

# Contents

<b>Participants</b> .....	ix
<b>Surfaces of general type with geometric genus zero: a survey</b> .....	1
Ingrid Bauer, Fabrizio Catanese and Roberto Pignatelli	
<b>Holomorphic symplectic geometry: a problem list</b> .....	49
Arnaud Beauville	
<b>Generalized Lagrangian mean curvature flow in Kähler manifolds that are almost Einstein</b> .....	65
Tapio Behrndt	
<b>Einstein metrics and preserved curvature conditions for the Ricci flow</b> ...	81
Simon Brendle	
<b>Differential Harnack estimates for parabolic equations</b> .....	87
Xiaodong Cao and Zhou Zhang	
<b>Euler characteristic of a complete intersection</b> .....	99
Sławomir Cynk	
<b>Cremona special sets of points in products of projective spaces</b> .....	115
Igor V. Dolgachev	
<b>Stable bundles and polyvector fields</b> .....	135
Nigel Hitchin	
<b>Buser-Sarnak invariant and projective normality of abelian varieties</b> ....	157
Jun-Muk Hwang and Wing-Keung To	
<b>Complete Kähler-Einstein manifolds</b> .....	171
Marco Kühnel	

<b>Fixed point subalgebras of Weil algebras: from geometric to algebraic questions</b> . . . . .	183
Miroslav Kureš	
<b>Self-similar solutions and translating solutions</b> . . . . .	193
Yng-Ing Lee	
<b>Aspects of conformal holonomy</b> . . . . .	205
Felipe Leitner	
<b>Bifurcation braid monodromy of plane curves</b> . . . . .	235
Michael Lönne	
<b>A survey of Torelli and monodromy results for holomorphic-symplectic varieties</b> . . . . .	257
Eyal Markman	
<b>On singularities of generically immersive holomorphic maps between complex hyperbolic space forms</b> . . . . .	323
Ngaiming Mok	
<b>Generically nef vector bundles and geometric applications</b> . . . . .	345
Thomas Peternell	
<b>Dolbeault cohomology of nilmanifolds with left-invariant complex structure</b> . . . . .	369
Sönke Rollenske	
<b>Smooth rationally connected threefolds contain all smooth curves</b> . . . . .	393
G.K. Sankaran	
<b>Submanifolds in Poisson geometry: a survey</b> . . . . .	403
Marco Zambon	

Complex and Differential Geometry

Conference held at Leibniz Universität Hannover,

September 14 – 18, 2009

Ebeling, W.; Hulek, K.; Smoczyk, K. (Eds.)

2011, X, 422 p., Hardcover

ISBN: 978-3-642-20299-5