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Autore	McGhee George R
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Nota di contenuto	Front matter -- Contents -- Preface -- CHAPTER 1. The Evolution of Life on Land -- CHAPTER 2. The Plants Establish a Beachhead -- CHAPTER 3. The First Animal Invasion -- CHAPTER 4. The First Catastrophe and Retreat -- CHAPTER 5. The Second Animal Invasion -- CHAPTER 6. The Second Catastrophe and Retreat -- CHAPTER 7. Victory at Last -- CHAPTER 8. The Legacy of the Devonian Extinctions -- Notes -- References -- Index
Sommario/riassunto	The invasion of land by ocean-dwelling plants and animals was one of the most revolutionary events in the evolution of life on Earth, yet the animal invasion almost failed-twice-because of the twin mass extinctions of the Late Devonian Epoch. Some 359 to 375 million years ago, these catastrophic events dealt our ancestors a blow that almost drove them back into the sea. If those extinctions had been just a bit more severe, spiders and insects-instead of vertebrates-might have become the ecologically dominant forms of animal life on land. This book examines the profound evolutionary consequences of the Late Devonian extinctions and the various theories proposed to explain their occurrence. Only one group of four-limbed vertebrates exists on Earth, while other tetrapod-like fishes are extinct. This gap is why the idea of "fish with feet" seems so peculiar to us, yet such animals were once a vital part of our world, and if the Devonian extinctions had not

happened, members of these species, like the famous Acanthostega and Ichthyostega, might have continued to live in our rivers and lakes. Synthesizing decades of research and including a wealth of new discoveries, this accessible, comprehensive text explores the causes of the Devonian extinctions, the reasons vertebrates were so severely affected, and the potential evolution of the modern world if the extinctions had never taken place.

2. Record Nr.	UNINA9911046551903321
Autore	Hammoudi Slimane
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Altri autori (Persone)	BrodskyAlexander FilipeJoaquim miaekMicha
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Nota di contenuto

-- Design and Software Engineering Experience Report: Designing and Implementing Data Registration via File Import in an Administrative e-Commerce System. -- A Comparative Analysis of the Interactive Web Maps (IWM) and Nielsen Sets. -- Driving the Emergence of Self-Managed Enterprises of Crowdworkers: A Survey and Review of Motivating Factors. -- Person-Dependent Mental Fatigue Assessment Based on Operator Vital Signs and Head State. -- Enhancing Logistics with Data-Driven Process Analysis and Knowledge-Based Methods. -- A Novel Approach to Reduce the Financial and Computational Costs of Similarity Queries over Document Collections in NoSQL Databases. -- Designing a Stablecoin Service Tailored for Cross-Chain Transactions. -- Enabling Value Chain Interoperability: Integrating and Evaluating Robust Data Governance Aspects into the Asset Administration Shell. -- Approaches to the Vehicle Routing Problem Using Heuristics and Ensemble Methods. -- Enriching ETL with Provenance Data. -- A BiLSTM Approach to Outfit Compatibility and Image Similarity. -- Blockchain-Powered Offloading: Smart Contracts for Transparent and Secure Operations in Oil and Gas Sector. -- A Clustering-Driven Performance Analysis Webapp for Sports and Activity Data. -- NoSQLconcepts: A Digital Teaching Platform for (No)SQL Databases. -- Data Symbion EI: Expanding Horizons with Deep Learning and Model Sharing. -- Conformance Checking with Time Attributes. -- A Practical Approach to Evaluate Operational Business-IT Alignment.

Sommario/riassunto

The two volume set LNBIP 566 - 567 constitutes the refereed post-conference proceedings of the 26th International Conference on Enterprise Information Systems, ICEIS 2024, which was held in Angers, France, during April 2024. The 19 full papers and 18 short papers presented were carefully reviewed and selected from 244 submissions. The proceedings also include one invited paper in full paper length. The purpose of the International Conference on Enterprise Information Systems (ICEIS) is to bring together researchers, engineers and practitioners interested in the advances and business applications of information systems, covering different aspects such as Enterprise Database Technology, Systems Integration, Artificial Intelligence, Decision Support Systems, Information Systems Analysis and Specification, Internet Computing, Electronic Commerce, Human-Computer Interaction and Enterprise Architecture.