

## CONTENTS

Preface	v
Organizing Committees	vii
A brief portrait of the life and work of Professor Enrique Vidal Abascal	1
<i>L. A. Cordero</i>	
<b>Part A Foliation theory</b>	<b>9</b>
Characteristic classes for Riemannian foliations	11
<i>S. Hurder</i>	
Non unique-ergodicity of harmonic measures: Smoothing Samuel Petite's examples	36
<i>B. Deroin</i>	
On the uniform simplicity of diffeomorphism groups	43
<i>T. Tsuboi</i>	
On Bennequin's isotopy lemma and Thurston's inequality	56
<i>Y. Mitsumatsu</i>	
On the Julia sets of complex codimension-one transversally holomorphic foliations	65
<i>T. Asuke</i>	
Singular Riemannian foliations on spaces without conjugate points	75
<i>A. Lytchak</i>	

Variational formulae for the total mean curvatures of a codimension-one distribution <i>V. Rovenski and P. Walczak</i>	83
On a Weitzenböck-like formula for Riemannian foliations <i>V. Slesar</i>	94
Duality and minimality for Riemannian foliations on open manifolds <i>X. M. Masa</i>	102
Open problems on foliations	104
<b>Part B Riemannian geometry</b>	<b>109</b>
Graphs with prescribed mean curvature <i>M. Dajczer</i>	111
Genuine isometric and conformal deformations of submanifolds <i>R. Tojeiro</i>	120
Totally geodesic submanifolds in Riemannian symmetric spaces <i>S. Klein</i>	136
The orbits of cohomogeneity one actions on complex hyperbolic spaces <i>J. C. Díaz-Ramos</i>	146
Rigidity results for geodesic spheres in space forms <i>J. Roth</i>	156
Mean curvature flow and Bernstein-Calabi results for spacelike graphs <i>G. Li and I. M. C. Salavessa</i>	164
Riemannian geometric realizations for Ricci tensors of generalized algebraic curvature operators <i>P. Gilkey, S. Nikčević and D. Westerman</i>	175

Conformally Osserman multiply warped product structures in the Riemannian setting	185
<i>M. Brozos-Vázquez, M. E. Vázquez-Abal and R. Vázquez-Lorenzo</i>	
Riemannian $\Gamma$ -symmetric spaces	195
<i>M. Goze and E. Remm</i>	
Methods for solving the Jacobi equation. Constant osculating rank vs. constant Jacobi osculating rank	207
<i>T. Arias-Marco</i>	
On the reparametrization of affine homogeneous geodesics	217
<i>Z. Dušek</i>	
Conjugate connections and differential equations on infinite dimensional manifolds	227
<i>M. Aghasi, C. T. J. Dodson, G. N. Galanis and A. Suri</i>	
Totally biharmonic submanifolds	237
<i>D. Impera and S. Montaldo</i>	
The biharmonicity of unit vector fields on the Poincaré half- space $H^n$	247
<i>M. K. Markellos</i>	
Perspectives on biharmonic maps and submanifolds	257
<i>A. Balmuş</i>	
Contact pair structures and associated metrics	266
<i>G. Bande and A. Hadjar</i>	
Paraquaternionic manifolds and mixed 3-structures	276
<i>S. Ianuş and G. E. Vilcu</i>	
On topological obstruction of compact positively Ricci curved manifolds	286
<i>W.-H. Chen</i>	

Gray curvature conditions and the Tanaka-Webster connection <i>R. Mocanu</i>	291
Riemannian structures on higher order frame bundles from classical linear connections <i>J. Kurek and W. M. Mikulski</i>	296
Distributions on the cotangent bundle from torsion-free connections <i>J. Kurek and W. M. Mikulski</i>	301
On the geodesics of the rotational surfaces in the Bianchi- Cartan-Vranceanu spaces <i>P. Piu and M. M. Profir</i>	306
Cotangent bundles with general natural Kähler structures of quasi-constant holomorphic sectional curvatures <i>S. L. Druță</i>	311
Polynomial translation Weingarten surfaces in 3-dimensional Euclidean space <i>M. I. Munteanu and A. I. Nistor</i>	316
$G$ -structures defined on pseudo-Riemannian manifolds <i>I. Sánchez-Rodríguez</i>	321
List of Participants	327