

Affective Neuroscience The Foundations Of Human And Animal Emotions Jaak Panksepp

All children need love, but for troubled children, a loving home is not always enough. Children who have experienced trauma need to be parented in a special way that helps them feel safe and secure, builds attachments and allows them to heal. Playfulness, acceptance, curiosity and empathy (PACE) are four valuable elements of parenting that, combined with love, can help children to feel confident and secure. This book shows why these elements are so important to a child's development, and demonstrates to parents and carers how they can incorporate them into their day-to-day parenting. Real life examples and typical dialogues between parents and children illustrate how this can be done in everyday life, and simple stories highlight the ideas behind each element of PACE. This positive book will help parents and carers understand how parenting with love and PACE is invaluable to a child's development, and will guide them through using this parenting attitude to help their child feel happy, confident and secure.

Some investigators have argued that emotions, especially animal emotions, are illusory concepts outside the realm of scientific inquiry. However, with advances

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in neurobiology and neuroscience, researchers are demonstrating that this position is wrong as they move closer to a lasting understanding of the biology and psychology of emotion. In *Affective Neuroscience*, Jaak Panksepp provides the most up-to-date information about the brain-operating systems that organize the fundamental emotional tendencies of all mammals. Presenting complex material in a readable manner, the book offers a comprehensive summary of the fundamental neural sources of human and animal feelings, as well as a conceptual framework for studying emotional systems of the brain. Panksepp approaches emotions from the perspective of basic emotion theory but does not fail to address the complex issues raised by constructionist approaches. These issues include relations to human consciousness and the psychiatric implications of this knowledge. The book includes chapters on sleep and arousal, pleasure and fear systems, the sources of rage and anger, and the neural control of sexuality, as well as the more subtle emotions related to maternal care, social loss, and playfulness. Representing a synthetic integration of vast amounts of neurobehavioral knowledge, including relevant neuroanatomy, neurophysiology, and neurochemistry, this book will be one of the most important contributions to understanding the biology of emotions since Darwin's *The Expression of the Emotions in Man and Animals*

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This volume provides an up-to-date and evaluative review of theoretical and empirical stances on emotion and its close interaction with language and cognition in monolingual and bilingual individuals. Importantly, it presents a novel methodological approach that takes into account contextual information and hence goes beyond the reductionist approach to affective language that has dominated contemporary research. Owing to this pragmatic approach, the book presents brand new findings in the field of bilingualism and affect and offers the first neurocognitive interpretation of findings reported in clinical and introspective studies in bilingualism. This not only represents an invaluable contribution to the literature, but may also constitute a breakthrough in the investigation of the worldwide phenomenon of bilingualism. Beginning with a thorough review of the history and current state of affective research and its relation to language, spanning philosophical, psychological, neuroscientific, and linguistic perspectives, the volume then proceeds to explore affect manifestation using neuropragmatic methods in monolingual and bilingual individuals. In doing so, it brings together findings from clinical and introspective studies in bilingualism with cognitive, psychophysiological and neuroimaging paradigms. By combining conceptual understanding and methodological expertise from many disciplines, this volume provides a comprehensive picture of the dynamic interactions

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between contextual and affective information in the language domain. Thus, *Affect-Language Interactions in Native and Non-Native English Speakers: A Neuropragmatic Perspective* fosters a pragmatic approach to research on affective language processing in monolingual and bilingual population, one that builds bridges across disciplines and sparks important new questions in the cognitive neuroscience of bi- and multilingualism.

The past decades have seen significant advances in the sociological understanding of human emotion. Sociology has shown how culture and society shape our emotions and how emotions contribute to micro- and macro-social processes. At the same time, the behavioral sciences have made progress in understanding emotion at the level of the individual mind and body. *Emotion and Social Structures* embraces both perspectives to uncover the fundamental role of affect and emotion in the emergence and reproduction of social order. How do culture and social structure influence the cognitive and bodily basis of emotion? How do large-scale patterns of feeling emerge? And how do emotions promote the coordination of social action and interaction? Integrating theories and evidence from disciplines such as psychology, cognitive science, and neuroscience, Christian von Scheve argues for a sociological understanding of emotion as a bi-directional mediator between social action and social structure.

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This book will be of interest to students and scholars of the sociology of emotion, microsociology, and cognitive sociology, as well as social psychology, cognitive science, and affective neuroscience.

Philosophy of emotion is a vital topic within contemporary philosophy of mind. Beginning from insights latent in Heidegger's early philosophy, Wednesday's Child is an argument that, with the recognition of a suitable field of consciousness, it ought to be possible to speak scientifically about our non-cognitional and non-volitional but nevertheless rational moods, in particular "that most celebrated mood," namely, Angst. With the emergence of twentieth-century existentialism and its attention to human experience, and with Heidegger's revolutionary insight that an emotional mood such as Angst (long-term anxiety or anguish) has intentionality, the time was ripe for serious phenomenological work on the emotional aspect of our human being. Much more recently, advances in neurological imaging have enabled us to contemplate the phenomenon of human emotion scientifically. At present, the new discipline of social neuroscience affords us a philosophical and scientific opportunity to attend to the emotional aspect of our being, a long-neglected aspect of our humanity. Proceeding from Heidegger's insight regarding the intentionality of moods, this book adumbrates a type of social neuroscience capable of validating Heidegger's understanding of

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the centrality of Angst for human being. Wednesday's Child concludes with an Afterthought pointing to the religious and non-religious uses of Angst, which the author depicts as a "prime datum" of our human being and includes a glossary, and an appended outline of the book's argument.

This Handbook examines disparities in public health by highlighting recent theoretical and methodological advances in cultural neuroscience. It traces the interactions of cultural, biological, and environmental factors that create adverse physical and mental health conditions among populations, and investigates how the policies of cultural and governmental institutions influence such outcomes. In addition to providing an overview of the current research, chapters demonstrate how a cultural neuroscience approach to the study of the mind, brain, and behavior can help stabilize the quality of health of societies at large. The volume will appeal especially to graduate students and professional scholars working in psychology and population genetics. The Oxford Handbook of Cultural Neuroscience represents the first collection of scholarly contributions from the International Cultural Neuroscience Consortium (ICNC), an interdisciplinary group of scholars from epidemiology, anthropology, psychology, neuroscience, genetics, and psychiatry dedicated to advancing an understanding of culture and health using theory and methods from cultural neuroscience. The Handbook is

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intended to introduce future generations of scholars to foundations in cultural neuroscience, and to equip them to address the grand challenges in global mental health in the twenty-first century.

This comprehensive and exceptionally readable text summarizes up-to-date information about the fundamental brain sources of emotional tendencies in humans and other animals.

Like 'mind' and 'consciousness', 'pleasure' was all but tabooed in psychology for much of the 20th Century. Like those concepts too, pleasure is difficult to define or to assess scientifically. Still, evidence has steadily accumulated that pleasure is involved in all aspects of psychology. The simplest sensory experience is tinged with pleasure or displeasure. Some (although not all) planning for the future involves maximizing pleasure. Pleasantness is the first factor of mood, which is known to influence various cognitive processes. In some theories, pleasure or displeasure lie at the heart of emotion. Articles in this Special Issue take up such issues as these as well as the neurophysiological substrate of pleasure, its role in planned behaviour, nonconscious pleasure, the lay concept of pleasure, and whether smiles and laughter are signs of pleasure.

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Updated and revised, the highly-anticipated second edition of The Blackwell Companion to

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Consciousness offers a collection of readings that together represent the most thorough and comprehensive survey of the nature of consciousness available today. Features updates to scientific chapters reflecting the latest research in the field Includes 18 new theoretical, empirical, and methodological chapters covering integrated information theory, renewed interest in panpsychism, and more Covers a wide array of topics that include the origins and extent of consciousness, various consciousness experiences such as meditation and drug-induced states, and the neuroscience of consciousness Presents 54 peer-reviewed chapters written by leading experts in the study of consciousness, from across a variety of academic disciplines

Ben shu yan jiu da nao ru he cong yi ge xin de guan dian lai le jie qing xu, bing ji you shen jing xi tong de nei bu le jie zhe xie ling ren kun huo de xin zhi zhuang tai.

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Of the many conceptual distinctions present in psychology today, the approach-avoidance distinction stands out as one of, if not the, most fundamental and basic. The distinction between approach and avoidance motivation has a venerable history, not only within but beyond scientific psychology, and the deep utility of this distinction is clearly evident across theoretical traditions, disciplines, and content areas. This volume is designed to illustrate and highlight the central importance of this distinction, to serve as a one-stop resource for scholars working in this area, and to facilitate integration among researchers and theorists with an explicit or implicit interest in approach and avoidance motivation. The main body of this volume is organized according to seven broad sections that represent core areas of interest in the

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study of approach and avoidance motivation, including neurophysiology and neurobiology, and evaluative processes. Each section contains a minimum of four chapters that cover a specific aspect of approach and avoidance motivation. The broad applicability of the approach-avoidance distinction makes this Handbook an essential resource for researchers, theorists, and students of social psychology and related disciplines.

This book constitutes the proceedings of the First Indo-Japanese conference on Perception and Machine Intelligence, PerMIIn 2012, held in Kolkata, India, in January 2012. The 41 papers, presented together with 1 keynote paper and 3 plenary papers, were carefully reviewed and selected for inclusion in the book. The papers are organized in topical sections named perception; human-computer interaction; e-nose and e-tongue; machine intelligence and application; image and video processing; and speech and signal processing.

One hundred stereotype maps glazed with the most exquisite human prejudice, especially collected for you by Yanko Tsvetkov, author of the viral Mapping Stereotypes project. Satire and cartography rarely come in a single package but in the Atlas of Prejudice they successfully blend in a work of art that is both funny and thought-provoking. The book is based on Mapping Stereotypes, Yanko Tsvetkov's critically acclaimed project that became a viral Internet sensation in 2009. A reliable weapon against bigots of all kinds, it serves as an inexhaustible source of much needed argumentation and-occasionally-as a nice slab of paper that can be used to smack them across the face whenever reasoning becomes utterly impossible. The Complete Collection version of the Atlas contains all maps from the previously published two volumes and adds twenty five new ones, wrapping the best-selling series in a single extended edition.

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Widely regarded as the standard reference in the field, this handbook comprehensively examines all aspects of emotion and its role in human behavior. The editors and contributors are foremost authorities who describe major theories, findings, methods, and applications. The volume addresses the interface of emotional processes with biology, child development, social behavior, personality, cognition, and physical and mental health. Also presented are state-of-the-science perspectives on fear, anger, shame, disgust, positive emotions, sadness, and other distinct emotions. Illustrations include seven color plates.

Psychoanalysis and Psychotherapy have, in one way or another, focused on the amelioration of the negative. This has only done half the job; the other half being to actively bring Positive Experience into patients' lives. Positive Psychoanalysis moves away from this traditional focus on negative experience and problems, and instead looks at what makes for a positive life experience, bringing a new clinical piece to what psychoanalysts do: Positive Psychoanalysis and the interdisciplinary theory and research behind it. The envelope of functions entailed in Positive Psychoanalysis is an area of Being described as Subjective Well-Being. This book identifies three particular areas of function encompassed by SWB: Personal Meaning, Aesthetics, and Desire. Mark Leffert looks at the importance of these factors in our positive experiences in everyday life, and how they are manifested in clinical psychoanalytic work. These domains of Being form the basis of chapters, each comprising an interdisciplinary discussion integrating

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many strands of research and argument. Leffert discusses how the areas interact with each other and how they come to bear on the care, healing, and cure that are the usual subjects of psychoanalytic treatment. He also explores how they can be represented in contemporary psychoanalytic theory. This novel work discusses and integrates research findings, phenomenology, and psychoanalytic thought that have not yet been considered together. It seeks to inform readers about these subjects and demonstrates, with clinical examples, how to incorporate them into their clinical work with the negative, helping patients not just to heal the negative but also move into essential positive aspects of living: a sense of personal meaning, aesthetic competence, and becoming a desiring being that experiences Subjective Well-Being. Drawing on ideas from across neuroscience, philosophy, and social and culture studies, this book sets out a new agenda for covering the positive in psychoanalysis. Positive Psychoanalysis will appeal to psychoanalysts and psychotherapists, neuroscientists and philosophers, as well as academics across these fields and in psychiatry, comparative literature, and literature and the mind.

A great deal has been written about the innately sensitive person, otherwise known as the highly sensitive person or individual with sensory processing sensitivity. There is little to nothing written about how the characteristics of innate

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sensitivity when found in a therapist might be beneficial to clients. Through hermeneutical and alchemical hermeneutical methodologies, this thesis explores the foundations of innate sensitivity through neuroscience in humans and affective neuroscience in both humans and horses to showcase relational and emotional intelligence in the innately sensitive. It shows that innate sensitivity differs from a clinical disorder and demonstrates a link between innate sensitivity and high functioning schizoid dynamics. Cultural stigma in the form of a complex about innate sensitivity has held it firmly in the shadow. This work attempts to integrate the complex through an archetypal understanding of the shadowed feminine principle in Western culture and how it is implicitly suppressed.

The Canine Emotional Detox differs from other books on stress because it focuses on the right combination of elements to reduce stress and to date has over 196 permission-based cases. Take a look at selected before and after photos, pattern discoveries and findings through real life research approach with dogs in a variety of environments, situations, and behavioral challenges. The book is filled with the who, what, where, when, how and why of stress and its affect on dogs. Author, Diane Garrod takes a look at the dog from the inside out, from diet to waste analysis, to release of stress chemicals within the body and the brain and how the dog thinks and processes information. Think of the CED as

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a three-day intensive stress neutralization, with the canine taking a well-needed, and deserved holiday, or vacation in a spa-like, pampering process and a way to learn more about the individual dog in the process. From this perspective a final analysis is created, which becomes a customized behavior modification process. What does the CED do? •Reduces behavior problems. •Enhances communication and relationships. •Neutralizes harmful stress chemicals causing distress or chronic/acute stress. •Takes into account the individual dog's emotions and feelings. •Asks how is the dog coping with real life by uncovering patterns. •Explores how the dog handles touch. •Shows how the dog thinks and processes information with mentally tiring activities. •Creates a productive, results-oriented behavior modification process. •Builds knowledge of the canine, their environment, their family. •Prepares the dog to learn better, faster and retain longer.

What makes our brain a brain? This is the central question posited in *Unlocking the Brain*. By providing a fascinating venture into different territories of neuroscience, psychiatry, and philosophy, the author takes a novel exploration of the brain's resting state in the context of the neural code, and its ability to yield consciousness.

The experience of emotion is a ubiquitous component of the stream of

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consciousness; emotional qualia interact with other contents and processes of consciousness in complex ways. Recent research has supported the hypothesis that important functional aspects of emotion can operate outside the conscious awareness. Primary types of emotions are found in animals, while secondary, more complex types are involved in interpersonal relationships. Emotions both influence genetic repair mechanisms of individuals and are responsible for group behavior. Many scholars and scientists believe that no scientific or philosophic account of consciousness can be complete without an understanding of the role of emotion.

Contents: Emotion and Consciousness: Current Research and Controversies (A W Kaszniak) The Nature of Typical Emotions (A Ben-Ze'ev) Emotions Associated to Cognitive Revision as a Basis for Values (P Livet) Neuro-Affective Processes and the Brain Substrates of Emotion: Emerging Perspective and Dilemmas (J Panksepp) Imagery and Emotion: Information Networks in the Brain (P J Lang) Hemispheric Asymmetries in Representation and Control of Emotions: Evidence from Unilateral Brain Damage (G Gainotti) Hierarchical Organization of Emotional Experience and Its Neural Substrates (R Lane) Metal Representations, the Reticular Activating System and Emotions (B Cabott) Antecedents and Functions of Emotion Episodes (N H Frijda) The Communication of Emotion (U Hess) The Mental Representation of

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Romantic Jealousy: A Blended Emotion (and More) (D J Sharpsteen) and other papers
Readership: Postdoctoral students and researchers in biocybernetics, neurosciences, cognitive sciences and psychology.

Keywords: Emotions; Qualia; Consciousness; Alexythymia; Nonconscious Emotional Activation; Fear; Pain; Humour; Amygdala; Joy

A systematic examination of emotions and world politics, showing how emotions underpin political agency and collective action after trauma.

In the last fifteen years, there has been significant interest in studying the brain structures involved in moral judgments using novel techniques from neuroscience such as functional magnetic resonance imaging (fMRI). Many people, including a number of philosophers, believe that results from neuroscience have the potential to settle seemingly intractable debates concerning the nature, practice, and reliability of moral judgments. This has led to a flurry of scientific and philosophical activities, resulting in the rapid growth of the new field of moral neuroscience. There is now a vast array of ongoing scientific research devoted towards understanding the neural correlates of moral judgments, accompanied by a large philosophical literature aimed at interpreting and examining the methodology and the results of this research. This is the first volume to take stock of fifteen years of research of this fast-growing field of moral neuroscience

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and to recommend future directions for research. It features the most up-to-date research in this area, and it presents a wide variety of perspectives on this topic.

Publisher Description

A CHOICE Magazine Outstanding Academic Title of 2018. A novel approach to understanding personality, based on evidence that we share more than we realize with other mammals. This book presents the wealth of scientific evidence that our personality emerges from evolved primary emotions shared by all mammals. Yes, your dog feels love—and many other things too. These subcortically generated emotions bias our actions, alter our perceptions, guide our learning, provide the basis for our thoughts and memories, and become regulated over the course of our lives. Understanding personality development from the perspective of mammals is a groundbreaking approach, and one that sheds new light on the ways in which we as humans respond to life events, both good and bad. Jaak Panksepp, famous for discovering laughter in rats and for creating the field of affective neuroscience, died in April 2017. This book forms part of his lasting legacy and impact on a wide range of scientific and humanistic disciplines. It will be essential reading for anyone trying to understand how we act in the world, and the world's impact on us.

Since interactions may occur between animals, humans, or computational agents, an interdisciplinary approach which investigates foundations of affective communication in a variety of platforms is indispensable. In the field of affective computing, a collection of research, merging decades of research on emotions in psychology, cognition and neuroscience will inspire creative future research projects and contribute to the prosperity of

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this emerging field. *Affective Computing and Interaction: Psychological, Cognitive and Neuroscientific Perspectives* examines the current state and the future prospects of affect in computing within the context of interactions. Uniting several aspects of affective interactions and topics in affective computing, this reference reviews basic foundations of emotions, furthers an understanding of the contribution of affect to our lives and concludes by revealing current trends and promising technologies for reducing the emotional gap between humans and machines, all within the context of interactions.

Leading philosophers and scientists examine the puzzles of pain and consider how the study of pain might help us to have a better understanding of the larger issues of consciousness and psychological research.

What impact does children's emotional development and well-being have on their capacity to learn? How do you provide learning experiences that meet the developmental needs of every child in your care? *The Feeling Child* thoughtfully discusses the key principles of children's emotional and behavioural development alongside descriptions of everyday practice. It clearly explains how a child's early experiences influence their particular behaviours towards different people and different situations. Throughout the book, Maria Robinson considers the key characteristics of effective learning and shows how play is one of the key mechanisms that children use in their discovery of themselves and the world around them. These characteristics are then applied to integral aspects of early years practice to help practitioners to: support children to come to new understandings in safe yet challenging ways understand the ways in which children may approach or withdraw from learning opportunities reflect on their own teaching methods to encourage children's engagement, motivation and creativity through

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effective observation and planning engage with parents and carers to help support children's learning at home whilst maintaining the values of the family. celebrate the uniqueness of each child and provide learning experiences that are appropriate for individuals with particular learning needs, be they physical, emotional or cognitive to ensure that every child has an equal opportunity to succeed. Emphasising the importance of understanding the theory that underpins children's emotional development, this accessible text shows practitioners how they can use this knowledge to provide learning opportunities that nourish children's thinking and creative skills.

Stories engage our emotions. We've known this at least since the days of Plato and Aristotle. What this book helps us to understand now is how our own emotions fundamentally organize and orient stories. In light of recent cognitive research and wide reading in different narrative traditions, Patrick Colm Hogan argues that the structure of stories is a systematic product of human emotion systems. Examining the ways in which incidents, events, episodes, plots, and genres are a function of emotional processes, he demonstrates that emotion systems are absolutely crucial for understanding stories. Hogan also makes a case for the potentially integral role that stories play in the development of our emotional lives. He provides an in-depth account of the function of emotion within story?in widespread genres with romantic, heroic, and sacrificial structures, and more limited genres treating parent/child separation, sexual pursuit, criminality, and revenge?as these appear in a variety of cross-cultural traditions. In the course of the book Hogan develops interpretations of works ranging from Tolstoy's Anna Karenina to African oral epics, from Sanskrit comedy to Shakespearean tragedy. Integrating the latest research in affective science with narratology, this book provides

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a powerful explanatory account of narrative organization.

Introduces the novel concept of affective social learning to explain how values are socially transmitted.

CT afferents are receptors in mammalian hairy skin that fire action potentials when the skin is touched lightly which makes them particularly important in affective touch. Traditionally neuroscientific research has focused on more discriminative and haptic properties of touch that are mediated by large myelinated afferents and the coding properties and functional organization of unmyelinated CT afferents have been studied much less. The proposed volume will draw together existing knowledge in this nascent field. Separate sections will address (1) how we can measure affective touch, (2) CT structure and physiology, (3) CT processing, (4) the contribution of CTs to sexual behavior, (5) clinical relevance, (6) commercial relevance, and (7) future research considerations.?

The problem of development is central in the study of emotional life for two basic reasons. First, emotional life so clearly changes (dramatically in the early years) with new emotional reactions emerging against the backdrop of an increasing sensitivity to context and with self-regulation of emotion emerging from a striking dependence on regulatory assistance from caregivers. Such changes demand developmental analysis. At the same time, understanding such profound changes will surely inform our understanding of the nature of development more generally. The complexity of emotional change, when grasped, will reveal the elusive nature of development itself. At the outset, we know that development is complex. We must take seriously what is present at any given phase, including the newborn period, because a developmental analysis disallows something emerging from nothing. Still, it is equally

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nondevelopmental to posit that new forms of new processes were simply present in their precursors. Rather, development is characterized by transformations in which more complex structures and organization "emerge" from new integration of prior components and new capacities. These new forms and organizations cannot be specified from prior conditions but are due to transactions of the evolving organism with its environment over time. They are not simply in the genome, and they are not simply conditioned by the environment. They are the result of the developmental process.

This volume applies multiple levels of analysis to neurobiological developmental organization, and functioning in normality and psychopathology. It also covers topics central to a developmental perspective on neuroscience.

Although much academic work has been done on the areas of mind, brain, and society, a theoretical synthesis of the three levels of analysis – the biological, the mental, and the social – has not until now been put forward. In *Emotion and Reason*, Warren TenHouten presents a truly comprehensive classification of the emotions. The book analyzes six key emotions: anger, acceptance, aggressiveness, love, joy and happiness, and anticipation. It places them in historical context, relates them to situations of work and intimacy, and explains their functioning within an individuated, autonomous character structure. Divided into four parts, the book presents a socioevolutionary theory of the emotions – Affect-spectrum Theory (AST), which is based on a synthesis of three models, of the emotions, of social relationships, and of cognition. This book will be of value to undergraduate and postgraduate students, as well as researchers, with an interest in the sociology of emotions, anthropology of emotions, social psychology, affective neuroscience, political science, behavioral neuroeconomics and philosophy.

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Traditionally, neuroscience has considered the nervous system as an isolated entity and largely ignored influences of the social environments in which humans and many animal species live. However, there is mounting evidence that the social environment affects behavior across species, from microbes to humans. This volume brings together scholars who work with animal and human models of social behavior to discuss the challenges and opportunities in this interdisciplinary academic field.

Comprehensive, authoritative, up-to-date, & easy-to-use, this companion is an indispensable resource for all who wish to find out about theories, concepts, methods, & research findings in this rapidly growing interdisciplinary field.

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