1. Record Nr. UNINA9910139386903321 Autore Leddra Michael Titolo Time matters [[electronic resource]]: geology's legacy to scientific thought / / Michael Leddra Hoboken, NJ,: Wiley, 2010 Pubbl/distr/stampa 1-4443-2326-1 **ISBN** 1-283-20482-7 9786613204820 1-4443-2325-3 Descrizione fisica 1 online resource (xviii, 269 p.): ill., ports Disciplina 551.7/01 Soggetti Geological time Sequence stratigraphy Historical geology Earth Age Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Bibliographic Level Mode of Issuance: Monograph Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Preface. Acknowledgements. Introduction. 1 Geological time. 1.1 Introduction. 1.2 The historical perspective. 1.2.1 The march of the scientists. 1.2.2 The atomic age. 1.3 Geological time and the age of Mother Earth. 2 Dating rocks. 2.1 Introduction. 2.2 The nature of stratigraphy and the principles of relative dating. 2.3 Biostratigraphy. 2.4 Radiometric dating. 2.4.1 Potassium. 2.4.2 Rubidium. 2.4.3 Uranium. 2.4.4 Carbon. 2.4.5 Mass spectrometer. 2.5 Dating by fi ssion tracks. 2.6 Magnetism. 2.6.1 Thermal remnant magnetism. 2.6.2 Depositional remnant magnetism. 2.6.3 Palaeo-magnetism and Polar wandering. 3 The origins of the geological time scale. 3.1 Introduction. 3.2 Jurassic. 3.3 Carboniferous. 3.4 Triassic. 3.5 Tertiary. 3.6 Cambrian. 3.7 Silurian. 3.8 Devonian. 3.9 Permian. 3.10 Mississippian. 3.11 Quaternary, 3.12 Ordovician, 3.13 Cretaceous, 3.14

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Sommario/riassunto

This title covers subjects such as the age of the earth, catastrophism vs uniformitarianism, evolution vs creationism, plutonism vs neptunism, continental drift and plate tectonics. It covers the people involved, their ideas and the scientific and religious power politics involved in the development.