2010 READING LIST: DRL Andrasek – Proto_design

WEEK 1: PROTO-FABRICS: form-finding/parametric design
_Sagrada Familia, Barcelona: Antonio Gaudi+Mark Burry
_Gaudi Unseen, Mark Burry
_Frei Otto
_Lars Spuybroek/EmTech
_Lars Spuybroek, NOX: Machining Architecture, London, Thames and Hudson
_Hensel et al., ”Performance in Morpho-Ecological Design” in AD Versatility and Vicissitude, (Wiley Press, London)

WEEK 2: PROTO-STRUCTURAL MORPHOLOGIES _part 1: form-finding/parametric design /minimal_modular_serial
_David Georges Emmerich / tensegrity structure
David Georges Emmerich / Collection Frac centre by HYX Publisher / http://www.editions-hyx.com/site/web/uk/library/frac/frac1.html
_Robert Le Ricolais
_R. Buckminster Fuller
_Eladio Dieste

WEEK 3: PROTO-STRUCTURAL MORPHOLOGIES _part 2: form-finding/parametric design /search space/optimization
_Cecil Balmond
Cecil Balmond, Informal, Cecil Balmond and Januzzi Smith, Christian Brensing (ed.), (Munich, 2002),
WEEK 4: PROTO-INTELLIGENCE/behavior/life

Nicholas Negroponte, 'Soft Architecture Machines', MIT Press 1975 xd
Mitchel Resnick
Marvin Minsky

WEEK 5: PROTO-WORLDS/ecologies/languages/systems:

Liebeskind’s Micromegas
Francois Roche’s narratives

Philip Beesley Architects
FORM, Greg Lynn
Greg Lynn, Intricacy
Greg Lynn, Animate Form, 1999
Jese Reiser: Atlas Of Novel Techtonics
FOA: Phylogenesis

WEEK 6: PROTO-PRODUCTION/FABRICATION _ part01

Objectile, Bernard Cache
Gilles Deleuze, The Fold
Bernard Cache, Earth Moves
DECOI Architects
DECOI, by HYX Publisher
Smart Geometry Group
EmTech
Gramazio Kohler

WEEK 7: PROTO-PRODUCTION/FABRICATION _ part02

Shop
Barkow Leibinger
WEEK 8: PROTO-COL/ CODE/ proto-design ecologies

EZCT


Architectural Principles in the Age of Cybernetics, Christopher Hight

the very many/Marc Fornes

Matsys/Andrew Kudless

Michael Silver

Michael Silver, The Most Important Airplane in the History of Architecture (handout)

Peter Testa

Aranda Lasch

Pamphlet Architecture 27, Tooling

Daniel Shiffman

Kokkugia

BIOTHING

Biothing, by HYX Publishers, 2009