp.3-7, 9-13, 15-19, skim 21-52.

Weinstock, M. "Emergence in Architecture," and "Morphogenesis and the Mathematics of Emergence," in Emergence: Morphogenetic Design Strategies AD Profile (2004).

### Other Readings:

Hensel, M. Performance-Oriented Architecture (2013)

Kolarevic, B. Performative Architecture (2005)

Weinstock, M. The Architecture of Emergence: The Evolution of Form in Nature and Civilisation (2010)

Adorno, T. "Functionalism Today," in Rethinking Architecture: A Reader in Cultural Theory ed. N. Leach (1997) pp.5-19

Heidegger, M. "The Question Concerning Technology" (1954) in The Question Concerning Technology... ed. W. Lovitt (1977) pp.3-35

Hill, Richard "Purpose, Function, Use", in Designs and their Consequences: Architecture & Aesthetics (1999) pp.175-210. See also ch.5. "Meaning," and Ch.6 "Expression"

Forty, A. "Function" in Words & Buildings: A Vocabulary for Modern Architecture (2000) pp.174-195.

Steadman, P. The Evolution of Designs: Biological Analogy in Architecture & Applied Arts (1979) pp.1-22, 225-245.

Hersey, G. Monumental Impulse. Architecture's Biological Roots (2001)

Kronenburg, R. "Technology, Architecture and Meaning," part 1 in The Spirit of the Machine. Technology as Inspiration... (2001) pp.9-42

Lynn, G. "Forms of Expression: The Proto-Functional Potential of Diagrams in Arch'l Design," (1995) in Folds, Bodies & Blobs (1998) pp.223-232.

Wigley, M. "Introduction," White Walls Designer Dresses (1995) pp.xiv-xxvi; also read quickly "Whiteout," pp. 301-362.

Gartman, D. "Intro.: Problem Aesthetics of Fordism," in From Autos to Architecture (2009) pp.10-23; and skim rest of file on Blackboard....

Behne, A. Der moderne Zweckbau (1923) = Modern Functional Building, ed. R.H. Bletter (1996)

Banham, R. "Conclusion: Functionalism and Technology," in Theory and Design in the First machine Age (1960) pp.320-330

Collins, P. "Functionalism," in Changing Ideals in Modern Architecture (1965), pp.149-182 (includes section on: Biological Analogy; Mechanical Analogy; Gastronomic Analogy; Linguistic Analogy)

Pallasmaa, J. "Alvar Aalto: Toward a Synthetic Functionalism," in Alvar Aalto: Between Humanism & Materialism, ed. P. Reed (1998) pp. 21-39.

Bell, J. & E. Stathaki, "Introduction," to The New Modern House. Redefining Functionalism (2010) pp.6-22

