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Titolo	Brain and Mental Health in Ageing // edited by Gurcharan Kaur, Suresh I. S. Rattan
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
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Descrizione fisica	1 online resource (515 pages)
Collana	Healthy Ageing and Longevity, , 2199-9015 ; ; 21
Disciplina	612.82
Soggetti	Mental health Aging Medicine - Research Biology - Research Quality of life Neuropsychology Mental Health Ageing Biomedical Research Quality of Life Research Translational Research
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Part-1: Concepts, definitions and historical perspectives -- Chapter-01: Defining, re-defining, and understanding the brain and mental health during ageing -- Chapter-02: Social, historical and anthropological aspects of research on the brain and ental health in aging -- Chapter-03: Understanding hormesis for optimizing brain health -- Part-2: Biological modulators of the ageing brain -- Chapter-04: Dietary constituents for mental health promotion and healthy ageing -- Chapter-05: Physical activity and dietary interventions for mental health in ageing and longevity -- Chapter-06: Immunity, immunosenescence, brain and cognitive/mental health -- Chapter-07 Neurovirology and Brain Health – A Microglial Perspective -- Chapter-08: Gut microbiota-brain axis in healthy aging -- Chapter-09:

Connexin-mediated nuroglial gap Junction communication: Unravelling its significance in brain health and aging -- Chapter-10: Maintenance of mitochondrial dynamics for healthy brain aging -- Part-3: Brain health maintenance, promotion and recovery in ageing -- Chapter-11: Phytochemicals and vitagenes for a healthy brain -- Chapter-12: Infection, neuroinflammation and interventions for healthy brain and longevity -- Chapter-13: Nutraceuticals as an intervention for healthy brain aging -- Chapter-14: Pharmacological interventions for maintaining brain health in ageing -- Chapter-15: Sleep and circadian rhythms as modulators of mental health in Ageing -- Part-4: Mental health maintenance, promotion and recovery in ageing -- Chapter-16: The impact of psychopathology and psychological well-being on cognitive health -- Chapter-17: The neuroscience of positive emotions and gratitude in healthy ageing and longevity -- Chapter-18: Cognitive profiles across normal and unhealthy ageing -- Chapter-19: Sleep and Mental Health in the Aging Population -- Chapter-20: Brain health of women beyond middle age: hormonal and non-hormonal perspective -- Chapter-21: Psychobiotics: a restorative intervention for lifestyle-induced deteriorations of mental health -- Chapter-22: Autism and ADHD in old age -- Chapter-23: Epigenetic regulation of age-associated neuropsychiatric disorders.

Sommario/riassunto

This volume in the book series Healthy Ageing and Longevity focuses on the interaction and co-dependence of the brain and mental health during ageing. A wide-range of topics discussed here include conceptual and historical understanding, descriptive analyses, and evidence-based interventions for the maintenance, enhancement and recovery of the brain and mental health, especially in old age. The emphasis is on the effective biological and psycho-social lifestyle factors, and complementary medicine and traditional cultural practices that could be health beneficial. Potential readership includes the early stage- and experienced researchers in biogerontology and cognitive sciences, and college/university teachers, medical practitioners, health care personnel, and public educationists. .

2. Record Nr.	UNINA9911004786803321
Titolo	The Future of Labour : How AI, Technological Disruption and Practice Will Change the Way We Work
Pubbl/distr/stampa	Oxford : , : Taylor & Francis Group, , 2025 ©2025
ISBN	1-04-037801-3
Edizione	[1st ed.]
Descrizione fisica	1 online resource (307 pages)
Altri autori (Persone)	HatzigeorgiouAndreas
Disciplina	006.3
Soggetti	Artificial intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Cover -- Endorsement -- Half Title -- Title Page -- Copyright Page -- Dedication -- Table of Contents -- List of Illustrations -- Foreword I -- Navigating the New Frontier of the Transformative Labour Landscape -- Foreword II -- Shaping the Future of Work -- Letter From the Editors -- Acknowledgements -- About the Editors -- List of Contributors -- 1 Introduction: The Way Disruption, Technology and Practice Will Change the Way We Work in the Future -- 1.1 Introduction -- 1.2 Terminology -- 1.3 History -- 1.3.1 The History of AI -- 1.3.2 The History of Work -- 1.4 The Substitution of Labour -- 1.5 New Occupations in an AI-Driven World -- 1.6 The Dual Nature of Technological Progress -- 1.7 Premise -- 1.8 Chapter Overviews -- 1.8.1 The Future of Society and Economy -- 1.8.2 The Future Way of Working -- 1.8.3 New Uses of AI and Technology in Labour -- References -- Part I The Future of Society and Economy -- 2 Innovation and Destruction: Technology, Ecology, and the Future of Social Labour -- 2.1 Introduction -- 2.2 Physical Labour, the Machine, and the British Industrial Revolution -- 2.3 Cotton Textiles and Mechanisation During the British Industrial Revolution -- 2.4 Metals and Steam -- 2.5 Concluding Remarks: Mechanising Intelligence and the Future of Intellectual Labour -- References -- 3 Smart Money -- 3.1 Autonomous Money -- 3.2 Why Money Autonomy Matters -- 3.3 Developments in Money -- 3.4 The New Smartness -- 3.5 What Smart Money Looks Like -- 3.6 The World of Smart Money -- Notes -- References -- 4 AI and the Future of Society and Economy --

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5 Work and Workers in the Age of AI: The Influence of Technology, Trade, and Institutions -- 5.1 Introduction -- 5.2 The Stage of Development of the New Technology -- 5.3 The Relationship of a Country to the World Economy -- 5.4 National Political and Economic Institutions -- 5.5 Conclusion -- References -- 6 AI and Welfare States: Curse, Solutions Or Both? -- 6.1 Introduction -- 6.2 Method -- 6.3 Results -- 6.3.1 Change in Number, Types and Quality of Jobs -- 6.3.2 AI and Administration -- 6.3.3 AI and Welfare Services -- 6.3.4 Financing the Welfare States -- 6.4 Conclusion -- Note -- References -- Part II The Future Way of Working -- 7 Interactions Reimagined: The Impact of Hybrid Work On Team Communication and Coordination -- 7.1 Introduction -- 7.2 The Rise of Remote Work -- 7.2.1 Emergence of Hybrid Work -- 7.2.2 Benefits and Challenges of Remote Work -- 7.2.3 Evidence Supporting the Permanence of Hybrid Work -- 7.2.4 Potential Disruptions and Future Trends -- 7.3 Productivity and Hybrid Work -- 7.3.1 Defining Productivity in the Context of Hybrid Work -- 7.3.2 Impact of Hybrid Work On Productivity Across Various Job Types -- 7.4 Communication and Productivity in Organisations -- 7.4.1 Importance of Communication in a Hybrid Work Environment -- 7.4.2 Evolution of Communication Tools Supporting Hybrid Work -- 7.4.3 Best Practices for Effective Communication in Hybrid Work -- 7.4.4 Case Studies: Successful Communication Strategies in Hybrid Work -- 7.5 Evolution of Tasks and Jobs in the Emerging Economy -- 7.5.1 Evolving Tasks in the Hybrid Work Environment -- 7.5.2 Acemoglu and Restrepo's Framework -- 7.5.3 Implications for the Hybrid Economy -- 7.6 Conclusion -- Note -- Acknowledgements -- References -- 8 Young Workers Want To Be in the Office: An Investigation Based On Swedish Survey Data -- 8.1 Introduction -- 8.2 Methods (And/or Material). 8.3 Results -- 8.4 Discussion -- 8.5 Conclusion -- Acknowledgements -- References -- 9 The Possible Futures for Gig Work: Digital Platform Labour and Its Regulation -- 9.1 Introduction -- 9.1.1 Background and Characteristics of Digital Labour Platforms -- 9.1.2 Development of Misclassification Litigation -- 9.1.3 The Gig Battles of California -- 9.1.4 Regulation of Platform Work Around the World -- 9.1.5 The Way Forward for the Future of the Gig Economy -- 9.2 Discussion -- 9.2.1 The Proposed Intervention of the UN-ILO and Similarities to Maritime Regulations -- 9.2.2 GDPR -- 9.2.3 Best Practices and the Business Case for Emerging Labour Standards -- 9.3 Conclusion -- Acknowledgements -- References -- Part III New Uses of AI and Technology in Labour -- 10 AI and the Future of Work: How Organisational Structures and the Role of Humans Transform in the Age of AI -- 10.1 Introduction -- 10.2 Discussion -- 10.2.1 A Time of Paradigm Shifts Induced By Climate Change and Artificial Intelligence -- 10.2.2 AI Can Centralise - Or Decentralise - Power and Resources -- 10.2.3 From Digital Transformation to Societal and Human Transformation -- 10.2.4 Is Human Nature Condemned to Competition? -- 10.2.5 Capitalism, Science, Technology, and Democracy: Are They the Reason for the Looming Existential Threats? -- 10.2.6 AI Could Create Dictatorship Or Democratise and Distribute Resources -- 10.2.7 Will AI Lead Us to Self-Extinction Or a New Level of Democracy? -- 10.2.8 Switching From Commercial Hacking of Our Brains to Social Good -- 10.2.9 AI Replicates Human Senses and Enables More Efficient Communication -- 10.2.10 How AI Will Affect Human Development -- 10.2.11 The Rise of Artificial Emotional

Intelligence -- 10.2.12 Organisational Systems Must Align With Human Needs -- 10.2.13 Collective Approaches to Leadership. 10.2.14 How Do Stock Listed Companies Adopt to New Technology? -- 10.2.15 How Do Traditional Organisations Adopt to New Technology? -- 10.2.16 From Hierarchical to Fluid Decentralised Networks -- 10.2.17 Artificial Intelligence Vs Human Intelligence: How Should We Collaborate? -- 10.2.18 AI Will Connect Strategy to Competence -- 10.2.19 AI Now Puts the Light On Actual Skills and Abilities -- 10.2.20 The Rise of "Community Gardeners" and "Collaboration Facilitators" -- 10.2.21 Each Task Has a Value, Instead of Each Role -- 10.2.22 Everyone Could Be Four Times More Efficient -- 10.2.23 Chinese Company Haier Introduced an Innovative Internet-Based Management Model -- 10.2.24 Moving From Economies of Scale to Economies of Data -- 10.2.25 Europe Needs Its Own Digital Infrastructure to Ensure More Control Over AI -- 10.2.26 Four Day Work Weeks Proves Improved Self-Rated Physical and Mental Health -- 10.2.27 Demographic Changes Is Already Challenging Our Welfare System -- 10.2.28 Digitalisation and Robots Have Changed Medical Care and AI Will Change It Even More -- 10.2.29 Recruiting, Onboarding, and Learning in an AI-World -- 10.2.30 Performance Management and Ethics in an AI World -- 10.3 Conclusion -- Acknowledgements -- References -- 11 The Rise of Cyborg Marketers: A Marketer's Guide to Survive and Thrive in the Era of AI -- 11.1 Introduction -- 11.2 Methods -- 11.3 Our Relationship With Technology -- 11.3.1 Paradox of Technological Advancement -- 11.4 Treading Into the AI Playground -- 11.4.1 Study Analysis: AI Impact On Marketing Professions -- 11.4.2 AI Took Over the "Monkey Work" -- 11.4.3 Use Case Analysis: Human and AI Interaction Principles -- 11.4.3.1 From AI Outputs Into Human Cognitive Systems -- 11.4.3.2 From Human Inputs Into AI Systems -- 11.4.3.3 Mutual Integration Principles -- 11.4.4 What Is Left for Humans?. 11.5 AI Spurs Upskilling of Marketers -- 11.5.1 A Short Story About AI Evolution -- 11.5.2 The Need for Marketers to Evolve With AI -- 11.6 The Power of Creativity -- 11.6.1 Defining Creativity -- 11.6.2 The Role of Creativity in Business Success -- 11.6.3 Case Analysis: Amazon and Its Creative Diversifications -- 11.6.4 Mastering Creativity in Marketing to Outpace AI -- 11.7 Cyborg Marketers Are Here -- 11.8 Conclusion -- References -- 12 Value Chains of AI: Data Training Firms, Platforms, and Workers -- 12.1 Introduction -- 12.2 Understanding Value Chains of AI -- 12.3 Data Training Firms -- 12.4 Platforms -- 12.5 Conclusion: Workers' Futures in AI Value Chains -- Notes -- Acknowledgements -- References -- 13 Re-Skilling Human Capital for Inclusive Economic Growth in the Face of Emerging Agricultural Automation in Africa: The Tanzania Perspective -- 13.1 Introduction -- 13.2 Methods -- 13.3 Results and Discussion -- 13.3.1 Evolution of Agricultural Automation -- 13.3.2 Farm Operations Performed By Automations -- 13.3.2.1 Planting Automation -- 13.3.2.2 Weeds Control and Spraying Robots -- 13.3.2.3 Agricultural Crops Harvest Automation -- 13.3.3 Status of Agricultural Automation in Tanzania -- 13.3.4 Agricultural Automation Threatening Human Jobs -- 13.3.5 Potentials of Agricultural Automations Displacing Farming Jobs in Tanzania -- 13.4 Conclusion -- Acknowledgements -- References -- 14 Circular Material Flows, the Twin Transition of Manufacturing, and the Future of Labour: Insights From a Case Study of the Peniche Ocean Watch Initiative -- 14.1 Introduction -- 14.2 Ocean Plastics: A Brief Background -- 14.3 Sustainability On the Agenda, But What About Circularity? -- 14.4 Re-Routing the Tide for Community Resilience: Re-Imagining Waste as a Valuable Resource Through the Twin

Transformation of Manufacturing.

14.5 Peniche Ocean Watch Initiative: Driving Change Through Engaged Scholarship.

Sommario/riassunto

This book offers a forward-looking exploration of how AI, digitalisation and technological transformation are reshaping the future of work. Through a series of studies conducted by scientists and industry professionals, it explores issues related to new policies, AI and the digital transformation's anticipated impact on the labour market.
