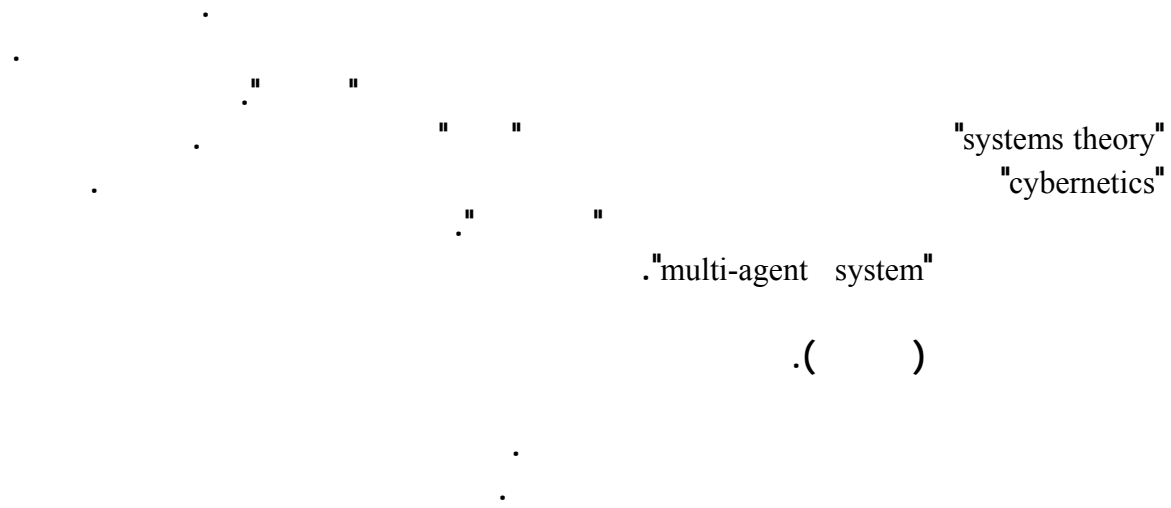


Full Reference:

Heylighen F., P. Cilliers, & C. Gershenson (2007): "Complexity and Philosophy", in: Jan Bogg and Robert Geyer (editors), Complexity, Science and Society, (Radcliffe Publishing, Oxford)



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:(reductionism) (analysis)

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:(materialistic)

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(epiphenomena)

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reflection-) ( ) (1990) (correspondence

distinction ) " " (1990) (conservation

((1990) ( ) : ( ) : (1984) ( )

العقلانية والحدائثة

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 .(1997 )  
 (1998 2005 )

*الكلية والانشاق*

(process philosophers)  
 (holism) " " (Smuts (1926))  
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النظرية العامة للمنظومات

(1973).

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(supersystem) "

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(subsystems) "

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(isomorphisms) "

(hierarchy) "

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.(1974 ) ( )

.(Autonomy)

: (loop) .(2001 1964 )

(negative feedback)

( 1964 )

(adaptive)

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.(epistemology)

2001 )

.(1992

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) (second-order cybernetics) "

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(1979 )

(1991 )



.(heterarchy)" "

.(1998 )

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.(1990 ) (edge of chaos) " ( )

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المنظومات متعددة الفاعلين

":  
(1996)

(complex adaptive systems)"

(" " " ")

.(1984

:(locality)

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" (1995) " (autocatalysis) (butterfly effect) (chaos)

*التحول الخلاق*

" " (self-organization) (1995) 2002 (1996) " "

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(process philosophy)

(1998 )

(2000) " " (2003 )  
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(1992)

(1980 )

(1950)

(47-1998:37)

meta-) " " (xxiv:1998)

(narrative

(1988:119

(Paralogy) "

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(1988)

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140-112 1998

1987)

(1995

(rhizome) "

(1999

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(1992 )

بنية المنظومات المعقدة

(poststructural)

(2005).

حدود الفعل وحدود المنظومة

" (autopoiesis) "

(2001).

مشكلة الاختلاف

فكرة الذات

(2000).

التعقد والأخلاق

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(1990 2000 )  
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*التعقد والنسبية*

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*بعض الاتجاهات الجارية*

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