



Origins of Human Communication

MICHAEL TOMASELLO

Origins Of Human Communication Jean Nicod Lectures

Michael D. Breed



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Origins of Human Communication Michael Tomasello, 2010-08-13 A leading expert on evolution and communication presents an empirically based theory of the evolutionary origins of human communication that challenges the dominant Chomskian view Human communication is grounded in fundamentally cooperative even shared intentions In this original and provocative account of the evolutionary origins of human communication Michael Tomasello connects the fundamentally cooperative structure of human communication initially discovered by Paul Grice to the especially cooperative structure of human as opposed to other primate social interaction Tomasello argues that human cooperative communication rests on a psychological infrastructure of shared intentionality joint attention common ground evolved originally for collaboration and culture more generally The basic motives of the infrastructure are helping and sharing humans communicate to request help inform others of things helpfully and share attitudes as a way of bonding within the cultural group These cooperative motives each created different functional pressures for conventionalizing grammatical constructions Requesting help in the immediate you and me and here and now for example required very little grammar but informing and sharing required increasingly complex grammatical devices Drawing on empirical research into gestural and vocal communication by great apes and human infants much of it conducted by his own research team Tomasello argues further that humans cooperative communication emerged first in the natural gestures of pointing and pantomiming Conventional communication first gestural and then vocal evolved only after humans already possessed these natural gestures and their shared intentionality infrastructure along with skills of cultural learning for creating and passing along jointly understood communicative conventions Challenging the Chomskian view that linguistic knowledge is innate Tomasello proposes instead that the most fundamental aspects of uniquely human communication are biological adaptations for cooperative social interaction in general and that the purely linguistic dimensions of human communication are cultural conventions and constructions created by and passed along within particular cultural groups

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Tomasello, 2010-08-13 A leading expert on evolution and communication presents an empirically based theory of the evolutionary origins of human communication that challenges the dominant Chomskian view Human communication is grounded in fundamentally cooperative even shared intentions In this original and provocative account of the evolutionary origins of human communication Michael Tomasello connects the fundamentally cooperative structure of human communication initially discovered by Paul Grice to the especially cooperative structure of human as opposed to other primate social interaction Tomasello argues that human cooperative communication rests on a psychological infrastructure of shared intentionality joint attention common ground evolved originally for collaboration and culture more generally The basic motives of the infrastructure are helping and sharing humans communicate to request help inform others of things helpfully and share attitudes as a way of bonding within the cultural group These cooperative motives each created different

functional pressures for conventionalizing grammatical constructions Requesting help in the immediate you and me and here and now for example required very little grammar but informing and sharing required increasingly complex grammatical devices Drawing on empirical research into gestural and vocal communication by great apes and human infants much of it conducted by his own research team Tomasello argues further that humans cooperative communication emerged first in the natural gestures of pointing and pantomiming Conventional communication first gestural and then vocal evolved only after humans already possessed these natural gestures and their shared intentionality infrastructure along with skills of cultural learning for creating and passing along jointly understood communicative conventions Challenging the Chomskian view that linguistic knowledge is innate Tomasello proposes instead that the most fundamental aspects of uniquely human communication are biological adaptations for cooperative social interaction in general and that the purely linguistic dimensions of human communication are cultural conventions and constructions created by and passed along within particular cultural groups

Human Communication Maria D. Sera, Melissa Koenig, 2021-03-30 Cutting edge scholarship on the origins and functions of human communication In Volume 40 of Human Communication Origins Mechanism and Functions a distinguished team of editors delivers the latest scholarship to researchers students and practitioners interested in and working in the field of human communication This vital resource explores the phylogenetic and ontogenetic origins as well as the functions of human communication It will earn a place in the libraries of developmental psychologists researchers and professionals dealing with speech as well as a wide range of other academics and practitioners in language related fields

Foundations of Musical Grammar Lawrence M. Zbikowski, 2017-08-24 Foundations of Musical Grammar makes a unique contribution to music theory by building on recent research in cognitive science and theoretical perspectives adopted from cognitive linguistics to present an account of the foundations of musical grammar In presenting this account it engages with music and the emotions gesture and social dance

Design and the Creation of Social Value Doctor Gjoko Muratovski, Craig Vogel, 2019-05-22 Just as the term design has been going through change growth and expansion of meaning and interpretation in practice and education the same can be said for design research The traditional boundaries of design are dissolving and connections are being established with other fields at an exponential rate Based on the proceedings from the IASDR 2017 Conference Re Research is an edited collection that showcases a curated selection of 83 papers just over half of the works presented at the conference With topics ranging from the introduction of design in the primary education sector to designing information for Artificial Intelligence systems this book collection demonstrates the diverse perspectives of design and design research Divided into seven thematic volumes this collection maps out where the field of design research is now Understanding Everyday Design Soyoung Kim Kwangmin Cho Chajoong Kim The more society gets complicated and developed the more demand for various products As a result we are living in a flood of various products However considering how people consume and use products in their daily life it is not difficult to find people transforming changing the original

purpose or adding value to existing products instead of buying new ones This phenomenon has been defined as everyday design In a sense that everyday design provides a better understanding of actual uses in real context it deserves to be studied Therefore this paper attempts to figure out an underlying mechanism of everyday design For this a conceptual framework was developed whose focus was on what triggers everyday design what goals are set and how a product is transformed The conceptual framework was validated with a photographic inventory of users everyday design in our daily life The conceptual framework could provide a better understanding of everyday design in a systematic way If it is considered in the product development process it could contribute to an increase of use satisfaction as well as sustainable design The limitations and a further study are discussed at the end of the paper

Social Value Creation through Multidisciplinary Design Education Steven Kyffin Mersha Aftab Nicholas Spencer The paper proposes that design with a multidisciplinary student cohort as active partners can play the role of bringing the four different stakeholder groupings namely government industry society and academia together within the creative consortia and create innovation for the greater good of the society By studying a selection of social innovation projects undertaken by multidisciplinary student teams as connector integrators which engaged with companies government bodies and community groups we have examined a combination of four different activities across different economic and cultural human experience contexts to assess their different degrees of appropriateness in creating future value We apply these methods to establish creative consortia which has enabled us to reframe the context of the problem space We believe that the creative consortia has the potential to create more relevance in the solution space greater engagement in realizing the proposition into the future and a higher opportunity for integration of such future principles into emerging government policy and national innovation agendas

Taking Aim at wicked problems A Practical Philosophy for Educating Designers in the Making of Wise Decisions Paul Emmerson Robert Young Today s design pedagogies lack the characteristics for redressing the nature of the wicked problems they attempt to solve such as sustainability We argue it is not fair for future generations to suffer the systemic effects of our unsustainable consumer culture partly resulting from today s design professionals decisions which ensue because design is an amoral discipline lacking a systemic perspective To rectify design s characteristic failings as part of a PhD study we report a new pedagogical architecture founded as the synthesis of the practices of design and civics forming the relationship design as civics DaC a practical philosophy We position DaC as a reflexive systemic radical political praxis for every citizen possessing the explicit teleological goal to achieve the good life for all DaC takes a transdisciplinary approach It integrates the discoveries of cognitive science and linguistics to expose how we construct our understanding of the world interpreting metaphors and frames which we utilize to aim DaC Alongside shared social practice theory SSP and insights from developmental psychology that reveal the distinctly human capacity of shared intentionality engendering humankind s willingness for cooperation and empathy for fairness That living in a fairer society is desired by people from rival political perspectives with egalitarian

societies reporting lower environmental impact lifestyles and more willingness for transitioning toward sustainment Thus it is humankind s cooperative behavior and aligning values that provides the foundational rationale of DaC s SSP goal to achieve the good life through the ongoing critical examination of its aim of resolving fairness between citizens Developing a Matrix for Designerly Way of Creating Shared Value DCSV Four Examples of CSV via Perspectives of Design Kyulee Kim Today while profit maximization is still the bedrock of the capitalist model people have embraced the idea of social contribution as a useful strategy in businesses In this recent movement Creating Shared Value CSV strives for a win win solution that creates both social and business value While in its early stage CSV is showing promise and potential society is witnessing a paradigm shift from practices of corporate social responsibilities CSR to CSV which is more sustainable and effective approach Since Porter and Kramer originally introduced the concept in 2011 CSV s application has expanded to many areas of business management but it has not been discussed comprehensively in design research as of yet The title of this paper Designerly Way of Creating Shared Value DCSV is inspired by Nigel Cross s famous book Designerly way of knowing 2006 Designerly is an adjective describing how designers think and behave that is different from professionals in scientific disciplines The aim of this paper is to propose a new matrix illustrating the link between creating shared value and design and to systemically describe the existing examples of DCSV The paper will begin with an introduction to the concept of CSV followed by a brief literature review on CSV in design research The second part will focus on demonstrating the new DCSV matrix by illustrating the four examples that exemplify it Design for Social Innovation Digital Technologies and Local Communities Teresa Franqueira Gon alo Gomes Abstract The use and democratization of new digital technologies have given visibility to groups of people and grassroots organizations that can be considered agents of change in the transition to a more sustainable world Design plays an important role in the definition of strategies and in the development of innovative solutions to tackle some of the contemporary problems society faces This paper aims to show several projects developed over the last 5 years in the subject Design for Social Innovation at the Master in Design and the Master in Engineering and Product Design at the University of Aveiro and its relation to the new social media and technologies By using Service Design tools to improve Social Innovations and the integration of new digital technologies we design new and improved solutions to foster sustainable development The creation of a DESIS Lab has also allowed to develop innovative design solutions within local communities The methodology used is based on Learning by Doing with an important and relevant initial phase using ethnographic methods The results are showed as academic projects that can be applied and replicated in different contexts The Extent of Transformation Measuring the Impact of Design in VCS Organizations Laura E Warwick Robert A Young A Design for Service DfS approach has been linked with impacts that significantly alter touchpoints services and organizational culture However there is no model with which to assess the extent to which these impacts can be considered transformational In the absence of such a model the authors have reviewed literature on subjects including the transformational potential of design

characteristics of transformational design transformational change and organizational change From this review six indicators of transformational change in design projects have been identified evidence of nontraditional transformative design objects evidence of a new perspective evidence of a community of advocates evidence of design capability evidence of new power dynamics and evidence of new organizational standards These indicators along with an assessment scale have been used to successfully review the findings from a doctoral study exploring the impact of the DfS approach in Voluntary Community Sector VCS organizations This paper presents this model as a first step to establishing a method to helpfully gauge the extent of transformational impact in design projects Applying Design Thinking for Business Model Innovation for a Nonprofit Organization Case Study Art la Carte Alison Miyauchi Scott Cressman The challenges facing many small nonprofit organizations are increasing at a greater rate than the internal capacities of many within this sector are able to address effectively This situation has small nonprofits questioning their sustainability and ability to deliver their services in the long term Often these small nonprofit organizations are working within a business model and communications paradigm that has remained unchanged for decades and one which is proving no longer effective in attracting awareness engagement and support Many of these organizations are facing a critical failure requiring significant business model innovation to achieve both their short mid and long term goals Design thinking is an avenue for nonprofits to achieve business model innovation by developing new unique concepts supporting an organization s viability and the processes for bringing those concepts to fruition This case study outlines the design thinking process applied to business model innovation for a small 22 year old nonprofit approaching critical business failure Generative Design Research for Sustainability Exemplary Cases for the Adaptation of the EC Guide Tool and the ERM Method Mert Kulaks z It r G ng r Boncuk u Dilruba O ur smail Yavuz Paksoy Senem Turhan a la Do an This paper presents the main process of a graduate course entitled Generative Design Research for Sustainability offered in the Department of Industrial Design at Middle East Technical University in the spring semester of 2015 2016 through exemplary design research cases conducted by the graduate students at the doctoral level These cases focus on the adaptation of the generative tool and the method namely Experience Chart EC Guide tool and Experience Reflection Modelling ERM method in line with the graduate students particular research topics First the paper provides the course objectives outcomes and process then it explains the EC Guide tool and the ERM method to be adapted and implemented within the context of the course Then these generative tool and method and their adaptations are demonstrated through the exemplary cases i e efficient use of working environment in design studios lighting practices in kitchen environment and interactive prototyping practice selected from the submitted assignments considering their quality originality and comprehensiveness The main emphasis of this paper is on the adaptation and implementation of the EC Guide tool and the ERM method through providing the experiences insights and suggestions of the graduate students who are also the co authors of the paper Based on that review major conclusions and findings are presented through comparing and

contrasting these cases for the future development of the course Beyond Greener Things Sustainability within Communication Design Practice Niki Wallace Robert Crocker This paper reviews contemporary communication design practice in Australia through a series of interviews with practitioners conducted to better understand the place of sustainability in contemporary practice It is especially concerned with the expectations and experience of designers and their attitudes toward sustainability in practice and the contrast between designing greener things and establishing more sustainable outcomes for their clients through deeper collaboration The paper is part of a larger PhD project attempting to establish ways of expanding the understanding of sustainability for communication designers Craft and Design for Sustainability Leverage for Change Xiaofang Zhan Stuart Walker Traditional craft has been relegated to the margins in modern culture being perceived as out step with technological economic and societal progress However emergent research is rediscovering the nature of craft and its potential for contributing to design practice in conjunction with developments in science and technology Through the analyses of craft and sustainability strong connections are revealed as well as some incompatibilities The contribution of this paper is to a map a systemic view of craft and b establish a theoretical understanding of the relationship between craft and a holistic understanding of sustainability Drawing on recent research that proposes three areas of leverage for sustainability we argue that craft as a system of making knowing and being has significant potential to contribute actively and tangibly to the transitional conditions thereby serving as an agency for sustainable transformation Nature Inspired Organizational Design Framework for Open Collaboration Platform Development Sojung Kim Joon Sang Baek Over the last two decades for profit and not for profit organizations have increasingly adopted open collaboration such as open innovation and crowdsourcing as a strategy for innovation Information and communication technology ICT has played a major role in forming open collaboration communities but organizational design also needs to be considered to encourage the active participation and collaboration of actors Nonetheless organizational design aspect has seldom been addressed in developing open collaboration platforms In this research an organizational design framework for open collaboration was developed through a nature inspired design approach This framework suggests that the self organization mechanism of social insects provides inspirations for the design of the platform especially in terms of setting simple rules to induce behaviors of the actors and facilitating interactions among them Since the open collaboration strategy depends on external actors who are not in employment relationship an organization cannot force their contribution Accordingly the organization s capability to induce the spontaneous participation of actors is essential and it implies the potential role of designers in platform design based on a thorough understanding of actors We thus claim that designers can bring a new perspective to organizational design Open collaboration platforms serve as an exemplar in which designers contribute to the design of an organizational environment that fosters collaboration

Is the Language Faculty Non Linguistic? Umberto Ansaldo, N. J. Enfield, 2016-08-15 A line of research in cognitive science over several decades has been

dedicated to finding an innate language specific cognitive system a faculty which allows human infants to acquire languages natively without formal instruction and within short periods of time In recent years this search has attracted significant controversy in cognitive science generally and in the language sciences specifically Some maintain that the search has had meaningful results though there are different views as to what the findings are ranging from the view that there is a rich and rather specific set of principles to the idea that the contents of the language faculty are while specifiable in fact extremely minimal But other researchers rigorously oppose the continuation of this search arguing that decades of effort have turned up nothing The fact remains that the proposal of a language specific faculty was made for a good reason namely as an attempt to solve the vexing puzzle of language in our species Much work has been developing to address this and specifically to look for ways to characterize the language faculty as an emergent phenomenon i e not as a dedicated language specific system but as the emergent outcome of a set of uniquely human but not specifically linguistic factors in combination A number of theoretical and empirical approaches are being developed in order to account for the great puzzles of language language processing language usage language acquisition the nature of grammar and language change and diversification This research topic aims at reviewing and exploring these recent developments and establishing bridges between these young frameworks as well as with the traditions that have come before The goal of this Research Topic is to focus on current developments in what many regard as a paradigm shift in the language sciences In this Research Topic we want to ask If current explicit proposals for an innate dedicated faculty for language are not supported by data or arguments how can we solve the problems that UG was proposed to solve Is it possible to solve the puzzles of language in our species with an appeal to causes that are not specifically linguistic

The Evolution of Social Communication in Primates Marco Pina, Nathalie Gontier, 2014-05-23 How did social communication evolve in primates In this volume primatologists linguists anthropologists cognitive scientists and philosophers of science systematically analyze how their specific disciplines demarcate the research questions and methodologies involved in the study of the evolutionary origins of social communication in primates in general and in humans in particular In the first part of the book historians and philosophers of science address how the epistemological frameworks associated with primate communication and language evolution studies have changed over time and how these conceptual changes affect our current studies on the subject matter In the second part scholars provide cutting edge insights into the various means through which primates communicate socially in both natural and experimental settings They examine the behavioral building blocks by which primates communicate and they analyze what the cognitive requirements are for displaying communicative acts Chapters highlight cross fostering and language experiments with primates primate mother infant communication the display of emotions and expressions manual gestures and vocal signals joint attention intentionality and theory of mind The primary focus of the third part is on how these various types of communicative behavior possibly evolved and how they can be understood as evolutionary precursors to human language

Leading scholars analyze how both manual and vocal gestures gave way to mimetic and imitational protolanguage and how the latter possibly transitioned into human language In the final part we turn to the hominin lineage and anthropologists archeologists and linguists investigate what the necessary neurocognitive anatomical and behavioral features are in order for human language to evolve and how language differs from other forms of primate communication

Advances in Culture and Psychology, 2011 Advances in Culture and Psychology Michele J. Gelfand, Chi-yue Chiu, Ying-yi Hong, 2010-12-24 The field of culture and psychology is one of the fastest growing areas in the social sciences As a repeating annual series Advances in Culture and Psychology will be the first to offer state of the art reviews of scholarly research programs in the growing field of culture and psychology

The Evolved Apprentice Kim Sterelny, 2014-08-29 A new theory of the evolution of human cognition and human social life that emphasizes the role of information sharing across generations Over the last three million years or so our lineage has diverged sharply from those of our great ape relatives Change has been rapid in evolutionary terms and pervasive Morphology life history social life sexual behavior and foraging patterns have all shifted sharply away from those of the other great apes In *The Evolved Apprentice* Kim Sterelny argues that the divergence stems from the fact that humans gradually came to enrich the learning environment of the next generation Humans came to cooperate in sharing information and to cooperate ecologically and reproductively as well and these changes initiated positive feedback loops that drove us further from other great apes Sterelny develops a new theory of the evolution of human cognition and human social life that emphasizes the gradual evolution of information sharing practices across generations and how these practices transformed human minds and social lives Sterelny proposes that humans developed a new form of ecological interaction with their environment cooperative foraging The ability to cope with the immense variety of human ancestral environments and social forms he argues depended not just on adapted minds but also on adapted developmental environments

The Exchange of Words Richard Moran, 2018-04-24 *The Exchange of Words* is a philosophical exploration of human testimony specifically as a form of intersubjective understanding in which speakers communicate by making themselves accountable for the truth of what they say This account weaves together themes from philosophy of language moral psychology action theory and epistemology for a new approach to this basic human phenomenon

The Evolution of Primate Societies John C. Mitani, Josep Call, Peter M. Kappeler, Ryne A. Palombit, Joan B. Silk, 2012-10-24 In 1987 the University of Chicago Press published *Primate Societies* the standard reference in the field of primate behavior for an entire generation of students and scientists But in the twenty five years since its publication new theories and research techniques for studying the Primate order have been developed debated and tested forcing scientists to revise their understanding of our closest living relatives Intended as a sequel to *Primate Societies* *The Evolution of Primate Societies* compiles thirty one chapters that review the current state of knowledge regarding the behavior of nonhuman primates Chapters are written by the leading authorities in the field and organized around four major adaptive problems primates face

as they strive to grow maintain themselves and reproduce in the wild The inclusion of chapters on the behavior of humans at the end of each major section represents one particularly novel aspect of the book and it will remind readers what we can learn about ourselves through research on nonhuman primates The final section highlights some of the innovative and cutting edge research designed to reveal the similarities and differences between nonhuman and human primate cognition The Evolution of Primate Societies will be every bit the landmark publication its predecessor has been

Studies in Hellenistic Religions Luther H. Martin, 2018-02-26 This selection of essays by Luther Martin brings together studies from throughout his career both early as well as more recent in the various areas of Graeco Roman religions including mystery cults Judaism Christianity and Gnosticism It is hoped that these studies which represent spatial communal and cognitive approaches to the study of ancient religions might be of interest to those concerned with the structures and dynamics of religions past in general as well as to scholars who might with more recent historical research confirm evaluate extend or refute the hypotheses offered here for that is the way scholars work and by which scholarship proceeds

A Guide to Global Language Assessment Mellissa Bortz, 2024-05-30 For decades the speech language therapy profession has expressed the need for the development of language assessment materials in languages other than English for children and adults A Guide to Global Language Assessment A Lifespan Approach aims to meet this need by providing comprehensive information about how to assess the language of bi and multilingual and culturally diverse clients across the world Featuring the viewpoints of contributors from around the world A Guide to Global Language Assessment also boasts a complete database of available global language assessments What s included in A Guide to Global Language Assessment Case studies assessment frameworks and resources for conducting global language assessments for culturally and linguistically diverse populations An array of language assessment methods across a continuum such as ethnographic and dynamic assessments narratives and standardized language assessment Methods for developing local norms A Guide to Global Language Assessment A Lifespan Approach is an essential tool for empowering current and future speech language therapists professors and researchers to address global language assessment across the lifespan

Conceptual Breakthroughs in Ethology and Animal Behavior Michael D. Breed, 2017-01-25 *Conceptual Breakthroughs in Ethology and Animal Behavior* highlights through concise summaries the most important discoveries and scientific revolutions in animal behavior These are assessed for their relative impact on the field and their significance to the forward motion of the science of animal behavior Eighty short essays capture the moment when a new concept emerged or a publication signaled a paradigm shift How the new understanding came about is explained and any continuing controversy or scientific conversation on the issue is highlighted Behavior is a rich and varied field drawing on genetics evolution physiology and ecology to inform its principles and this book embraces the wealth of knowledge that comes from the unification of these fields around the study of animals in motion The chronological organization of the essays makes this an excellent overview of the history of animal behavior ethology and behavioral ecology

The work includes such topics as Darwin's role in shaping the study of animal behavior, the logic of animal contests, cognition, empathy in animals, and animal personalities. Succinct accounts of new revelations about behavior through scientific investigation and scrutiny reveal the fascinating story of this field. Similar to Dr. John Avise's *Contemporary Breakthroughs in Evolutionary Genetics*, the work is structured into vignettes that describe the conceptual revolution and assess the impact of the conceptual change with a score which ranges from 1 to 10, providing an assessment of the impact of the new findings on contemporary science. Features a lively, brisk writing style and brief entries to enable easy, enjoyable access to this essential information. Includes topics that cover the range of behavioral biology from mechanism to behavioral ecology. Can also be used as supplemental material for an undergraduate animal behavior course or as the foundational text for an upper-level or graduate discussion course in advanced animal behavior.

Advances in Cultural Linguistics Farzad Sharifian, 2017-05-02

This groundbreaking collection represents the broad scope of cutting-edge research in Cultural Linguistics, a burgeoning field of interdisciplinary inquiry into the relationships between language and cultural cognition. The materials surveyed in its chapters demonstrate how cultural conceptualizations encoded in language relate to all aspects of human life, from emotion and embodiment to kinship, religion, marriage, and politics, even the understanding of life and death. Cultural Linguistics draws on cognitive science, complexity science, and distributed cognition among other disciplines to strengthen its theoretical and analytical base. The tools it has developed have worked toward insightful investigations into the cultural grounding of language in numerous applied domains, including World Englishes, cross-cultural intercultural pragmatics, intercultural communication, Teaching English as an International Language (TEIL), and political discourse analysis.

Culture Evolves
Andrew Whiten, 2012

Culture, broadly defined as all we learn from others that endures for long enough to generate customs and traditions, shapes vast swathes of our lives and has allowed the human species to dominate the planet in an evolutionarily unique way. Culture and cultural evolution are uniquely significant phenomena in evolutionary biology; they are products of biological evolution yet they supplement genetic transmission with social transmission, thus achieving a certain independence from natural selection. However, cultural evolution nevertheless expresses key Darwinian processes itself and also interacts with genetic evolution. Just how culture fits into the grander framework of evolution is a big issue, though yet one that has received relatively little scientific attention compared to, for example, genetic evolution. Our capacity for culture appears so distinctive among animals that it is often thought to separate us, cultural beings, from the rest of nature and the Darwinian forces that shape it. *Culture Evolves* presents a different view arising from the recent discoveries of a diverse range of disciplines that focus on evolutionary continuities. First, recent studies reveal that learning from others and the transmission of traditions are more widespread and significant across the animal kingdom than earlier recognized, helping us understand the evolutionary roots of culture. Second, archaeological discoveries have pushed back the origins of human culture to much more ancient times than traditionally thought. These developments together suggest important continuities between animal

and human culture A third new array of discoveries concerns the later diversification of human cultures where the operations of Darwinian like cultural evolutionary processes are increasingly identified Finally surprising discoveries have been made about the imprint of cultural evolution in children s predisposition to acquire culture The result of a major interdisciplinary meeting held by the Royal Society and the British Academy this book presents the work of leading experts from the fields of ethology behavioural ecology primatology comparative psychology archaeology anthropology evolutionary biology and developmental psychology

The Cambridge Handbook of Role and Reference Grammar Delia Bentley,Ricardo Mairal Usón,Wataru Nakamura,Robert D. Van Valin, Jr,2023-06-07 Role and Reference Grammar RRG is a theory of language in which linguistic structures are accounted for in terms of the interplay of discourse semantics and syntax With contributions from a team of leading scholars this Handbook provides a field defining overview of RRG Assuming no prior knowledge it introduces the framework step by step and includes a pedagogical guide for instructors It features in depth discussions of syntax morphology and lexical semantics including treatments of lexical and grammatical categories the syntax of simple clauses and complex sentences and how the linking of syntax with semantics and discourse works in each of these domains It illustrates RRG s contribution to the study of language acquisition language change and processing computational linguistics and neurolinguistics and also contains five grammatical sketches which show how RRG analyses work in practice Comprehensive yet accessible it is essential reading for anyone who is interested in how grammar interfaces with meaning

Beyond Semantics and Pragmatics Gerhard Preyer,2018-08-16 The study of meaning in language embraces a diverse range of problems and methods Philosophers think through the relationship between language and the world linguists document speakers knowledge of meaning psychologists investigate the mechanisms of understanding and production Up through the early 2000s these investigations were generally compartmentalized indeed researchers often regarded both the subject matter and the methods of other disciplines with skepticism Since then however there has been a sea change in the field enabling researchers increasingly to synthesize the perspectives of philosophy linguistics and psychology and to energize all the fields with rich new intellectual perspectives that facilitate meaningful interchange The time is right for a broader exploration and reflection on the status and problems of semantics as an interdisciplinary enterprise in light of a decade of challenging and successful research in this area Taking as its starting point Lepore and Stone s 2014 book **Imagination and Convention** this volume aims to reconcile different methodological perspectives while refocusing semanticists on new problems where integrative work will find the broadest and most receptive audience

Gestures We Live By Lluís Payrató,Ignasi Clemente,2019-12-16 This book examines emblems or emblematic gestures from a pragmatic view that is to say as autonomous gestures that fulfill communicative functions embody illocutionary values and act as signals of cognitive relevance Emblems are conceived as multimodal tools on the frontier between verbal and nonverbal modes and are part of the communicative repertoire of individuals and sociocultural groups Emblems constitute clear cases of

embodiment and are susceptible to many processes of metaphorization contrasting or not with verbal metaphors metonymy and interference between modalities The applications of emblematic analysis are numerous from lexicography to second language learning or to natural language processing

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