

Special Comment

90 Jahre Heinz von Foerster: Ein interdisziplinärer Tanz

Karl H. Müller

Heinz von Foerster ist weltweit einer der bekanntesten Erkenntnistheoretiker und gilt als Mitbegründer des radikalen Konstruktivismus. Neben vielen anderen Bereichen ist sein Name auch im Bereich Management sehr bekannt, was wohl daran liegt, dass Heinz von Foerster sich immer wieder auf die Suche nach allgemeinen Mustern macht, die für viele Disziplinen anwendbar sind. Anlässlich seines 90. Geburtstages fand im Institut für systemisches Coaching und Training ein Heinz von Foerster-Abend statt, an dem Karl H. Müller, Mitbegründer des Heinz von Foerster Archivs und Präsident der Heinz von Foerster-Gesellschaft, einen biografischen Bogen über ein ungewöhnliches Leben und eine ungewöhnliche Karriere spannte.

Karl H. Müller ist seit Herbst 2007 Leiter von ITC's Research. Er leitet ein interdisziplinäres Zentrum für Innovationen und Organisationsentwicklung innerhalb der Sozialwissenschaften. Das Research Center arbeitet eng mit der ITC zusammen. Wissenschaftler in der ITC werden dafür bezahlt, an interdisziplinären Projekten von der Grundlagenforschung im Bereich von Coaching, Organisationsentwicklung und Organisationsentwicklung teilzunehmen.

Heinz von Foerster, 1911 geboren, wächst in einem Wiener großbürgerlichen (Bain- und Familienkreis) auf. Väterlicherseits bringt die Familie vor allem Architektur und Technik hervor. Der Urgroßvater ist an der Konzeption der Ringstraßenarchitektur beteiligt, der Großvater ist ebenfalls Architekt und Foerstens Vater ist Elektro- und Optikingenieur. Die mütterliche Seite weist ein künstlerisches Ambiente: Seine Mutter ist Künstlerin und wie dem Wiener Verhältnisse-Ärgernisse verbunden.

Da das Wiener Großbürgertum damals – wie heute – sehr dürftig angelegt ist und sich viele Intellektuelle, Wissenschaftler und Künstler gut kennen, finden sich im engen Umfeld der Familie Foerster z.B. Hugo von Hofmannsthal oder Ludwig Wittgenstein. Wittgenstein ist zwar nicht verwandt mit der Familie Foerster, wird von Heinz von Foerster aber – gemäß dem damaligen Sprachgebrauch – Onkel Ludwig genannt.

Alles ist hier und jetzt

Heinz von Foerster wächst nahezu verloren auf, da der Vater 1914 in den Krieg eingezogen wird und fast 3 Jahre in Kriegsgefangenschaft verbringt. Für ihn wird die Großmutter, Maria Lang, sehr wichtig. Er wächst im Haus einer Großmutter und mit seiner mütterlichen Familie auf.

"Meine Großmutter war eine außerordentliche Frau, eine der ersten Frauenrechtlerinnen – eine frühe Feministin,

wenn man so will. Sie gab mit anderen die "Dokumente der Frau" heraus und führte einen Salon, in dem sich Gleichgesinnte trafen. Sie hatte mit ihren Bräutern einen großen Einfluss auf mich als Kind. Sie verlor einen Gegenstand, der brach an einem Spinnrad, da wohnt, hat noch."

Meine Großmutter: „A, warum weinst Du denn?"

Heinz: „Ich habe ich diesen kleinen Peter kaputt gemacht, die Räder sind abgebrochen."

Heinz zu, imitierte mich dann meine Großmutter: „alles ist jetzt und hier – du denkst, da war einmal ein Pferd mit einem Reiter. Aber das Pferd ist jetzt und hier, es ist jetzt da – da ist nichts-Gewisses. Dieses "alles ist jetzt und hier", das war für mich wie ein Mantra."

Dieser Spruch "alles ist jetzt und hier", "man ist immer in der Gegenwart", behält bei Heinz von Foerster immer wieder, wird – hier und jetzt – ein sehr wichtiger Baustein für ihn.

Magie, Philosophie und die Berge

Nach während der Schulzeit, mit ungefähr 14 Jahren, beginnen sich Heinz von Foerster und sein Cousin, Martin Lang, für Zauberei und Magie zu interessieren. Sie führen Zauberkunststücke vor und beginnen, sich immer stärker in diesen Bereich einzuklinken. Mit 15 Jahren gründen sie dann eine eigene Gruppe und sind in Wien auf dem Gebiet der Zauberei und

Heinz Von Foerster 90

Markus Schwaninger



Heinz Von Foerster 90:

New Horizons For Second-order Cybernetics Alexander Riegler, Karl H Muller, Stuart A Umpleby, 2017-09-15 In almost 60 articles this book reviews the current state of second order cybernetics and investigates which new research methods second order cybernetics can offer to tackle wicked problems in science and in society The contributions explore its application to both scientific fields such as mathematics psychology and consciousness research and non scientific ones such as design theory and theater science The book uses a pluralistic multifaceted approach to discuss these applications Each main article is accompanied by several commentaries and author responses which together allow the reader to discover further perspectives than in the original article alone This procedure shows that second order cybernetics is already on its way to becoming an idea shared by many researchers in a variety of disciplines **Emergence and Embodiment** Bruce

Clarke, Mark B. N. Hansen, 2009-10-30 Explores the cultural legacy of cybernetics and neocybernetics the cybernetics of cybernetics that offers new insight on the role of the human in an era of the posthuman Realism - Relativism - Constructivism Christian Kanzian, Sebastian Kletzl, Josef Mitterer, Katharina Neges, 2017-06-12 The book presents papers from leading proponents of realist relativist and constructivist positions in epistemology and the philosophy of language and ethics

Gaian Systems Bruce Clarke, 2020-09-29 A groundbreaking look at Gaia theory s intersections with neocybernetic systems theory Often seen as an outlier in science Gaia has run a long and varied course since its formulation in the 1970s by atmospheric chemist James Lovelock and microbiologist Lynn Margulis Gaian Systems is a pioneering exploration of the dynamic and complex evolution of Gaia s many variants with special attention to Margulis s foundational role in these developments Bruce Clarke assesses the different dialects of systems theory brought to bear on Gaia discourse Focusing in particular on Margulis s work including multiple pieces of her unpublished Gaia correspondence he shows how her research and that of Lovelock was concurrent and conceptually parallel with the new discourse of self referential systems that emerged within neocybernetic systems theory The recent Gaia writings of Donna Haraway Isabelle Stengers and Bruno Latour contest its cybernetic status Clarke engages Latour on the issue of Gaia s systems description and extends his own systems theoretical synthesis under what he terms metabiotic Gaia This study illuminates current issues in neighboring theoretical conversations from biopolitics and the immunitary paradigm to NASA astrobiology and the Anthropocene Along the way he points to science fiction as a vehicle of Gaian thought Delving into many issues not previously treated in accounts of Gaia Gaian Systems describes the history of a theory that has the potential to help us survive an environmental crisis of our own making *Sensing and Making Sense* Grazielle Lautenschlaeger, 2020-12-07 Through a genealogy of photosensitive elements in media devices and artworks this book investigates three dichotomies that impoverish debates and proposals in media art material immaterial organic machinic and theory practice It combines historical and analytical approaches through new materialism media archaeology cultural techniques and second order cybernetics Known media stories are reframed

from an alternative perspective elucidating photosensitivity as a metonymy to provide guidelines to art students artists curators and theoreticians especially those who are committed to critical views of scientific and technological knowledge in aesthetic experimentations **The Creation of Reality** Bernhard Poerksen,2013-07-09 Constructivism has been traded as a new paradigm by its advocates and criticised by its opponents as legitimating deceit and lies as justifying a trendy post modern Anything goes In this book Bernhard Poerksen draws up a new rationale for constructivist thinking and charts out directions for the imaginative examination of personal certainties and the certainties of others of ideologies great and small The focus of the debate is on the author s thesis that our understanding of journalism and in particular the education and training of journalists would profit substantially from constructivist insights These insights instigate the claim is an original kind of scepticism they provide the underpinnings of a modern type of didactics oriented by the autonomy of learners and they supply the sustaining arguments for a radical ethic of responsibility in journalism Arguments for Learning Bill Cope,Walter Feinberg,2025-03-11 Almost every educational idea worth a thought has been considered at the University of Illinois and anything worth trying has been tested In this history of ideas Bill Cope and Walter Feinberg chronicle the intellectual lives of education thinkers at the university while tracking the development of educational ideas and practices in general Cope and Feinberg draw on conversations narratives and archival research that reveal how different generations explored their role in defining and carrying out the College s multifaceted mission Their account raises critical questions about the character of learning the aims of teaching and the nature of teaching as a profession At the same time the authors address issues that range from the role of schools in fostering individual and collective identity to the introduction of computer mediated and online learning Cope and Feinberg examine changes in self understanding about fundamental ideas and chart how the College evolved from its original narrow mission of training children s schoolteachers to embracing global perspectives A wide ranging portrait of an institution Arguments for Learning uses the School of Education to tell the stories of thinkers dedicated to the idea that education can change the world for the better *Complexity Management in Engineering Design - a Primer* Maik Maurer,2017-02-21 The treatise supports understanding the phenomena of complexity in engineering distinguishes complexity from other challenges and presents an overview of definitions and applied approaches The historical background of complexity management is explained by highlighting the important epochs their key actors and their discoveries findings and developments Knowing about the appearance of early system awareness in ancient Greece the creation of mechanical philosophy in the 17th century and the discovery of classic physics enables the reader to better comprehend modern system sciences and management approaches A classification of complexity management approaches by research fields indicates current focus areas and starting points for future discussions In a comprehensive map the classification points out mutual overlaps between engineering disciplines in terms of similar complexity management approaches Finally the treatise introduces a generic complexity management framework which is based on structural

management approaches *Code* Bernard Dionysius Geoghegan, 2022-12-09 In *Code* Bernard Dionysius Geoghegan reconstructs how Progressive Era technocracy as well as crises of industrial democracy and colonialism shaped early accounts of cybernetics and digital media by theorists including Norbert Wiener Warren Weaver Margaret Mead Gregory Bateson Claude Lévi Strauss Roman Jakobson Jacques Lacan Roland Barthes and Luce Irigaray His analysis casts light on how media practical research forged common epistemic cause in programs that stretched from 1930s interwar computing at MIT and eugenics to the proliferation of seminars and laboratories in 1960s Paris This mobilization ushered forth new fields of study such as structural anthropology family therapy and literary semiology while forming enduring intellectual affinities between the humanities and informatics With *Code* Geoghegan offers a new history of French theory and the digital humanities as transcontinental and political endeavors linking interwar colonial ethnography in Dutch Bali to French sciences in the throes of Cold War era decolonization and modernization **Intelligent Organizations** Markus Schwaninger, 2008-12-16 This is not a book about how to run a company It is about how to look at the world differently Ultimately this will help the reader to deal with complexity more effectively The market today is flooded with books which claim to show paths to higher organizational effectiveness Most of these recommendations are given as recipes for success and on pragmatic grounds This book however is targeted at all those who want access to the powerful models of systemic management in order to improve their skills in coping with complexity The contents are of interest to people who deal with organizations as leaders and managers or specialists or as advanced students The purpose is to give them conceptual and methodological guidelines by means of which they can Increase the intelligence of existing organizations by introducing or substituting a better design Shape new organizations so that they are intelligent from the very start What are the distinctive features of this book The book is the result of a long term research effort in to the deep seated invariant features of organizations based on the Systems Approach namely Organizational Cybernetics and System Dynamics These sciences have specialized in uncovering such basic properties They convey a fresh sophisticated and unorthodox perspective It is therefore worthwhile acquiring the capability of looking at the social world in this different way **Neocybernetics and Narrative** Bruce Clarke, 2014-09-15 *Neocybernetics and Narrative* opens a new chapter in Bruce Clarke's project of rethinking narrative and media through systems theory Reconceiving interrelations among subjects media significations and the social this study demonstrates second order systems theory's potential to provide fresh insights into the familiar topics of media studies and narrative theory A pioneer of systems narratology Clarke offers readers a synthesis of the neocybernetic theories of cognition formulated by biologists Humberto Maturana and Francisco Varela incubated by cyberneticist Heinz von Foerster and cultivated in Niklas Luhmann's social systems theory From this foundation he interrogates media theory and narrative theory through a critique of information theory in favor of autopoietic conceptions of cognition Clarke's purview includes examinations of novels *Mrs Dalloway* and *Mind of My Mind* movies *Avatar* *Memento* and *Eternal Sunshine of the*

Spotless Mind and even Aramis Bruno Latour's idiosyncratic meditation on a failed plan for an automated subway Clarke declares the era of the cyborg to have ended laid to rest as the ontology of technical objects is brought into differential coordination with operations of living psychic and social systems The second order discourse of cognition destabilizes the usual sense of cognition as conscious awareness revealing the possibility of nonconscious and nonhuman forms of sentience

Coordination Without Hierarchy Donald Chisholm, 1992-09-29 The organizational history of American government during the past 100 years has been written principally in terms of the creation of larger and larger public organizations Beginning with the Progressive movement no matter the goal the reflexive response has been to consolidate and centralize into formal hierarchies That efficiency effectiveness and accountability and the coordination necessary to achieve them are promoted by such reorganizations has become widely accepted Borrowing from social psychology sociology political science and public administration and using the public transit system of the San Francisco Bay area for illustrative purposes Donald Chisholm directly challenges this received wisdom He argues that contrary to contemporary canons of public administration we should actively resist the temptation to consolidate and centralize our public organizations Rather we should carefully match organizational design with observed types and levels of interdependence since organizational systems that on the surface appear to be tightly linked webs of interdependence on closer examination often prove decomposable into relatively simpler subsystems that may be coordinated through decentralized informal organizational arrangements Chisholm finds that informal channels between actors at different organizations prove remarkably effective and durable as instruments of coordination Developed and maintained as needed rather than according to a single preconceived design informal channels along with informal conventions and contracts tend to match interorganization interdependence closely and to facilitate coordination Relying on such measures reduces the cognitive demands and obviates the necessity for broadscale political agreement typical of coordination by centralized formal organizations They also advance other important values that are frequently absent in formally consolidated organizations such as reliability flexibility and the representation of varied interests Coordination Without Hierarchy is an incisive penetrating work whose conclusions apply to a wide range of public organizations at all levels of government It will be of interest to a broad array of social scientists and policymakers In an earlier version Coordination Without Hierarchy received the American Political Science Association 1985 Leonard D White Award for the best doctoral dissertation in the field of public administration including broadly related problems of policy formation and administrative theory

The Power of Paradox: Impossible Conversations Markus Locker, 2019-05-07 This book argues that all truths systems include paradoxes Paradoxes such as found in the sciences philosophy and religion offer themselves as mutually shared partners in a dialogue of arguably incommensurable truths on the basis of their underlying truth Paradoxes leap beyond the epistemic border of individual truth claims A dialogue of truths grounded in paradox reaches before and at the same time past singular truths A paradox based dialogue of truths elevates the

communication of disciplines such as the sciences and religion to a meta discourse level from which differences are not perceived as obstacles for dialogue but as complementary aspects of a deeper and fuller truth in which all truths are grounded

The Cybernetics Moment Ronald R. Kline, 2015-07-15 How did cybernetics and information theory arise and how did they come to dominate fields as diverse as engineering biology and the social sciences Winner of the CHOICE Outstanding Academic Title of the Choice ACRL Outstanding Academic Title Choice Cybernetics the science of communication and control as it applies to machines and to humans originates from efforts during World War II to build automatic antiaircraft systems Following the war this science extended beyond military needs to examine all systems that rely on information and feedback from the level of the cell to that of society In *The Cybernetics Moment* Ronald R Kline a senior historian of technology examines the intellectual and cultural history of cybernetics and information theory whose language of information feedback and control transformed the idiom of the sciences hastened the development of information technologies and laid the conceptual foundation for what we now call the Information Age Kline argues that for about twenty years after 1950 the growth of cybernetics and information theory and ever more powerful computers produced a utopian information narrative an enthusiasm for information science that influenced natural scientists social scientists engineers humanists policymakers public intellectuals and journalists all of whom struggled to come to grips with new relationships between humans and intelligent machines Kline traces the relationship between the invention of computers and communication systems and the rise decline and transformation of cybernetics by analyzing the lives and work of such notables as Norbert Wiener Claude Shannon Warren McCulloch Margaret Mead Gregory Bateson and Herbert Simon Ultimately he reveals the crucial role played by the cybernetics moment when cybernetics and information theory were seen as universal sciences in setting the stage for our current preoccupation with information technologies

Google Me Barbara Cassin, 2017-10-03 Google is a champion of cultural democracy but without culture and without democracy In this witty and polemical critique the philosopher Barbara Cassin takes aim at Google and our culture of big data Enlisting her formidable knowledge of the rhetorical tradition Cassin demolishes the Google myth of a good tech company and its democracy of clicks laying bare the philosophical poverty and political naiveté that underwrites its founding slogans Organize the world's information and Don't be evil For Cassin this conjunction of globalizing knowledge and moral imperative is frighteningly similar to the way American demagogues justify their own universalizing mission before the world While sensitive to the possibilities of technology and to Google's playful appeal Cassin shows what is lost when a narrow worship of information becomes dogma such that research comes to mean data mining and other languages become provincial flavors folded into an impoverished Globish or global English

Landscapes of Fear Yi-Fu Tuan, 2013-01-02 To be human is to experience fear but what is it exactly that makes us fearful Here is one geographer's striking exploration of our landscapes of fear as they change throughout our lives and have changed throughout history Yi fu Tuan investigates landscapes of the

natural environment which are threatening and landscapes filled with the dark imageries of the mind fears of drought flood famine and disease shared by all members of a community and fears of the particular ghosts which haunt the individual imagination In this lucidly written ground breaking survey Professor Tuan delves into many cultures and reaches back into our prehistory to discover what is universal and what is particular in our inheritance of fear Starting with fear in animals he raises and explores a variety of questions What is specifically human about fear Is there or has there ever been a fearless society Professor Tuan examines the most specific forms fear takes in the mind of the child among hunters and agriculturists inside the walls of a medieval Chinese city among Navaho Indians and American immigrants He explores the ways in which authorities create landscapes of terror to instill fear in their own populations and he probes that most basic of all contradictions between the need for human security and the fear of human nature Professor Tuan particularly emphasizes how in coping with fears of enemies strangers the insane wolves wind witches mountains dragons rain or the terror that the universe itself might crumble humans respond adventurously by creating shelters ranging from fairy tales to cosmological myths We watch as human beings continually draw and redraw their circles of safety never feeling entirely at peace within them

Institutional Constructivism in Social Sciences and Law Dora Kostakopoulou, 2018-10-04 This book proposes a new institutional constructivist model for social scientific and legal enquiries based on the interrelations within the social and political world and the application of change in EU laws and politics Much of the research conducted in social sciences and law examines the diverse activities of individuals and collectivities and the role of institutions in the social and political world Although there exist many vantage points from which one can gain entry into understanding how agents in the world act interact shape and bear the world socio legal scientific epistemology has found monism and dualism to be convincing models This book argues that current models do not capture the complexity of our micro worlds macro worlds and meso worlds Nor can they account for the forms and patterns of socio legal change Mind time and change are brought together in an attempt to contribute to socio legal epistemology and to enhance its toolkit

Pulse Robert Frenay, 2025-08-22 Pulse is not about dance music not about heart rates and not about electromagnetic fields What it does describe is a sea change in human affairs a vast and fundamental shift that is about to transform every aspect of our lives Written in lively prose for lay readers Pulse shows how ideas that have shaped Western science industry and culture for centuries are being displaced by the rapid and dramatic rise of a new biology by human systems and machines that work like living things In Pulse Robert Frenay details the coming world of emotional computers ships that swim like fish hard soft and wet artificial life money that mimics the energy flows in nature evolution at warp speed And these are not blue sky dreams By using hundreds of vivid and concrete examples of cutting edge work Frenay showcases the brilliant innovations and often colorful personalities now giving birth to a radical new future Along the way he also offers thoughtful conclusions on the promises and dangers of our transformation to the next great phase of human cultural evolution

Strategic Value Chain Management Qeis

Kamran,2020-11-03 A supply chain is the process of all parties involved in fulfilling a customer request while a value chain is a set of interrelated activities a company uses to create value and a competitive advantage In Strategic Value Chain Management the authors bring together a variety of disciplines showing how to move from traditional supply chain management to value chain management Research from the ISM International School of Management Germany originating from a network of companies in a range of sectors is integrated with case studies to demonstrate particular concepts Strategic Value Chain Management brings together theory and practice and presents tangible ways of creating competitiveness in a changing world through the use of effective models and frameworks Challenging the traditional Porters Five Forces Model the authors introduce the important academic disciplines of cybernetics and systems sciences as essential drivers of strategy within the supply chain supported by case studies illustrating their implementation *Shifting Practices* Giovan Francesco Lanzara,2016-03-18 How disruptions and discontinuities caused by the introduction of new technologies often reveal aspects of practice not previously observed What happens in an established practice or work setting when a novel artifact or tool for doing work changes the familiar work routines Any unexpected event or change or technological innovation creates a discontinuity organizations and individuals must reframe taken for granted assumptions and practices and reposition themselves To study innovation as a phenomenon then we must search for situations of discontinuity and rupture and explore them in depth In *Shifting Practices* Giovan Francesco Lanzara does just that and discovers that disruptions and discontinuities caused by the introduction of new technologies often reveal aspects of practice not previously observed After discussing methodological and research issues Lanzara presents two in depth studies focusing on processes of design and innovation in two different practice settings music education and criminal justice In the first he works with the music department of a major American university to develop Music LOGO a computer system that allows students to explore musical structures with simple composition like exercises and experiments In the second he works with the Italian court system in the design and use of video technology for criminal trials In both cases drawing on anecdotes and examples as well as theory and analysis he traces the new systems from design through implementation and adoption Finally Lanzara considers the researcher s role and the relationship encompassing empathy vulnerability and temporality between the reflective researcher and actors in the practice setting

Heinz Von Foerster 90 Book Review: Unveiling the Power of Words

In a world driven by information and connectivity, the power of words has become more evident than ever. They have the capability to inspire, provoke, and ignite change. Such is the essence of the book **Heinz Von Foerster 90**, a literary masterpiece that delves deep in to the significance of words and their affect our lives. Written by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we shall explore the book is key themes, examine its writing style, and analyze its overall effect on readers.

<http://www.pet-memorial-markers.com/About/browse/index.jsp/Happy%20Easter%20Baby.pdf>

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Heinz Von Foerster 90 Introduction

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