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Titolo	Leitfaden Ko-Kreation: Urbane Transformationen mit Urban Design Thinking
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Sommario/riassunto	“Urban co-creation“ is en vogue. But how can it be achieved in planning practice? It requires methods that take the complexity of cities and their development into account and that, at the same time, have a low threshold for everyone to participate. The Urban Design Thinking (UDT) method is capable to include the needs of users in the development of their city within the framework of co-creative urban development and thus enables the generation of ideas for complex urban challenges. It was developed in 2015 by the Chair of Urban Renewal and Sustainable Development at the Technical University of Berlin, based on Stanford University’s Design Thinking method. UDT has already been applied in a variety of study and research projects, including the research project „Migrants4Cities“, which TU Berlin carried out together with the City of Mannheim and inter3 – Insitut für Ressourcenmanagement. This guide provides a practical overview of the application of UDT based on the project experiences of „Migrants4Cities“. It places the method in the context of co-creation in urban development. The necessary framework for a successful UDT process as well as the potential challenges are presented. Insights into UDT practice are provided by an overview of the ideas developed in the project „Migrants4Cities“ as well as an interactive UDT quick run-through, which, invites readers to try it out for themselves.

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Collana	Lecture Notes in Artificial Intelligence, , 2945-9141 ; ; 15541
Disciplina	006.3
Soggetti	Artificial intelligence Social sciences - Data processing Education - Data processing Computer engineering Computer networks Artificial Intelligence Computer Application in Social and Behavioral Sciences Computers and Education Computer Engineering and Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	-- Cognitive and Computational Foundations of Brain Science. -- Gossamer: Scaling Image Processing and Reconstruction to Whole Brains. -- Comparison of Haloperidol- Versus Phenazepam-induced Anxiolytic Effect on Rodent Behavior. -- Effect of Temporal Correlation on Motion Direction Flips in Bistable Stimuli. -- Unveiling the Role of Memory in Shaping Visual Perception: Empirical Insights. -- An Auxiliary Diagnosis Method for Mild Cognitive Impairment Based on Structural Magnetic Resonance Image. -- The Role of Executive Functions in Emotional Coregulation: Insights from an Adaptive Network Model. -- Identification and Evaluation of Multimodal Connectomics in Early Alzheimer's Dementia. -- Investigations of Human Information Processing Systems. -- Multiscale Temporal-convolution and Attention improved Neural Network for Biased Mental State Recognition. -- Sleep Apnea Detection from Single-lead ECG

Signal using Hybrid Deep CNN. -- When Sexy Avatars Get Weird: How Brain Asymmetry and Oculomotor Dynamics Navigate the Uncanny. -- Developing a Multi-Site Hyperscanning Procedure for Investigating Interbrain Synchrony Underlying Remote Social Interaction. -- Dual-Structural Representation Learning with Attention-Based Graph Fusion for Hierarchical MCI-AD Diagnosis. -- Neurocomputational Modelling of EEG Connectivity: Links Between Depression, Inflammation, and Gut Microbiome. -- Brain Big Data Analytics, Curation and Management. -- Design of an Iterative Method for Integrating Multi-Omic Data and Clinical Insights in Brain Disease Research. -- Multimodal Physiological Signal Analysis using Attention-Based Feature and Model Fusion. -- Topological and Graph Theoretical Analysis of Dynamic Functional Connectivity for Autism Spectrum Disorder. -- Deep Learning Methods to Evaluate Privacy and Quality of Skull-Stripped Brain Image. -- Topological Inference for Seizure Lateralization. -- Explainable GRU with Hybrid Attention and Memory-Augmented Network (xGRAM) for Cell Types Classification in Alzheimer's Disease Using Single-Nucleus Transcriptomics. -- BRAINEX: A Systematic Framework for CNN Models Evaluation and XAI Methods Comparison in Brain Age Prediction. -- Replication of the Hermann Grid Illusion By U-Net Deep Learning Architecture Performing Deblurring: A Low-Level Visual Task. -- SmartStitcher: A Terabyte-level 3D Microscopic Image Stitching Tool Based on Mixed-Max-Resolution. -- Informatics Paradigms for Brain and Mental Health Research. -- A Comparison of ANN-Optimization and Logistic Regression? – An Example of the Acceptance of EEG Devices. -- The Dynamics of Epigenetic Influence in Insomnia: A Higher-Order Adaptive Modeling Perspective. -- Higher-order Adaptive Dynamical System Modeling for the Role of Environmental Neurotoxic Pesticide Paraquat on the Epigenetics of Neurodegeneration in N27 Dopaminergic Cells. -- Advancing Mental Health Problems with Machine Learning and Genetic Algorithms for Anxiety Classification in Bangladeshi University Students. -- Empirical Insights into the Value of a Novel Compositional Data Approach for Analyzing Bipolar Likert Scale Data. -- From Alzheimer’s Disease to Frontotemporal Dementia: Transfer Learning in EEG-based Diagnosis of Dementia. -- Brain-Machine Intelligence and Brain-Inspired Computing. -- A Novel Class Incremental Learning Method via Multi-granularity Balance Inspired by Human Granular Cognition Mechanism. -- A Computational Model for Estimating NMDA Properties from Local Field Potential Spectra. -- Modelleyen: Continual Learning and Planning via Structured Modelling of Environment Dynamics. -- Evaluating the Potential of Low-Cost BCI Devices for Online Classification of Four-Class Motor Imagery States. -- Gradient Ascent Activity-based Credit Assignment with History-dependent Reward. -- EEG Biomarkers based on Microstates and RQA. -- Evaluating Feature Importance in the Context of Simulation-Based Inference for Cortical Circuit Parameter Estimation.

Sommario/riassunto

This book constitutes the proceedings of the 17th International Conference on Brain Informatics, BI 2024, which was held in Bangkok, Thailand, during December 13–15, 2024. The 35 full papers and 17 workshop papers presented in this book were carefully reviewed and selected from 126 submissions. These papers have been organized in the following topical sections: Pat I- Cognitive and Computational Foundations of Brain Science; Investigations of Human Information Processing Systems; Brain Big Data Analytics, Curation and Management; Informatics Paradigms for Brain and Mental Health Research; Brain-Machine Intelligence and Brain-Inspired Computing. Part II- The International Workshop on Generative AI Empowers Brain Signal Processing (GAIEBSP 2024); The International Workshop on Web

Intelligence meets Brain Informatics (WImeetsBI 2024); The 4th Workshop on Environmental Adaptation and Mental Health (EAMH 2024); The International Workshop on Application of Artificial Intelligence and Innovative Technologies in Brain Informatics and Health (AAIITBIH 2024); The International Workshop on Reconstruction and Modeling of the Brain at the Single-Cell Level (RMBSCL 2024); The International Workshop on Mesoscopic Brain-wide Connectivity Atlas in Brainsmatics (MBCAB 2024); The 4th Special Session on Explainable Artificial Intelligence for Unveiling the Brain: From the Black-Box to the Glass-Box (XAIB 2024); The International Workshop on Elucidation of Mechanistic Information using Neuroimaging for Psychiatric Disorders (EMINPD 2024).