

Chronology of interactions -- Deacon and Juarrero

1981 – Juarrero publishes first of numerous papers on Agency...

1985 -- Juarrero publishes "Self-Organization: in Kant's Concept of Teleology and Modern Chemistry" (Review of Metaphysics)

1996 -- Stuart Kauffman publishes *At Home in the Universe* -- Kant's ideas re teleology and self-organization are mentioned -- no citation of Juarrero

1997 –Deacon publishes *Symbolic Species*. The words causality, constraint, top-down, self-organization, complexity... DO NOT appear in the index.

1998—Juarrero publishes "Causality as Constraint"

1999 – Juarrero publishes *Dynamics in Action...* on causality as constraint in purposive behavior

2001 -- Evan Thompson & Francisco Varela publish "Radical embodiment: neural dynamics and Consciousness" -- Juarrero *Dynamics in Action* cited in bibliography

2003 -- Alva Noe (UCB Philosophy) includes *Dynamics in Action* in readings for Consciousness and Life course (PHL 290-2)

2003 -- At a conference at ESALEN, Lissack hands Deacon a copy of *Dynamics in Action* and engages in lengthy discussion on the book with Kauffman & Evan Thompson also present.

2004-- Juarrero speaks at Alva Noe hosted special session on *Dynamics in Action* (APA Pasadena).

2006 – Deacon publishes "Reciprocal Linkage between Self-organizing Processes is Sufficient for Self-reproduction and Evolvability" – it includes the Kant teleology material and discusses role of constraint but... words cause, causality do not

2007-- Evan Thompson publishes *Mind in Life* -- numerous citations of Juarrero

2007 – **Juarrero, Deacon, Ellis, & Murphy speak at STARS Conference in Cancun.** Deacon, George Ellis, & Nancy Murphy are close colleagues (through association with Templeton Foundation and IRAS (Institute for Religion in an Age of Science)).

2008 – George Ellis publishes "Downward Causation" – Juarrero is cited on role of constraints in downward causation – Deacon 1997 is cited for *Symbolic Species* work on language and symbols, but no mention of Deacon on anything on constraint or causality

2008 – Mark Graves (a student of Deacon's) publishes *Mind, Brain and the Elusive Soul* with numerous citations of Juarrero. [Note given their relationship it is likely that Deacon made use of Graves' material while writing *Incomplete Nature*]

2009 – Juarrero publishes "Top-Down Causation and Autonomy in Complex Systems" in *Downward Causation and the Neurobiology of Free Will*, ed by George F.R. Ellis, Nancy Murphy and Timothy O'Connor (Berlin: Springer **Verlag**, 2009) 83-102. (Thompson included in that anthology – Deacon is not)

2009 – N Murphy & W Brown publish *Did My Neurons make me Do It?* – in preface (pvii) editors thank Alicia Juarrero for "downward causation and complex dynamical systems" and Terry Deacon for "emergence and language." – this book has extensive explanations of Juarrero's position...which is explicitly compared to Deacon's, who is referenced only in connection to symbolic language

2010 – Juarrero publishes "Intentions as Top-Down Attractors" --

2010 -- Stuart Kauffman publishes *Reinventing the Sacred* -- mentions Juarrero in footnote to Chapter 15. Juarrero not included in the Index.

2011 – Deacon, Haag & Ogilvy publish "The Emergence of Self" – paper is on Deacon's Berkeley website

2011 – Deacon & Cashman publish "Eliminativism, Complexity & Emergence"