CONTENTS

Introduction

I. BASICS

I ANALY STATES THE STATES

| Ι. | Start Overview; Summary | 5 |
|----|---|----|
| 2. | Modes Precedents; Prior Eras; Our Era; Era Values; Dreamtime; Limits | 13 |
| 3. | Framing Motivation; Forecasting; Scenarios; Consensus; Scope; Biases | 31 |
| 4. | Assumptions Brains; Emulations; Complexity; Artificial Intelligence | 45 |
| 5. | Implementation Mindreading; Hardware; Security; Parallelism | 55 |

II. PHYSICS

| 6. | Scales Speeds; Bodies; Lilliput; Meetings; Entropy; Miserly Minds | 69 |
|-----|---|-----|
| 7. | Infrastructure Climate; Cooling; Air and Water; Buildings; Manufacturing | 85 |
| 8. | Appearances Virtual Reality; Comfort; Shared Spaces; Merging Real and Virtual | 99 |
| 9. | Information Views; Records; Fakery; Simulations | 109 |
| 10. | Existence Copying; Rights; Many Ems; Surveillance | 119 |
| 11. | Farewells Fragility; Retirement; Ghosts; Ways to End; Defining Death; Suicide | 127 |

III. ECONOMICS

| 12. | Labor Supply and Demand; Malthusian Wages; First Ems; Selection; Enough Ems | 143 |
|------------|--|-----------------|
| 13. | Efficiency Clan Concentration; Competition; Efficiency; Eliteness; Qualitie | 155 es |
| 14. | Work Work Hours; Spurs; Spur Uses; Social Power | 167 |
| 15. | Business Institutions; New Institutions; Combinatorial Auctions; Prediction Markets | 179 on |
| 16. | Growth Faster Growth; Growth Estimate; Growth Myths; Finance | 189 |
| 17. | Lifecycle Careers; Peak Age; Maturity; Preparation; Training; Childhood | 199 |
| | | |
| | IV. ORGANIZATION | |
| 18. | IV. ORGANIZATION Clumping Cities; City Structure; City Auctions; Choosing Speed; Transpor | 215 t |
| | Clumping | t 227 |
| 19. | Clumping Cities; City Structure; City Auctions; Choosing Speed; Transpor Groups Clans; Managing Clans; Firms; Firm-Clan Relations; Teams; Ma | t 227 |
| 19. 20. | Clumping Cities; City Structure; City Auctions; Choosing Speed; Transport Groups Clans; Managing Clans; Firms; Firm-Clan Relations; Teams; Ma Versus Niche Teams Conflict Inequality; Em Inequality; Redistribution; War; Nepotism; Fake | t 227 ass |

V. SOCIOLOGY

285

23. Mating

Sexuality; Open-Source Lovers; Pair Bonds; Gender; Gender Imbalance

CONTENTS

| | | 295 |
|-----|---|-----|
| | Signals Showing Off; Personal Signals; Group Signals; Charity; Identity Copy Identity | |
| 25. | Collaboration Ritual; Religion; Swearing; Conversation; On Call Advice; Synchronization | 309 |
| 26. | Society Culture; Divisions; Farmer-Like; Travel; Stories; Clan Stories | 321 |
| 27. | Minds Humans; Unhumans; Partial Minds; Psychology; Intelligence; Intelligence Explosion | 335 |

VI. IMPLICATIONS

| 28. Variations | 353 |
|--|----------------------|
| Trends; Alternatives; Transition; Enabling | Technologies; Aliens |
| 29. Choices Evaluation; Quality of Life; Policy; Charit | y; Success |
| 30. Finale Critics; Conclusion | 381 |
| References | 3 ⁸ 5 |
| Index | 417 |