1.	Record Nr.	UNISA996466641403316
	Titolo	Differential geometrical methods in mathematical physics : proceedings of the conference held at Aix-En-Provence, September 3-7, 1979 and Salamanca, September 10-14 1979 / / edited by P. L. Garcia, A. Perez-Rendon, J. M. Souriau
	Pubbl/distr/stampa	Berlin ; ; Heidelberg : , : Springer-Verlag, , [1980] ©1980
	ISBN	3-540-38405-7
	Edizione	[1st ed. 1980.]
	Descrizione fisica	1 online resource (XIV, 542 p.)
	Collana	Lecture Notes in Mathematics ; ; Volume 836
	Disciplina	516.36
	Soggetti	Geometry, Differential Mathematical physics
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Bibliographic Level Mode of Issuance: Monograph
	Nota di contenuto	Configuration spaces of identical particles -- The geometrical meaning and globalization of the Hamilton-Jacobi method -- The Euler-Lagrange resolution -- On the prequantum description of spinning particles in an external gauge field -- Classical action, the wu-yang phase factor and prequantization -- Groupes differentiels -- Representations that remain irreducible on parabolic subgroups -- Non-positive polarizations and half-forms -- Connections on symplectic manifolds and geometric quantization -- Geometric aspects of the feynman integral -- Relativistic quantum theory in complex spacetime -- Existence et equivalence de deformations associatives associees a une variete symplectique -- A new symplectic structure of field theory -- Conformal structures and connections -- Equilibrium configurations of fluids in general relativity -- Quaternionic and supersymmetric ? — models -- Supergravity as the gauge theory of supersymmetry -- Hypergravities -- Preface -- Preface -- Morse theory and the yang-mills equations -- Reduction of the yang mills equations -- Tangent structure of Yang-Mills equations and hodge theory -- Classification of gauge fields and group representations -- Gauge asthenodynamics (SU(2/1)) (classical discussion) -- Spinors on fibre bundles and their use in invariant models -- Glueing broken

symmetries together -- Deformations and quantization -- Stability theory and quantization -- Presymplectic manifolds and the quantization of relativistic particle systems -- Geometric quantisation for singular lagrangians -- Electron scattering on magnetic monopoles -- The metaplectic representation, weyl operators and spectral theory -- Supergravity: A unique self-interacting theory -- General relativity as a gauge theory -- On a purely affine formulation of general relativity -- A fibre bundle description of coupled gravitational and gauge fields -- Homogenous symplectic formulation of field dynamics and the poincaré-cartan form -- Spectral sequences and the inverse problem of the calculus of variations -- Geodesic fields in the calculus of variations of multiple integrals depending on derivatives of higher order -- Separability structures on riemannian manifolds.

2.	Record Nr.	UNINA9910299403003321
	Autore	Conyers Lawrence B
	Titolo	Ground-penetrating Radar and Magnetometry for Buried Landscape Analysis / / by Lawrence B. Conyers
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
	ISBN	3-319-70890-2
	Edizione	[1st ed. 2018.]
	Descrizione fisica	1 online resource (XII, 109 p. 68 illus., 66 illus. in color.)
	Collana	SpringerBriefs in Geography, , 2211-4165
	Disciplina	621.38485
	Soggetti	Geophysics Archaeology Geology Anthropology Geophysics/Geodesy
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di bibliografia	Includes bibliographical references at the end of each chapters.
	Nota di contenuto	Chapter 1 -- Introduction -- Chapter 2 -- Ground-penetrating Radar -- Chapter 3 -- Magnetometry -- Chapter 4 -- Small Roman Site in Croatia -- Chapter 5 -- Roman Temple in England -- Chapter 6 -- Early Colonial Site in Connecticut -- Chapter 7 -- Medieval site in Ireland -- Chapter 8 -- Hunter-gatherer Site in Colorado -- Chapter 9

-- Conclusions -- References.

Sommario/riassunto   This book presents the integrated use of magnetometry and ground-penetrating radar geophysical mapping to understand the human presence within buried archaeological landscapes. Ground-penetrating radar can be used to identify buried living surfaces, geological stratigraphy and the architectural remains of sites in three-dimensions. Magnetometry can produce images denoting differences on the composition of those materials, both anthropogenic and natural, but with more limited three-dimensional resolution. The integration of the two has a unique ability to resolve and interpret these buried materials, differentiated between the human-caused and natural layers, and place all buried features within historic landscapes. The final product of geophysical integration, along with some limited subsurface testing, produces a holistic analysis of human adaptations to, and modifications of, the ancient landscape. Examples are shown from sites in Roman Croatia and Britain, Medieval Ireland, Colonial Connecticut, and an Archaic site in the Colorado Rocky Mountains. These examples from very different environments, time periods and cultural groups illustrate how the integrated geophysical methodology can interpret, on a scale approaching many hectares, the ancient landscapes within which people lived.