

1. Record Nr.	UNINA9910823880903321
Titolo	Glacial sedimentary processes and products // edited by Michael J. Hambrey ... [et al.]
Pubbl/distr/stampa	Malden, MA ; ; Oxford, : IAS/Blackwell Pub., 2007
ISBN	9786612042447 9781444304435 1444304437 9781282042445 1282042440 9781444304442 1444304445
Edizione	[1st ed.]
Descrizione fisica	1 online resource (436 p.)
Collana	International Association of Sedimentologists special publications ; ; 39
Altri autori (Persone)	HambreyM. J
Disciplina	551.31/5
Soggetti	Drift Glacial landforms
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Special publication number 39 of the International Association of Sedimentologists." Papers presented at the International Conference on "Glacial Sedimentary Processes and Products" held at the University of Wales, Aberystwyth in August 2005.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	""Preface""; ""Foreword""; ""Introduction to Papers""; ""Part 1 Glacier dynamics and sedimentation""; ""Hydrological connections between Antarctic subglacial lakes, the flow of water beneath the East Antarctic Ice Sheet and implications for sedimentary processes""; ""Sedimentology, structural characteristics and morphology of a Neoglacial high-Arctic moraine-mound complex: Midre Lovenbreen, Svalbard""; ""A new laboratory apparatus for investigating clast ploughing""; ""Part 2 Modelling glaciers and ice sheets"" ""A coupled ice-sheet/ice-shelf/sediment model applied to a marine-margin flowline: forced and unforced variations""""A brief review on modelling sediment erosion, transport and deposition by former large ice sheets""; ""Part 3 Quaternary glacial systems""; ""Glaciomarine

sediment drifts from Gerlache Strait, Antarctic Peninsula";
""Sedimentary signatures of the Waterloo Moraine, Ontario, Canada"";
""Estimating episodic permafrost development in northern Germany during the Pleistocene""; ""Lake-level control on ice-margin subaqueous fans, glacial Lake Rinteln, Northwest Germany""
""Seasonal controls on deposition of Late Devensian Glaciolacustrine Sediments, Central Ireland""""Anatomy and facies association of a drumlin in Co. Down, Northern Ireland, from seismic and electrical resistivity surveys""; ""The Newbigging esker system, Lanarkshire, Southern Scotland: a model for composite tunnel, subaqueous fan and supraglacial esker sedimentation""; ""The age and origin of the Blakeney esker of north Norfolk: implications for the glaciology of the southern North Sea Basin""
""Sediments and landforms in an upland glaciated-valley landsystem: upper Ennerdale, English Lake District""""Part 4 Pre-Quaternary glacial systems""; ""Cenozoic climate and sea level history from glacial marine strata off the Victoria Land coast, Cape Roberts Project, Antarctica""; ""Glacial stress field orientation reconstructed through micromorphology and m X-ray computed tomography of till""; ""The Late Ordovician glacial sedimentary system of the North Gondwana platform""; ""The Ordovician glaciation in Eritrea and Ethiopia, NE Africa""
""Neoproterozoic glaciated basins: a critical review of the Snowball Earth hypothesis by comparison with Phanerozoic glaciations""""Index""

Sommario/riassunto

Associating ice masses with the transport and deposition of sediments has long formed a central theme in glaciology and glacial geomorphology. The reason for this focus is clear, in that ice masses are responsible for much of the physical landscape which characterizes the Earth's glaciated regions. This association also holds at a variety of scales, for example, from the grain-size characteristics of small-scale moraines to the structural architecture of large-scale, glacial sedimentary sequences in both surface and subaqueous environments. This volume brings numerous state-of-the-art research contributions together, each relating to a different physical setting, spatial scale, process or investigative technique. The result is a diverse and interesting collection of papers by glaciologists, numerical modellers and glacial geologists, which are all linked by the theme of investigating the relationships between the behaviour of ice masses and their resulting sedimentary sequences.
