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Titolo	Neurobiology and treatment of traumatic dissociation : towards an embodied self / / Ulrich F. Lanius, Sandra L. Paulsen and Frank M. Corrigan, editors ; Sheri W. Sussman, acquisition editor ; Shelby Peak, production editor
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Disciplina	616.852306
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Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Cover; Title; Copyright; Contents; Contributors; Foreword; Preface; Reference; Introduction: The Ubiquity of Dissociation; Part I: Toward a Neurobiological Model of Dissociation; Dissociation-Multiple Phenomena; The Autonomic Nervous System (ANS)-Sympathetic, Dorsal Vagal, and Ventral Vagal; Ubiquity is Hardwired-Everybody Can Dissociate; Learned Helplessness (LH), Tonic Immobility (TI), and Anesthetic Neurochemicals; Severity of Peritraumatic Dissociation and Attachment; Integrative Capacity; Part II. Treatment: Being Embodied and Safely Telling the Truth Ebb and Flow, Affect Modulation, and the Window of ToleranceAssociation and Dissociation-Accelerator and Brakes; Integrating Different Information Processing Therapies; Body-Oriented and Somatic Therapies; Ego State Therapy; EMDR; Adjunctive Pharmacological Interventions-Opioid Antagonists; References; Part I: Neurobiology; Introduction: Dissociation and Neurobiology; Traumatic Dissociation; Peritraumatic Dissociation, Anesthetic Neurochemicals, and Structural Dissociation; Toward a Neurobiological Understanding; References

Chapter 1: Dissociation: Cortical Deafferentation and the Loss of SelfThe Brain-An Associative Organ; Loss of Integrative Capacity-Toward a Functional Mechanism of Dissociation; Brain Architecture Reflects Horizontal Layers; Brain Architecture Also Reflects Vertical Columns; Sensory Integration Plays a Critical Role in Horizontal and Vertical Integration; How Does the Brain Conduct Sensory Integration?; A Switchboard-The Role of the Thalamus in Vertical and Horizontal Integration; Superior (SC) and Inferior Colliculi (IC) and Sensory Integration
The Role of the Corpus Callosum in Horizontal IntegrationTrauma Impairs Sensory Integration; Trauma and Stress-The Role of Analgesic Neurochemicals; Sensory Integration Under Threat-Dissolution and the Loss of Higher Cortical Functioning; The Thalamus-Analgesic Chemicals and Retraction of Consciousness; PD-When the Thalamus Acts as Circuit Breaker for the Cortex; The Effect of Endogenous Opioids on Thalamic Function; The Role of the Thalamic Nuclei in Integrative Functioning of the Brain; Opioid Activation, Deafferentation, and Symptom Specificity
Pierre Janet-Field of Consciousness, Partial Catalepsy, and DeafferentationThe Nature of Affective Circuits and Structural Dissociation; Analgesic Response and Separate Self-States: ANPs and EPs; Truncated Affective Circuits, Structural Dissociation, and Self-States; Loss of Higher Cortical Functioning-Positive and Negative Symptoms; Somatoform Dissociation and Deafferentation; Summary and Future Directions; References; Chapter 2: Threat and Safety: The Neurobiology of Active and Passive Defense Responses; Case Summary: Defense Responses in Response to Social Threat
The Range of Defense Responses

Sommario/riassunto

Encompassing the contributions of expert clinicians and researchers in the area of traumatic stress and dissociation, this volume is the first to integrate current neuroscience research regarding traumatic dissociation with several cutting-edge approaches to treatment, providing a comprehensive, neurobiologically based treatment approach. The text discusses current neuroscientific research regarding traumatic stress and dissociation that includes attachment, affective neuroscience, polyvagal theory, structural dissociation, and information processing theory, yielding a comprehensive model that

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Autore	Andelfinger Philipp Josef
Titolo	Identifying and Harnessing Concurrency for Parallel and Distributed Network Simulation
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Sommario/riassunto	Although computer networks are inherently parallel systems, the parallel execution of network simulations on interconnected processors frequently yields only limited benefits. In this thesis, methods are proposed to estimate and understand the parallelization potential of network simulations. Further, mechanisms and architectures for exploiting the massively parallel processing resources of modern graphics cards to accelerate network simulations are proposed and evaluated.