

Download File
PDF Intentional
Binding And The
*Intentional
Binding And
The Sense Of
Agency A
Review*

*What happens to
our sense of
agency, our
general ability
to perform
actions in our*

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Binding And The

life worlds, in

the course of

media reception

and

appropriation?

Whilst

considering

media

communication as

a special form

of social

action, this

work reconsiders

the key concepts

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Binding And The
of social action
theory,
pragmatism,
communication
theory as well
as film, game
and television
theory. It thus
integrates
agency as the
key to
understanding
'doing media'
and at the same

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Binding And The
time
conceptualizes
agency as a
specific mode of
involvement
across media
boundaries. This
approach
amalgamates
miscellaneous
ideas and
conceptions such
as
interactivity,

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participation,
Sense Of Agency
cognitive
control, play or
empowerment and
applies the
theoretical
considerations
on the basis of
textual analyses
of the films
Inception and
The Proposal,
the TV shows
Lost and I'm a

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Celebrity and
the video games
Grand Theft Auto
IV and The
Walking Dead.
An
authoritative,
up-to-date
survey of the
state of the art
in cognitive
science, written
for non-
specialists.

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Sense Of Agency
A Review

The past two decades have seen a surge of interest in the topic of consciousness, with the result that the research literature has expanded greatly. However, until now, there has

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A Review

*been little
consensus on
just which
methods are the
most effective
for the study of
consciousness.
As a result, a
wide range of
experimental
paradigms have
been employed,
sometimes making
it difficult to*

Download File
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Binding And The
compare and
contrast
experimental
findings.

'Behavioral
Methods in
Consciousness
Research' is the
first book of
its kind,
providing an
overview of
methods and
approaches for

Download File
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Binding And The
studying
consciousness.

*The chapters are
written by
leading
researchers and
experts, who
describe the
methods they
actually use in
their own
studies, along
with their
pitfalls,*

Download File
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Binding And The
*problems, and
difficulties.*

*For all students
and researchers
embarking on
research in this
area - and even
seasoned
researchers -
this book is a
valuable source
of information
in helping them
design, perform,*

Download File
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Binding And The
and analyze
scientifically
rigorous

experiments.

This book offers
an analysis of
experimental
psychology that
is embedded in a
general
understanding of
human behavior.

It provides
methodological

Download File
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*self-awareness
for researchers
who study and
use the
experimental
method in
psychology. The
book critically
reviews key
research areas
(e.g., rule-
breaking, sense
of agency, free
choice, task*

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switching, task

sharing, and

mind wandering),

examining their

scope, limits,

ambiguities, and

implicit

theoretical

commitments.

Topics featured

in this text

include: Methods

of critique in

experimental

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Binding And The
research Goal
Sense Of Agency/
hierarchies and
A Review
organization of
a task Rule-
following and
rule-breaking
behavior Sense
of agency Free-
choice tasks
Mind wandering
Experimental
Psychology and
Human Agency
will be of

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interest to
researchers and
undergraduate
and graduate
students in the
fields of
experimental
psychology,
cognitive
psychology,
theoretical
psychology, and
critical
psychology, as

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well as various
Sense Of Agency
philosophical

disciplines.

The Pragmatic

Turn

The Oxford

Handbook of

Phenomenological

Psychopathology

Proceedings of

the AHFE 2021

Virtual

Conferences on

Neuroergonomics

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Binding And The
*and Cognitive
Engineering,
Industrial
Cognitive
Ergonomics and
Engineering
Psychology, and
Cognitive
Computing and
Internet of
Things, July
25-29, 2021, USA
Motor Cognition
Experimental*

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*Psychology and
Sense Of Agency*

The Mechanisms

Underlying the

Human Minimal

Self

Sensation of

Movement explores

the role of sensation

in motor control,

bodily self-recognition

and sense of agency.

The sensation of

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movement is
dependent on a range
of information

received by the brain,
from signalling in the
peripheral sensory
organs to the
establishment of
higher order goals.

Through the
integration of
neuroscientific
knowledge with

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psychological and

philosophical

perspectives, this book

questions whether one

type of information is

more relevant for the

ability to sense and

control movement.

Addressing conscious

sensations of

movement,

experimental designs

and measures, and the

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A Review

possible functions of proprioceptive and kinaesthetic

information in motor control and bodily cognition, the book

advocates the integration of neuroscientific knowledge and philosophical

perspectives. With an awareness of the

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A Review

diverse ideas and theories from these distinct fields, the book brings together leading researchers to bridge these divides and lay the groundwork for future research. Of interest to both students and researchers of consciousness, Sensation of

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Movement will be

essential reading for

those researching

motor control,

multimodal

perception, bodily self-

recognition, and sense

of agency. It aims to

encourage the

integration of multiple

perspectives in order

to arrive at new

insights into how

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A Review

sensation of movement
can be studied
scientifically.

Phenomenology has
primarily been
concerned with
questions about
knowledge and
ontology. However, in
recent years the rise
of interest and
research in
phenomenology and

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embodiment, the

Sense Of Agency

A Review

cognitive science has

seen the concept of

agency move to a

central place in the

study of

phenomenology

generally. The

Routledge Handbook

of Phenomenology of

Agency is an

outstanding reference

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source to this topic and the first volume of its kind. It comprises twenty-seven chapters written by leading international contributors.

Organised into two parts, the following key topics are covered: • major figures • the metaphysics of agency

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A Review

- rationality •
- voluntary and
- involuntary action •
- moral experience •
- deliberation and
- choice •
- phenomenology of
- agency and the
- cognitive sciences •
- phenomenology of
- freedom • embodied
- agency Essential
- reading for students

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and researchers in phenomenology, philosophy of mind, metaphysics and philosophy of cognitive science The Routledge Handbook of Phenomenology of Agency will also be of interest to those in closely related subjects such as sociology and

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psychology.
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A Review

As we navigate through life we instinctively model time as having a flowing present that divides a fixed past from open future. This model develops in childhood and is deeply saturated within our language, thought and behavior,

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affecting our

Sense Of Agency

A Review
conceptions of the

universe, freedom and

the self. Yet as central

as it is to our lives,

physics seems to have

no room for this

flowing present. This

book demonstrates

this claim in detail

and then turns to two

novel positive tasks.

First, by looking at the

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world in the spatial directions it shows that physics is not 'spatializing time' as is commonly alleged.

Second, if the flowing present is an illusion, it is a deep one worthy of explanation. The author develops a picture whereby the temporal flow arises as an interaction

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effect between an observer and the physics of the world.

Using insights from philosophy, cognitive science, biology, psychology and physics, the theory claims that the flowing present model of time is the natural reaction to the perceptual and evolutionary

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A Review

challenges thrown at us. Modeling time as flowing makes sense even if it

misrepresents it.--

Numerous spatial

biases influence

navigation,

interactions, and

preferences in our

environment. This

volume considers their

influences on

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perception and
memory.

A Review
How Beliefs Shape

Our Cognition,

Behavior, and Health

A Conversation with

Chris Frith

What Actions Tell the

Self

Sensation of

Movement

Guilty Acts, Guilty

Minds

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Binding And The

Determinants of
Sense Of Agency
Intentional Binding as
A Proxy for

Dopaminergic States

This timely and

important

collection

broadens our

understanding of

the ways in which

lay theories (also

known as folk

psychologies,

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implicit theories,

naïve theories, or

mindsets) impact

our lives and

social relations.

Moving well

beyond lay

theories as

applied to

intelligence and

achievement, this

volume considers

lay theories in an

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A Review

*admirably wide
context, including
perspectives on
prejudice,
creativity, self-
regulation,
health, free will,
justice, magic,
religion and
more. Eminent
and emerging
scholars alike
provide a*

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A Review

*comprehensive
overview that
presents and
synthesizes
cutting edge
contemporary
research on lay
theories,
spanning social,
cognitive,
developmental,
cultural, and
clinical*

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psychology.
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Structurally, this volume is organized in three parts.

Beginning with a preface by renowned scholar Carol Dweck, the first part looks at the origins and nature of lay theories, and how

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malleable they

are. The second

part explores lay

theories about

common

psychological

phenomena. The

third section

discusses lay

theories about

the metaphysical

or supernatural.

Finally, the last

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section explores the important question of how lay theories impact health and health behavior. Taken together, the chapters provide an integrative survey of the science of lay theories, bringing together

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*many perspectives that
previously have
been studied
largely in
isolation. This
volume is more
than the sum of
its parts—perspec
tives from
different strands
of research
provide insights*

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*that cut across
research
disciplines,*

*making novel
connections and
prompting new
directions for this
field of study.*

*Shedding light on
how our beliefs
shape all facets of
our lives, The
Science of Lay*

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Theories: How

Beliefs Shape Our

Cognition,

Behavior, and

Health will appeal

to researchers

and practitioners

in psychology, as

well as

philosophers,

cognitive and

developmental

neuroscientists,

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religious scholars, sociologists, and anthropologists. It is very rare to say of an edited volume of scholarly chapters “I couldn’t put it down!” Yet that was the case with this book. It’s not just that I have

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worked in this

Sense Of Agency

A Review

years, but rather,

with every

chapter I felt I

was gaining new

insights into

what, deep down,

people really

believe and how

these beliefs

influence their

lives—Carol

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A Review
Dweck, Stanford
University, Palo
Alto, CA, USA

To understand many of our everyday joint actions we need a theory of skillful joint action. In everyday contexts we do numerous things together.

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Philosophers of collective intentionality have wondered how we can distinguish parallel cases from cases where we act together. Often their theories argue in favor of one characteristic,

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feature, or

function, that

differentiates the

two. This feature

then

distinguishes

parallel actions

from joint action.

The approach in

this book is

different. Three

claims are

developed: (1)

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There are several functions that help human agents coordinate and act together.

(2) This entails that joint action should be understood through these different, interrelated, types of

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coordination. (3)

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A Review

A

multidimensional

conceptual space,

with three levels

of control and

coordination, will

allow us to

connect these

different forms of

coordination and

their interdepend

encies. This

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allows us to

understand the

jointness of an

action in a more

differentiated and

encompassing

way. This

approach has

ramifications for

several

distinctions that

are typically

understood to be

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A Review

binary, including those between action and mere bodily movement, joint action and parallel action, and action together and not together.

This book increases the accessibility of philosophical

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concepts to a wider audience within medical education, translating knowing to doing. It prompts health professions educators and researchers to consider the dynamics and structure of

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contemporary
Sense Of Agency
issues within
A Review
health

professions
education in new,
philosophical
ways. Through
considering the
practical
implications of
applying
philosophical
concepts to

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contemporary

issues, the book

recommends

avenues for

further research

and pedagogical

change.

Individual

educators are

considered, with

practice points for

teaching

generated within

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each chapter.

Readers will

acquire practical

ways in which

they can change

their own practice

or pedagogy that

align with the

new insight

offered through

our philosophical

analysis. These

practical

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Binding And The
recommendations

may be systemic

in nature, but the

authors of this

book also offer

micro-level

recommendations

for practitioners

that can be

considered as

ways to improve

individual

approaches to

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education and
research. .
Sense Of Agency
A Review

*This book reports
on theoretical and
experimental
research
answering key
questions in
neuroscience,
philosophy of
mind, and
cognitive
research. It gives*

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A Review

*a special
emphasis on
findings achieved
within the
territory of the
former U.S.S.R,
which has
remained largely
unknown to an
international
readership. The
volume gathers
authoritative*

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studies on
Sense Of Agency
A Review

*cognitive
development,
consciousness,
attention and
perception. It
covers research
on eye
movements,
language, speech
and semantics,
emotion, as well
as brain*

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Binding And The
functional states,
Sense Of Agency
A Review
and a variety of
decision-making

processes. It also

highlights

important

advances in

cognitive robotics

and artificial

intelligence,

discussing brain-

computer

interfaces and

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other practically-

relevant

technologies. It

includes studies

on human

subjects, in both

healthy and

disease

conditions, and

investigations on

the molecular

mechanisms of

cognition in

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animal models.

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Chapters are

A Review

based on invited

lectures and peer-

reviewed

contributions to

the 9th

International

Conference on

Cognitive

Sciences, Interco

gnsci-2020, held

on October 10-16,

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2020, in Moscow.

*The conference
was organized by
the Interregional
Association of
Cognitive Studies,
with the
participation of
the Pavlov
Society for
Neurophysiology
and Higher
Nervous Activity,*

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*and supported by
the Russian*

*Academy of
Sciences, the
Russian*

*Foundation for
Basic Research
and a number of
the north eastern
European
research*

*institutions. All in
all, this book*

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*provides
cognitive
scientists around
the world with a
timely snapshot
of
interdisciplinary
research and
cutting-edge
models, and a
major source of
inspiration for
future*

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collaborations in

the areas of

artificial

intelligence and

cognitive

neuroscience.

Schizophrenia:

Human and

Animal Studies

Symbiotic

Interaction

A Theory of

Skillful Joint

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Action
The Routledge
Handbook of
Phenomenology
of Agency
How Agency
Shapes the
Perception of
Time
Embodying Tool
Use: From
Cognition to Neur
orehabilitation

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This volume
contains
research
articles and
reviews
describing
behavioral,
cognitive,
computational,
genetic, and p
harmacological
studies of

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schizophrenia.
Sense Of Agency
Articles will
A Review
include

reports on the
latest
research on
neural
substrates of
positive,
negative, and
cognitive
symptoms in

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schizophrenia;
Sense Of Agency
computational
A Review
theory;

behavioral
neurogenetic,
and neuropsych
ological
studies of
schizophrenia.

We also
welcome
research

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articles
Sense Of Agency
reporting
A Review
effects of

medications,
including anti
psychotics, on
schizophrenia
symptoms and
behavior.

The problem of
how humans and
other

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intelligent
Sense Of Agency
systems
A Review
construct

causal represe
ntations from
non-causal
perceptual
evidence has
occupied
scholars in
cognitive
science for

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many decades.

Most contemporary approaches agree with David Hume that patterns of covariation between two events of interest are the critical

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input to the
Sense Of Agency
causal
A Review
induction

engine,
irrespective
of whether
this induction
is believed to
be grounded in
the formation
of
associations

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(Shanks &
Dickinson,
1987), rule-
based
evaluation
(White, 2004),
appraisal of
causal powers
(Cheng, 1997),
or
construction
of Bayesian

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Causal
Sense Of Agency
Networks
A Review
(Pearl, 2000).

Recent
research,
however, has
repeatedly
demonstrated
that an
exclusive
focus on
covariation

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while neglecting contiguity (another of Hume's cues) results in ecologically invalid models of causal inference. Temporal spacing,

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order,
Sense Of Agency
variability, p
A Review
redictability,
and patterning
all have
profound
influence on
the type of
causal
representation
that is
constructed.

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The influence of time upon causal representations could be seen as a bottom-up constraint (though current bottom-up models cannot account for the full

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spectrum of
effects).
A Review

However,
causal represe
ntations in
turn also
constrain the
perception of
time: Put
simply, two
causally
related events

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A Review

appear closer
in subjective
time than two
(equidistant)
unrelated
events. This
reversal of
Hume's
conjecture,
referred to as
Causal Binding
(Buehner &

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Humphreys,
Sense Of Agency
A Review
2009) is a top-
down

constraint,
and suggests
that our repre-
sentations of
time and
causality are
mutually
influencing
one another.

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At present,
the
theoretical
implications
of this
phenomenon are
not yet fully
understood.
Some accounts
link it
exclusively to
human motor

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planning
(appealing to
mechanisms of
cross-modal
temporal
adaptation, or
forward
learning
models of
motor
control).
However,

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recent
Sense Of Agency
A Review
demonstrations
of causal

binding in the
absence of
human action,
and analogous
binding
effects in the
visual spatial
domain,
challenge such

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accounts in
Sense Of Agency
A Review
favour of
Bayesian

Evidence
Integration.
This Research
Topic reviews
and further
explores the
nature of the
mutual
influence

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between time
and causality,
how causal
knowledge is
constructed in
the context of
time, and how
it in turn
shapes and
alters our
perception of
time. We draw

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together
Sense Of Agency
literatures
A Review
from the
perception and
cognitive
science, as
well as
experimental
and
theoretical
papers.
Contributions

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investigate
the neural
bases of
binding and
causal learnin
g/perception,
methodological
advances, and
functional
implications
of causal
learning and

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perception in
Sense Of Agency
A Review

perception in
real time.

The sense of
agency is
defined as the
sense of
oneself as the
agent of one's
own actions.

This also
allows oneself
to feel

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distinct from others, and contributes to the subjective phenomenon of self-

consciousness (Gallagher, 2000).

Distinguishing oneself from others is

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arguably one of the most important functions of the human brain. Even minor impairments in this ability profoundly affect the individual's

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functioning in
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society as
demonstrated
by psychiatric
and
neurological
syndromes
involving
agency
disturbances
(Della Sala et
al., 1991;

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Franck et al.,
2001; Frith,
2005; Sirigu
et al., 1999).

But the sense
of agency also
plays a role
for cultural
and religious
phenomena such
as voodoo,
superstition

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and gambling,
in which
individuals
experience
subjective
control over
objectively
uncontrollable
entities
(Wegner,
2003).
Furthermore,

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it plays into
ethical and
law questions
concerning
responsibility
and guilt. For
these reasons
a better
understanding
of the sense
of agency has
been important

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for neuroscien
tists,
clinicians,

philosophers
of mind and
the general
society alike.

Significant
progress has
been made in
this regard.
For example,

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philosophical
scrutiny has
helped

establish the
conceptual
boundaries of
the sense of
agency (Bayne,
2011;
Gallagher,
2000, 2012;
Pacherie 2008;

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Synofzik et
al., 2008) and
A Review
scientific

investigations
have shed
light on the
neurocognitive
basis of sense
of agency
including the
brain regions
supporting

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Binding And The
sense of
agency
(Chambon et

al., 2013;
David et al.,
2007; Farrer
et al., 2003,
2008; Spengler
et al., 2009;
Tsakiris et
al., 2010;
Yomogida et

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Binding And The
al., 2010).
Sense Of Agency
A Review

Despite this progress there remain a number of outstanding questions such as:

- Are there cross-cultural differences in the sense of

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agency? • How

does the sense

of agency

develop in

infants or

change across

the lifespan?

• How does

social context

influence

sense of

agency? • What

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neural
Sense Of Agency
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networks

support sense

of agency

(i.e.,

connectivity

and

communication

between brain

regions)? •

What are the

temporal

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dynamics with
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respect to
neural
processes
underlying the
sense of
agency (i.e.
the what and
when of agency
processing)? •
How can
different cue

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models of the
sense of
agency be
further
specified and
empirically
supported,
especially
with regards
to cue
integration/
weighting? •

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What are the applications of sense of agency research (clinically, engineering etc.)? The concept of the sense of agency offers intriguing

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avenues for
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knowledge
transfer

across
disciplines
and interdisci-
plinary
empirical
approaches,
especially in
addressing the
afore-

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mentioned
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outstanding
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questions. The aim of the present research topic is to promote and facilitate such interdisciplinarity for a better understanding

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of why and how
Sense Of Agency
we typically
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experience our
own actions so
naturally and
undoubtedly as
"ours" and
what goes awry
when we do
not. We, thus,
welcome
contributions

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from, for
example, (i)
neuroscience
and psychology
(including
development
psychology/
neuroscience),
(ii)
psychiatry and
neurology,
(iii)

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philosophy,
Sense Of Agency
(iv) robotics,
A Review
and (v)

computational
modeling. In
addition to
empirical or
scientific
studies of the
sense of
agency, we
also encourage

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theoretical
contributions
including
reviews,
models, and
opinions.

Our ability to
acknowledge
and recognize
our own
identity --
our "self" --

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is a
characteristic
doubtless
unique to
humans. Where
does this
feeling come
from? How does
the
combination of
neurophysiolog
ical processes

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coupled with
our
interaction
with the
outside world
construct this
coherent
identity? We
know that our
social
interactions
contribute via

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the eyes,
ears, etc.

However, our
self is not
only
influenced by
our senses. It
is also
influenced by
the actions we
perform and
those we see

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others
Sense Of Agency
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perform. Our
brain

anticipates
the effects of
our own
actions and
simulates the
actions of
others. In
this way, we
become able to

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understand
ourselves and
to understand
the actions
and emotions
of others.
This book
describes the
new field of
"Motor
Cognition".
Though motor

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actions have
long been
studied by neu
roscientists
and
physiologists,
it is only
recently that
scientists
have
considered the
role of

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actions in
Sense Of Agency
A Review

building the
self. How
consciousness
of action is
part of self-c
onsciousness,
how one's own
actions
determine the
sense of being
an agent, how

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actions
Sense Of Agency
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performed by
others impact
on ourselves
for
understanding
others, differ
entiating
ourselves from
them and
learning from
them: these

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questions are
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discussed

throughout the
book, drawing
on
experimental,
clinical, and
theoretical
bases. The
advent of new
neuroscience

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techniques,
such as
neuroimaging
and direct
electrical
brain
stimulation,
together with
a renewal of
behavioral
methods in
cognitive

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psychology,
Sense Of Agency
provide new
A Review
insights into

this area.

Mental imagery
of action, self-
recognition,
consciousness
of actions,
imitation can
be objectively
studied using

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these new tools. The results of these investigations shed light on clinical disorders in neurology, psychiatry, and in neuro-development.

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Virtual and
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Augmented
Reality
A Review
methods in
Neuroscience
and
Neuropathology
Toward Action-
Oriented Views
in Cognitive
Science
The

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Relationship
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Between Neural
Circuitry and
Biomechanical
Action
In Search of a
Mechanism:
From the Brain
to the Mind
What Makes
Time Special?
Common

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Mechanisms in
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Perception and
Action
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*This book
constitutes the
refereed
proceedings of
the 11th
International
Conference on
Social
Robotics, ICSR*

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2019, held in
Madrid, Spain,
in November
2019. The 69
full papers
presented were
carefully
reviewed and
selected from
92 submissions.
The theme of
the 2018
conference is:

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Friendly
Robotics. The
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*papers focus on
the following
topics:*

*perceptions and
expectations of
social robots;
cognition and
social values
for social
robots; verbal
interaction*

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*with social
robots; social
cues and design
of social
robots;
emotional and
expressive
interaction
with social
robots;
collaborative
SR and SR at
the workplace;*

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game approaches
and
applications to
HRI;

applications in
health domain;
robots at home
and at public
spaces; robots
in education;
technical
innovations in
social

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*robotics; and
privacy and
safety of the
social robots.
This volume
focuses on a
subject at the
heart of
psychological
research into
human performan
ce--the
interplay*

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between perception and action. What are the mechanisms that translate the information we receive via our senses into physical actions? How do the mechanisms responsible for

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*producing a
response from a
given stimulus
operate? Within
this volume,
state of the
art and cutting
edge research
from leading
scientists in
cognitive
psychology and
cognitive*

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Binding And The

neuroscience is

presented

describing the

approaches

being taken to

understanding

the mechanisms

that allow us

to negotiate

and respond to

the world

around us.

(Midwest).

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*Personality and
the Sense of Agency
Determinant
s of*

*Intentional
Binding as a
Proxy for*

*Dopaminergic
States The Sense
of Agency Oxford*

University

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Press
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*This book is
based on an in-
depth filmed
conversation
between Howard
Burton and
Chris Frith,
Emeritus
Professor of
Neuropsychology
at University
College London*

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*and Honorary
Sense Of Agency,
Research Fellow
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at the
*Institute of
Philosophy,
School of
Advanced Study,
University of
London. After
an interesting
exploration of
how Chris Frith
became*

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*interested in
the study of
schizophrenia,
this detailed
conversation
examines topics
such how our
understanding
of
schizophrenia
has evolved,
the role of
dopamine, how*

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the brain works, the brain's predicting role, the phantom limb phenomenon, how the brain and mind link up, how culture affects the brain and much more. This care

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*fully-edited
book includes
an
introduction,
Eyes on the
Prize, and
questions for
discussion at
the end of each
chapter: I.
Becoming a
Psychologist -
From "min and*

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*crys" to
schizophrenia
II. Probing
Agency -
Predictions,
tickling and
dopamine III.
The Active
Brain - The
principal actor
in the theatre
of experience
IV. Ideal*

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Bayesian
Operators – How
our brains
trump our minds
V. *In Search of*
a Mechanism –
How to connect
the subpersonal
with the
personal VI.
Humanistic
Hubris –
Dancing bees,

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*stripping pine
cones and The
Royal Society
VII. Free Will
- And what it
means VIII. The
Very Big
Picture -
Towards a grand
unified theory
of psychology?
IX. Final
Thoughts -*

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*treatment and
open questions*

About Ideas

Roadshow

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Series: This

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Ideas Roadshow

conversations,

each one

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*presenting a
wealth of
candid insights
from a leading
expert through
a focused yet
informal
setting to give
non-specialists
a uniquely
accessible
window into
frontline*

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research and scholarship that wouldn't otherwise be encountered through standard lectures and textbooks. For other books in this series visit our website (<https://www.cambridge.org/9781107000000>)

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//ideas-on-film
.com/ideasroads
how/).

*Probabilistic
Perspectives on
Brain*

*(dys)Function
The Sense of
Agency*

*Experiencing
Video Games,
Film, and*

Television
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*Personality and
the Sense of
Agency*

*Behavioral
Methods in
Consciousness
Research*

4th

*International
Workshop,*

Symbiotic 2015,

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Binding And The
Berlin,
Germany,
October 7-8,
2015,

Proceedings

The field of
phenomenological
psychopathology (PP) is
concerned with
exploring and describing
the individual
experience of those
suffering from mental

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disorders. Whilst there is often an understandable emphasis within psychiatry on diagnosis and treatment, the subjective experience of the individual is frequently overlooked. Yet a patient's own account of how their illness affects their thoughts, values, consciousness, and sense of self, can provide

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important insights into their condition - insights that can complement the more empirical findings from studies of brain function or behaviour. The Oxford Handbook of Phenomenological Psychopathology is the first ever comprehensive review of the field. It considers the history of PP, its methodology, key concepts, and

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includes a section exploring individual experiences within schizophrenia, depression, borderline personality disorder, OCD, and phobia. In addition it includes chapters on some of the leading figures throughout the history of this field. Bringing together chapters from a global team of leading

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academics, researchers and practitioners, the book will be valuable for those within the fields of psychiatry, clinical psychology, and philosophy.

Conversations About Psychology, Volume 1, includes the following 5 carefully-edited Ideas Roadshow

Conversations featuring leading researchers. This

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collection includes a detailed preface highlighting the connections between the different books. Each book is broken into chapters with a detailed introduction and questions for discussion at the end of each chapter: 1. Believing Your Ears: Examining Auditory Illusions - A Conversation with Diana

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Deutsch, Professor of Psychology at UC San Diego and one of the world's leading experts on the psychology of music. This conversation provides behind the scenes insights into her discovery of a large number of auditory illusions, including the so-called Octave Illusion, which concretely illustrate how

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what we think we're hearing is often quite different from the actual sounds that are hitting our eardrums. 2. In Search of a Mechanism: From the Brain to the Mind - A Conversation with Chris Frith, Emeritus Professor of Neuropsychology at University College London and Honorary Research Fellow at the

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Institute of Philosophy,
School of Advanced
Study, University of
London. After an
interesting exploration
of how Chris Frith
became interested in the
study of schizophrenia,
this detailed
conversation examines
topics such how our
understanding of
schizophrenia has
evolved, the role of

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dopamine, how the brain works, the brain's

predicting role, the

phantom limb

phenomenon, how the

brain and mind link up,

how culture affects the

brain and much more. 3.

Understanding ADHD -

A Conversation with

Stephen Hinshaw,

Professor of Psychology

at UC Berkeley. Stephen

Hinshaw is an expert in

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the fields of clinical
child and adolescent
psychology and
developmental
psychopathology, as well
as stigma, preventive
interventions and
dehumanization related
to mental illness. This
extensive conversation
examines the facts and
misunderstandings
surrounding ADHD,
diagnosis and

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misdiagnosis, treatment,
Sense Of Agency
family responsibilities,
A Review
the subtitles of
medication, adult
ADHD, gender, what's
happening on an
international level and
finally the stigma of
mental illness. 4.

Applied Psychology:
Thinking Critically - A
Conversation with
Stephen Kosslyn, a
renowned psychologist

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Interview

and Founder, President
and Chief Academic
Officer of Foundry
College. This wide-
ranging conversation
explores Kosslyn and his
colleagues' extensive
analysis of research
results on the
differences between
what the top parts of the
brain and the bottom
parts of the brain do and
what the implications of

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those results are for everyday life which led to a new theory of personality called the Theory of Cognitive Modes. In addition the discussion covers how pedagogical principles were applied in the real world of learning and teaching by establishing Minerva Schools at KGI.

5. Mind-Wandering & Meta-Awareness - A

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Conversation with
Jonathan Schooler,
Professor of

Psychological and Brain
Sciences at the
University of California,
Santa Barbara. This
wide-ranging
conversation examines
how mind-wandering
can serve as a window
into the psychological
world of meta-
awareness. further topics

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include the nature of consciousness, mindfulness, creativity, free will, verbal overshadowing and more. Howard Burton is the founder and host of all Ideas Roadshow Conversations and was the Founding Executive Director of Perimeter Institute for Theoretical Physics. He holds a PhD in theoretical physics

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and an MA in
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philosophy.

When we perform an action that is followed closely by an event, we often have a sense of personal agency ("I caused that"). Though extensive research has examined the inferential process that gives rise to the conscious experience of agency (Wegner, 2002), little is known

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about the phenomenological aspects of this experience. Preliminary evidence suggests that intentional binding, a perceptual illusion in which one's action and a subsequent event seem closer in time than they really are (Haggard, Clark, & Kalogeras, 2002), may be a part of this experience--a

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hypothesis that the present research tested in four experiments. On each trial of a novel paradigm, subjects performed an action that, after a brief delay, was followed by an event. Then they were asked to estimate the length of this delay and to report the degree to which it felt as though their action had caused

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the event. Critically, situational cues to agency, such as whether or not an event was consistent with the subject's action, were manipulated to see whether they would affect self-reported agency and binding in similar ways. Also of interest was whether certain individual difference variables

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involving a distorted sense of agency, such as depression and narcissism, would moderate any effects found on binding.

Overall, the results supported the hypothesis that binding is a part of the experience of agency, while confirming the importance of several situational and

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individual difference variables to this experience. When the mind makes an inference of personal agency, it temporally binds action and event together, shaping the perception of time.

This book offers a broad overview of the field of cognitive engineering and neuroergonomics, covering emerging

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practices and future trends toward the harmonious integration of human operators and computational systems. It gathers both theoretical and practice-oriented studies on mental workload and stress, activity theory, human reliability, error and risk. It covers applications in various field, and corresponding

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strategies to make
assistive technologies
more user-oriented.

Further, the book
describes key advances
in our understanding of
cognitive processes,
including mechanisms
of perception, memory,
reasoning, and motor
response, with a
particular focus on their
role in interactions
between humans and

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other elements of
computer-based
systems. Gathering the
proceedings of the
AHFE 2021
Conferences on
Neuroergonomics and
Cognitive Engineering,
Industrial Cognitive
Ergonomics and
Engineering Psychology,
and Cognitive
Computing and Internet
of Things, held virtually

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on July 25-29, 2021,
from USA, this book
offers extensive
information and a
thought-provoking guide
for researchers and
practitioners in cognitive
engineering,
neuroergonomics and
their applications.

Applied Philosophy for
Health Professions
Education

Insights in Social

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Cognition: 2021
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A Review
Advances in
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Cognitive Engineering
Conversations About
Psychology, Volume 1
Spatial Biases in
Perception and
Cognition
Experts from a range
of disciplines assess
the foundations and

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implications of a
novel action-oriented
view of cognition.

Cognitive science is
experiencing a
pragmatic turn away
from the traditional re
presentation-centered
framework toward a
view that focuses on
understanding
cognition as
“enactive.” This

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enactive view holds that cognition does not produce models of the world but rather subserves action as it is grounded in sensorimotor skills. In this volume, experts from cognitive science, neuroscience, psychology, robotics, and philosophy of mind assess the

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foundations and
implications of a
novel action-oriented
view of cognition.
Their contributions
and supporting
experimental evidence
show that an enactive
approach to cognitive
science enables strong
conceptual advances,
and the chapters
explore key concepts

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for this new model of cognition. The contributors discuss the implications of an enactive approach for cognitive development; action-oriented models of cognitive processing; action-oriented understandings of consciousness and experience; and the

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accompanying
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paradigm shifts in the
fields of philosophy,
brain science,
robotics, and
psychology.

Contributors Moshe
Bar, Lawrence W.
Barsalov, Olaf
Blanke, Jeannette
Bohg, Martin V. Butz,
Peter F. Dominey,
Andreas K. Engel,

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Judith M. Ford, Karl J.

Friston, Chris D.

Frith, Shaun

Gallagher, Antonia

Hamilton, Tobias

Heed, Cecilia Heyes,

Elisabeth Hill, Matej

Hoffmann, Jakob

Hohwy, Bernhard

Hommel, Atsushi

Iriki, Pierre Jacob,

Henrik Jörntell,

Jürgen Jost, James

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Kilner, Günther
Knoblich, Peter
König, Danica Kragic,
Miriam Kyselo,
Alexander Maye,
Marek McGann,
Richard Menary,
Thomas Metzinger,
Ezequiel Morsella,
Saskia Nagel, Kevin J.
O'Regan, Pierre-Yves
Oudeyer, Giovanni
Pezzulo, Tony J.

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Prescott, Wolfgang

Prinz, Friedemann

Pulvermüller, Robert

Rupert, Marti Sanchez-

Fibla, Andrew

Schwartz, Anil K.

Seth, Vicky

Southgate, Antonella

Tramacere, John K.

Tsotsos, Paul F. M. J.

Verschure, Gabriella

Vigliocco, Gottfried

Vosgerau

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A Review

A unique exploration
of how the 'self'
influences

psychopathology,

psychotherapy,

emphasizing the need

to integrate self-

constructs into

evidence-based

conceptual models.

Philosophers and

neuroscientists

address central issues

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in both fields,
including morality,
action, mental illness,
consciousness,
perception, and
memory. Philosophers
and neuroscientists
grapple with the same
profound questions
involving
consciousness,
perception, behavior,
and moral judgment,

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but only recently have
the two disciplines
begun to work
together. This volume
offers fourteen
original chapters that
address these issues,
each written by a team
that includes at least
one philosopher and
one neuroscientist
who integrate
disciplinary

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perspectives and
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reflect the latest
research in both fields.

Topics include
morality, empathy,
agency, the self,
mental illness,
neuroprediction,
optogenetics, pain,
vision, consciousness,
memory, concepts,
mind wandering, and
the neural basis of

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psychological
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categories. The chapters first address basic issues about our social and moral lives: how we decide to act and ought to act toward each other, how we understand each other's mental states and selves, and how we deal with pressing social

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problems regarding crime and mental or brain health. The following chapters consider basic issues about our mental lives: how we classify and recall what we experience, how we see and feel objects in the world, how we ponder plans and alternatives, and how

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our brains make us
conscious and create
specific mental states.

Behavioral, language,
and reasoning are
expressions of neural
functions par
excellence, as the
brain must draw on
sensory modalities to
gather information on
the rest of the body
and on the outer

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world. Cortical areas processing the identity and location of the sensory inputs were once thought to be organized, with some branches dedicated to complex features. Yet current studies have uncovered synergistic effects at early-stage cognitions as well as higher-level

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association areas. A less hierarchical functional architecture of the brain has emerged such that, irrespective of sensory modality, inputs are assigned to the best suited cortical substrate.

Advances in
Cognitive Research,
Artificial Intelligence

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and Neuroinformatics
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Time and Causality
A Review
Attention and
Performance XIX
Agency and Media
Reception
A Journey Towards
Mutual Understanding
The Cambridge
Handbook of
Cognitive Science
This eBook is a
collection of articles

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Research Topic.
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Topics are very
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of the Frontiers
Journals Series:
they are collections
of at least ten
articles, all centered
on a particular
subject. With their
unique mix of varied

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contributions from
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Socially situated

thought and

behaviour are

pervasive and vitally

important in human

society. The social

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brain has become a focus of study for researchers in the neurosciences, psychology, biology and other areas of behavioural science, and it is becoming increasingly clear that social behaviour is heavily dependent on shared

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representations.
Any social activity,
from a simple
conversation to a
well-drilled military
exercise to an
exquisitely perfected
dance routine,
involves information
sharing between the
brains of those
involved. This
volume comprises a

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collection of cutting-
edge essays

centred on the idea
of shared
representations,
broadly defined.

Featuring
contributions from
established world
leaders in their
fields and written in
a simultaneously
accessible and

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detailed style, this is

an invaluable

resource for

established

researchers and

those who are new

to the field.

This book

constitutes the

proceedings of the

4th International

Workshop on

Symbiotic

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Interaction,
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Symbiotic 2015,
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held in Berlin,
Germany, in
October 2015. The
11 full papers and 8
short papers
presented in this
volume were
carefully reviewed
and selected from
23 submissions.
The papers present

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an overview of the symbiotic relationships between humans and computers as well as novel advancements. The idea of symbiotic systems put forward in this workshop capitalises on the computers' ability to implicitly detect the

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users goals and
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psycho-
physiological states
and thereby
enhancing human-
computer interaction
(HCI). A special
focus of this year's
Symbiotic Workshop
will be on
physiological
computing
approaches, e.g.

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using brain-
computer interface
(BCI) technology.

Agency has two meanings in psychology and neuroscience. It can refer to one's capacity to affect the world and act in line with one's goals and desires--this is the objective aspect

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of agency. But agency can also refer to the subjective experience of controlling one's actions, or how it feels to achieve one's goals or affect the world. This subjective aspect is known as the sense of agency, and it is

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an important part of what makes us human. Interest in the sense of agency has exploded since the early 2000s, largely because scientists have learned that it can be studied objectively through analyses of human judgment, behavior,

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and the brain. This

book brings together

some of the world's

leading researchers

to give structure to

this nascent but

rapidly growing field.

The contributors

address questions

such as: What role

does agency play in

the sense of self? Is

agency based on

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predicting outcomes
of actions? And

what are the links

between agency

and motivation?

Recent work on the

sense of agency

has been markedly

interdisciplinary.

The chapters

collected here

combine ideas and

methods from fields

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as diverse as
engineering,
psychology,
neurology,
neuroscience, and
philosophy of mind,
making the book a
valuable resource
for any student or
researcher
interested in action,
volition, and
exploring how mind

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and brain are
organized.
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Sense of Agency:
Examining
Awareness of the
Acting Self
Multisensory
Integration: Brain,
Body and the World
The Science of Lay
Theories
Social Robotics
Neuroscience and

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Philosophy
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11th International
Conference, ICSR
2019, Madrid,
Spain, November
26–29, 2019,
Proceedings

When someone
commits a crime,
what are the limits
on a state's
authority to define
them as worthy of

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blame, and thus liable to punishment? This book answers that question, building on two ideas familiar to criminal lawyers: actus reus and mens rea, usually translated as "guilty act" and "guilty mind." In *Guilty Acts, Guilty Minds*, Stephen P.

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Garvey proposes an understanding of actus reus and mens rea as limits on the authority of a state, and in particular the authority of a democratic state, to ascribe guilt to those accused of crime. Garvey argues that actus reus and mens rea

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are necessary
conditions for
legitimate state
punishment.

Drawing on the
work of political
philosophers, moral
philosophers, and
criminal law
theorists, Garvey
provides clear
explanations of
how these
concepts apply to a

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wide variety of cases. The book charges readers to consider practical examples and ask: whatever you believe regarding the justice of the rules, did the state act within the scope of its legitimate authority when it enacted those rules into

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law? Based on extensive research, this book presents a new theory in which the concepts of actus reus and mens rea mark the limits of state power rather than simply describe the elements of a crime. Making the compelling distinction between

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legitimacy and
justice, Guilty Acts,

Guilty Minds

provides an

important

perspective on the

limits of state

authority.

Sensorimotor

Foundations of

Social Life

Proceedings of the

9th International

Conference on

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Cognitive Sciences,
Intercognsci-2020,

October 10-16,

2020, Moscow,

Russia

An Exploratory

Study Into Sense of

Agency in

Depression Using

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The Self in

Understanding and

Treating

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Doing Things
Together