

This volume contains invited lectures and selected research papers in the fields of classical and modern differential geometry, global analysis, and geometric methods in physics, presented at the 10th International Conference on Differential Geometry and its Applications (DGA2007), held in Olomouc, Czech Republic.

The book covers recent developments and the latest results in the following fields: Riemannian geometry, connections, jets, differential invariants, the calculus of variations on manifolds, differential equations, Finsler structures, and geometric methods in physics. It is also a celebration of the 300th anniversary of the birth of one of the greatest mathematicians, Leonhard Euler, and includes the Euler lecture "Leonhard Euler — 300 years on" by R Wilson. Notable contributors include J F Cariñena, M Castrillón López, J Eichhorn, J-H Eschenburg, I Kolář, A P Kopylov, J Korbaš, O Kowalski, B Kruglikov, D Krupka, O Krupková, R Léandre, Haizhong Li, S Maeda, M A Malakhaltsev, O I Mokhov, J Muñoz Masqué, S Preston, V Rovenski, D J Saunders, M Sekizawa, J Slovák, J Szilasi, L Tamássy, P Walczak, and others.

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Preface	v
Acknowledgments	vii
Leonhard Euler – 300 Years On <i>R. Wilson</i>	1
Part 1 Riemannian geometry, submanifolds	11
Curvature logarithmic derivatives of curves and isometric immersions <i>T. Adachi</i>	13
Global behaviour of maximal surfaces in Lorentzian product spaces <i>A.L. Albuje</i>	23
Invariant Einstein metrics on certain Stiefel manifolds <i>A. Arvanitoyeorgos, V.V. Dzhepko and Yu.G. Nikonorov</i>	35
Constant mean curvature submanifolds in (α, β) -Finsler spaces <i>V. Balan</i>	45
Generalized Einstein manifolds <i>C.-L. Bejan and T.Q. Binh</i>	57
Canonical almost geodesic mappings of type $\tilde{\pi}_1$ onto pseudo-Riemannian manifolds <i>V.E. Berezovski, J. Mikeš and A. Vanžurová</i>	65

On minimal hypersurfaces of hyperbolic space \mathbb{H}^4 with zero Gauss-Kronecker curvature <i>U. Dursun</i>	77
Structure of geodesics in the flag manifold $SO(7)/U(3)$ <i>Z. Dušek</i>	89
Global properties of the Ricci flow on open manifolds <i>J. Eichhorn</i>	99
Gauss maps and symmetric spaces <i>J.-H. Eschenburg</i>	119
Ricci flow on almost flat manifolds <i>G. Guzhvina</i>	133
Compact minimal CR submanifolds of a complex projective space with positive Ricci curvature <i>M. Kon</i>	147
Unique determination of domains <i>A.P. Kopylov</i>	157
Invariance of g -natural metrics on tangent bundles <i>O. Kowalski and M. Sekizawa</i>	171
Some variational problems in geometry of submanifolds <i>H. Li</i>	183
Generalized Veronese manifolds and isotropic immersions <i>S. Maeda and S. Udagawa</i>	197
Integral formulae for foliations on Riemannian manifolds <i>V. Rovenski and P. Walczak</i>	203
Part 2 Geometric structures	215
The prequantization of $T_k^1\mathbb{R}^n$ <i>A.M. Blaga</i>	217

Extension of connections <i>M. Doupovec and W.M. Mikulski</i>	223
Conformally-projectively flat statistical structures on tangent bundles over statistical manifolds <i>I. Hasegawa and K. Yamauchi</i>	239
Morphisms of almost product projective geometries <i>J. Hrdina and J. Slovák</i>	253
Flows of Spin(7)-structures <i>S. Karigiannis</i>	263
Connections on principal prolongations of principal bundles <i>I. Kolář</i>	279
The (κ, μ, ν) -contact metric manifolds and their classification in the 3-dimensional case <i>Th. Koufogiorgos, M. Markellos and V.J. Papantoniou</i>	293
Invariants and submanifolds in almost complex geometry <i>B. Kruglikov</i>	305
Hirzebruch signature operator for transitive Lie algebroids <i>J. Kubarski</i>	317
Quadratic Nambu-Poisson structures <i>N. Nakanishi</i>	329
Bochner-Kaehler metrics and connections of Ricci type <i>M. Panák and L.J. Schwachhöfer</i>	339
Special n -forms on a $2n$ -dimensional vector space <i>J. Vanžura</i>	353
Symmetries of almost Grassmannian geometries <i>L. Zalabová</i>	371

- Zeta regularized integral and Fourier expansion of functions
on an infinite dimensional torus 385
A. Asada
- On the direction independence of two remarkable Finsler tensors 397
S. Bácsó and Z. Szilasi
- Lie systems and integrability conditions of differential equations and some of its applications 407
J.F. Cariñena and J. de Lucas
- Transverse Poisson structures: The subregular and minimal orbits 419
P.A. Damianou, H. Sabourin and P. Vanhaecke
- On first-order differential invariants of the non-conjugate subgroups of the Poincaré group $P(1, 4)$ 431
V.M. Fedorchuk and V.I. Fedorchuk
- On the flag curvature of the dual of Finsler metric 445
D. Hrimiuc
- A note on the height of the canonical Stiefel–Whitney classes of the oriented Grassmann manifolds 455
J. Korbaš
- Differential invariants of velocities and higher order Grassmann bundles 463
D. Krupka and Z. Urban
- Like jet prolongation functors of affine bundles 475
J. Kurek and W.M. Mikulski
- Two analytical Goodwillie's theorems 489
R. Léandre
- De Rham like cohomology of geometric structures 501
M.A. Malakhaltsev

Submanifolds in pseudo-Euclidean spaces and Dubrovin–Frobenius structures <i>O.I. Mokhov</i>	515
The Cartan form, 20 years on <i>D.J. Saunders</i>	527
Calculus along the tangent bundle projection and projective metrizable-ity <i>J. Szilasi</i>	539
Distance functions of Finsler spaces and distance spaces <i>L. Tamássy</i>	559
Part 4 Geometric methods in physics	571
Differential forms relating twistors to Dirac fields <i>I.M. Benn and J.M. Kress</i>	573
The gravitational field of the Robertson-Walker spacetime <i>W. Borgiel</i>	581
Lie algebra pairing and the Lagrangian and Hamiltonian equations in gauge-invariant problems <i>M. Castrillón López and J. Muñoz Masqué</i>	595
Non-holonomic constraint forces in field theory in physics <i>L. Czudková and J. Musilová</i>	603
On a generalization of the Dirac bracket in the De Donder–Weyl Hamiltonian formalism <i>I. Kanatchikov</i>	615
Constrained Lepage forms <i>O. Krupková, J. Volná and P. Volný</i>	627
Variationality of geodesic circles in two dimensions <i>R. Ya. Matsyuk</i>	635

Noether identities in Einstein–Dirac theory and the Lie derivative of spinor fields	643
<i>M. Palese and E. Winterroth</i>	
Hilbert–Yang–Mills functional: Examples	655
<i>A. Paták</i>	
Hamiltonian formalism on Lie algebroids and its applications	665
<i>L. Popescu</i>	
Variational theory of balance systems	675
<i>S. Preston</i>	
Constraint Lepage one forms in higher order mechanics with nonholonomic constraints on the dynamical space	689
<i>M. Swaczyna</i>	
A connection-theoretic approach to the analysis of symmetries of nonholonomic field theories	703
<i>J. Vankerschaver</i>	
List of Participants	713
Previous DGA Conference Proceedings	717