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-- Factorization Properties of Symbolic Unfoldings of Colored Petri Nets  
-- Forward Analysis for Petri Nets with Name Creation -- Learning Workflow Petri Nets -- Process Mining from a Basis of State Regions -- Separability in Persistent Petri Nets -- New Algorithms for Deciding the Siphon-Trap Property -- Tool Papers -- AIPiNA: A Symbolic Model Checker -- Wendy: A Tool to Synthesize Partners for Services -- GreatSPN Enhanced with Decision Diagram Data Structures -- PNML Framework: An Extendable Reference Implementation of the Petri Net Markup Language.

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Autore Kohlhepp Gerd

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Nota di contenuto Frontmatter -- Editorial -- Contents -- Preface -- Foreword to Volume 2 -- I Amazônia Legal in the mid-1970s and 1980s -- 1. Alternative strategies to the colonisation policy of the Military Government -- 2. Polonoroeste: A new strategy of integrated rural development -- 3. Conflicts of interest at the Amazonian pioneer fronts in the 1980s -- 4. Mega-projects and their impact on the regional development in East Amazonia: The Grande Carajás programme (PGC) -- 5. The energy-related Plano 2010 and its possible impacts on Amazonia -- 6. The Significance of the New Constitution of 1988 for environmental policy in Amazonia -- II Promising environmental concepts for Amazonia under pressure by economic growth and agribusiness strategies (1990s–2018) -- 1. Previous international initiatives for the protection

of tropical rain forests -- 2. The International Pilot Programme to Conserve the Brazilian Rain Forests (PPG7: 1993–2009): An approach to sustainable regional development -- 3. Extensive infrastructure programmes as an extreme contrast to concurrent environmental policy measures -- 4. Private colonisation in Mato Grosso and expansion of agribusiness into the cerradão and tropical forest ecosystems -- 5. The new regional policy of the Plan of Sustainable Amazonia (PAS) -- 6. The hydroelectric power plant Belo Monte and its environmental and socio-ecological impacts -- 7. Population in Amazônia Legal 1970–2022 -- 8. Scientific research centres, research cooperation programmes and NGO activities in the Amazon region -- III Devastation and environmental degradation policies in Amazônia Legal during the Bolsonaro Government (2019–2022) -- 1. Chaotic activities of a decided enemy of sustainability in Amazonia -- 2. Destruction of tropical forest ecosystems due to logging and slash-and-burn activities -- 3. The ecological impacts of deforestation and problems of climate change -- 4. Threats to the Indigenous population and their habitats in Amazonia -- 5. Disagreements between donor countries and the Bolsonaro government regarding the Amazon Fund -- 6. The EU-Mercosur agreement failed under Bolsonaro's presidency -- 7. The situation of Amazônia Legal during the Bolsonaro Government and possible future perspectives -- IV Epilogue -- 1. Hopes after the change of government in 2023: Lula da Silva as game changer? -- 2. Concluding remarks -- Appendix -- References

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#### Sommario/riassunto

In the Brazilian planning region "Amazônia Legal", deforestation of rain forests for the extraction of mineral resources, cattle breeding, soybean farming, transport infrastructure and hydropower plants was carried out without regard for the indigenous people and regional socio-ecological vulnerability. The implementation of damaging mega-programmes caused disastrous environmental problems. Large-scale destruction of biodiversity, rising temperatures and instability of precipitation not only pose a threat to the region, but also have global impacts on climate change. Over the last two decades, parts of Amazônia Legal have evolved from a CO<sub>2</sub> sink to a source of CO<sub>2</sub> emissions.

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