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Nota di contenuto	Chapter 1. Recent Advances in the Emerging Field of Paleotempestology -- Chapter 2. Archival Evidence of Secular Changes in Georgia Hurricanes: 1750-2012 -- Chapter 3. Near-time Sea Surface Temperature and Tropical Cyclone Intensity in the Eastern North Pacific basin -- Chapter 4. Modern Tropical Cyclone Wind Observation and Analysis -- Chapter 5. Inland Tropical Cyclones and the “Brown Ocean” Concept -- Chapter 6. Typhoon/Hurricane Disaster Prediction and Prevention for Coastal, Offshore and Nuclear Power Plant Infrastructure -- Chapter 7. The use of Global Climate Models for Tropical Cyclone

Risk Assessment -- Chapter 8. High Resolution Multi-Decadal Simulations of Tropical Cyclones -- Chapter 9, Analysis of Atlantic Tropical Cyclone Landfall Forecasts in Coupled GCMs on Seasonal and Decadal Timescales -- Chapter 10. Tropical Cyclone Rainfall Changes in a Warmer Climate.

Sommario/riassunto

Tropical cyclones (including hurricanes) are becoming more destructive. Rising seas are resulting in greater storm surge inundation. More moisture-laden, warmer air is leading to heavier rains. There is also mounting evidence for more powerful winds and a greater incidence of the strongest storms. Do we fully understand these changes, and what will these changes mean for society? Arising from the 2024 Symposium on Hurricane Risk in a Changing Climate, this book contains new research on hurricane behavior, our vulnerability, and how we communicate the risk. This book is essential reading to understand the future of tropical cyclone risk and what it means for society.