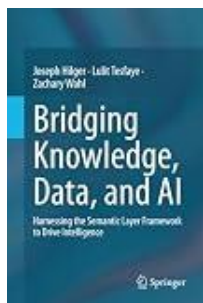


Science Collection



Bridging Knowledge, Data, and AI: Harnessing the Semantic Layer Framework to Drive Intelligence

Author: Joseph Hilger, Lulit Tesfaye and Zachary Wahl

Publisher: Springer Nature

Overview: Bridging Knowledge, Data, and AI: Harnessing the Semantic Layer Framework to Drive Intelligence serves as a practical blueprint for structuring organizational knowledge assets. The book details how combining taxonomies, business glossaries, metadata, and knowledge graphs creates a unified semantic layer that drives contextual accuracy, operational intelligence, and responsible enterprise AI adoption. [Read more.](#)

Acc. No: 103250

Call No: 006.3 HIL-B



Handbook of Satisfiability

Author: A. Biere and M. Heule

Publisher: IOS Press

Overview: Handbook of Satisfiability (2nd Edition) is the definitive reference text on propositional satisfiability (SAT). Spanning core theoretical foundations, advanced algorithmic techniques (CDCL, local search), SMT, QBF, and real-world verification encodings, the handbook captures the full breadth of automated reasoning technology in computer science.

Acc. No: 103248

Call No: 511.3 HAN-H



The Traveling Salesman Problem: A Computational Study

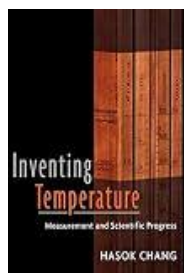
Author: David L. Applegate, Robert E. Bixby, Vášek Chvátal, and William J. Cook

Publisher: Princeton University Press

Overview: The Traveling Salesman Problem: A Computational Study is a definitive monograph detailing the history, theoretical breakthroughs, and computational methods used to solve large-scale instances of the TSP. The authors creators of the benchmark Concorde TSP Solver explain cutting-edge integer linear programming, cutting-plane algorithms, branch-and-cut strategies, and parallel computing techniques that allowed them to solve instances with up to 85,900 cities. [Read more.](#)

Acc. No: 103233

Call No: 511.6 APP-T



Inventing Temperature: Measurement and Scientific Progress

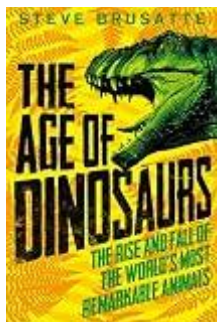
Author: Hasok Chang

Publisher: Oxford University Press

Overview: Inventing Temperature: Measurement and Scientific Progress by philosopher of science Hasok Chang explores how 18th- and 19th-century scientists defined, measured, and standardized temperature. Integrating history and philosophy of science (HPS), Chang demonstrates how researchers overcame circularity assessing thermometer accuracy without a pre-existing standard through an iterative process he terms epistemic iteration.

Acc. No: 103258

Call No: 536.5 CHA-I



The Age of Dinosaurs: The Rise and Fall of the World's Most Remarkable Animals

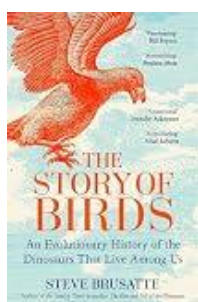
Author: Steve Brusatte

Publisher: Picador

Overview: The Age of Dinosaurs: The Rise and Fall of the World's Most Remarkable Animals by palaeontologist Steve Brusatte is a young reader's adaptation of his bestselling palaeontology history. The book guides readers through 150 million years of dinosaur evolution from their Triassic origins and Jurassic diversification to their Cretaceous extinction while explaining how modern technology helps palaeontologists discover and analyse fossil remains.

Acc. No: 103242

Call No: [567.9 BRU-A](#)



The Story of Birds: An Evolutionary History of the Dinosaurs That Live Among Us

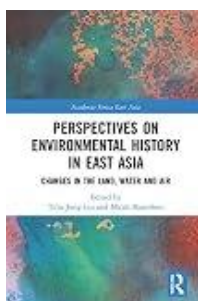
Author: Steve Brusatte

Publisher: Picador

Overview: Paleontologist Steve Brusatte traces the 150-million-year evolutionary trajectory of birds from small theropod dinosaurs to the modern species populating every continent today. Combining recent fossil discoveries with energetic science narrative, Brusatte documents the origin of feathers, the mechanics of powered flight, mass extinction survival, and prehistoric avian giants. [Read more.](#)

Acc. No: 103241

Call No: [568.2 BRU-S](#)



Perspectives on Environmental History in East Asia: Changes in the Land, Water and Air

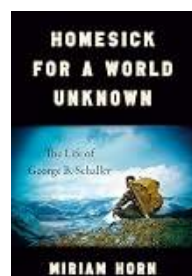
Editor: Ts'ui-jung Liu and Micah Muscolino

Publisher: Routledge

Overview: Perspectives on Environmental History in East Asia is an interdisciplinary essay collection edited by historians Ts'ui-jung Liu and Micah Muscolino. Analysing the reciprocal dynamics between human societies and natural ecosystems across East Asia, the volume examines historical transformations in land use, water resource management, and atmospheric and energy shifts from the early modern era to contemporary times. [Read more.](#)

Acc. No: 103278

Call No: [577.095 PER-P](#)



Homesick for a World Unknown: The Life of George B. Schaller

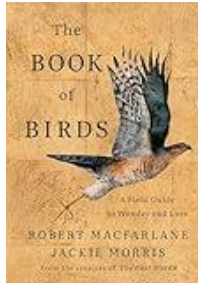
Author: Miriam Horn

Publisher: Penguin Press

Overview: A biographical portrait tracing the life and field methodology of George B. Schaller, considered a founding father of modern wildlife conservation. The book explores how Schaller's early experiences of displacement during World War II shaped his lifelong pursuit of immersive field research, establishing landmark conservation projects and national parks across four continents.

Acc. No: 103295

Call No: [590.92 HOR-H](#)



The Book of Birds: A Field Guide to Wonder and Loss

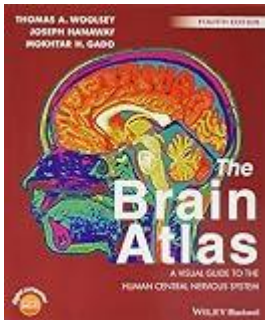
Author: Robert Macfarlane and Jackie Morris

Publisher: W.W. Norton and Company

Overview: A collaborative work of literary nature writing and fine art by writer Robert Macfarlane and artist Jackie Morris. Blending lyrical essays with gold-leaf and watercolour illustrations, the volume evokes the biological habits, cultural folklore, and ecological precarity of nearly fifty avian species, serving as both a celebrated natural history collection and an elegiac call for bird conservation.

Acc. No: 103315

Call No: [598 MAC-B](#)



The Brain Atlas: A Visual Guide to the Human Central Nervous System, 4th Edition

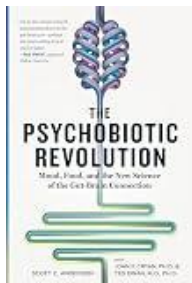
Author: Thomas A. Woolsey, Joseph Hanaway and Mokhtar H. Gado

Publisher: John Wiley and Sons

Overview: The Brain Atlas: A Visual Guide to the Human Central Nervous System by Thomas A. Woolsey, Joseph Hanaway, and Mokhtar H. Gado is a foundational reference work for human neuroanatomy. The volume seamlessly integrates gross neuroanatomy, neurovascular architecture, cross-sectional imaging (MRI/CT), histological staining, and neural pathways across more than 350 high-resolution figures to bridge basic neuroscience with clinical neurology and radiology. [Read more.](#)

Acc. No: 103251

Call No: [611.810222 WOO-B](#)



The Psychobiotic Revolution: Mood, Food, and the New Science of the Gut-Brain Connection

Author: Scott C. Anderson

Publisher: National Geographic

Overview: It explores the gut-brain axis, demonstrating how the intestinal microbiome directly influences mental health. The book provides evidence-based dietary strategies, prebiotic/probiotic interventions, and lifestyle adjustments to cultivate gut bacteria that alleviate anxiety, depression, and stress. [Read more.](#)

Acc. No: 103320

Call No: [612.32 AND-P](#)