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Nota di contenuto	Dolomites: A Volume in Honour of Dolomieu; Contents; Introduction; Problems, progress and future research concerning dolomites and dolomitization; Dolomieu and the first description of dolomite; Summary; Sabkha, Evaporitic and Reflux Dolomitization Models; Salina sedimentation and diagenesis: West Caicos Island, British West Indies; Mechanisms of complete dolomitization in a carbonate shelf: comparison between the Norian Dolomia Principale (Italy) and the Holocene of Abu Dhabi Sabkha; Changing dolomitization styles from Norian to Rhaetian in the southern Tethys realm Distribution, petrography and geochemistry of early dolomite in cyclic shelf facies, Yates Formation (Guadalupian), Capitan Reef Complex, USAMixing-Zone and Seawater Dolomitization Models; Dolomitization by near-normal seawater? Field evidence from the Bahamas; Late Cenozoic dolomites of the Bahamas: metastable analogues for the genesis of ancient platform dolomites; Dolomitization caused by water circulation near the mixing zone: an example from the Lower Visean of

the Campine Basin (northern Belgium); Burial Dolomitization Models  
Burial dolomitization of the Middle Ordovician Glenwood Formation by  
evaporitic brines, Michigan Basin Petrographic, geochemical and  
structural constraints on the timing and distribution of postlithification  
dolomite in the Rhaetian Portoro ('Calcare Nero') of the Portovenere  
Area, La Spezia, Italy; Has burial dolomitization come of age? Some  
answers from the Western Canada Sedimentary Basin; Burial and  
hydrothermal diagenesis of Ordovician carbonates from the Michigan  
Basin, Ontario, Canada  
Progressive recrystallization and stabilization of early-stage dolomite:  
Lower Ordovician Ellenburger Group, west Texas Dolomite Reservoirs;  
Nature, origins and evolution of porosity in dolomites; Permeability and  
porosity evolution in dolomitized Upper Cretaceous pelagic limestones  
of Central Tunisia; Porosity evolution through hypersaline reflux  
dolomitization; Petrology and Geochemistry of Dolomites; Synthesis of  
dolomite and geochemical implications  
Discontinuous solid solution in Ca-rich dolomites: the evidence and  
implications for the interpretation of dolomite petrographic and  
geochemical data Rates of dolomitization: the influence of dissolved  
sulphate; Pervasive dolomitization of a subtidal carbonate ramp,  
Silurian and Devonian, Illinois Basin, USA; Dolomitization and Organic  
Matter; Organic matter distribution, water circulation and  
dolomitization beneath the Abu Dhabi Sabkha (United Arab Emirates);  
Burial dolomitization of organic-rich and organic-poor carbonates,  
Jurassic of Central Tunisia; Index

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Sommario/riassunto

This volume contains 23 state-of-the-art papers presented at the Dolomieu Conference on Carbonate Platforms and Dolomitization held in September 1991 in Ortisei, Italy. The conference was co-sponsored by the International Association of Sedimentologists (IAS) and the Society for Sedimentary Geology (SEPM), and marked the 200th anniversary of the 1791 paper by Deodat de Dolomieu describing dolomite in detail for the first time. The papers presented do not aim to give a complete review of the current state of the dolomitic art, but rather discuss important advances and gaps in our knowledge of d

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