FOREWORD

The 36th Winter School 'Geometry and Physics' took place at the usual place, the village Srní in the Czech Republic, in the period January 16 – January 23, 2016. The Winter School was organized by the Union of Czech Mathematicians and Physicists, together with the Charles University and the Masaryk University.

During the School, four invited lecture series and two invited lectures were presented: *Topics in subriemannian geometry* by **Andrei Agrachev**, *The (relative) BGG machinery* by **Andreas Čap**, *General gauge dynamics and BRST cohomology* by **Simon Lyakhovich**, *Singular BGG resolutions for type A* by **Pavle Pandžić**, *Calculus on conformally symplectic manifolds* by **Jan Slovák** and *Conformal geometry and theory of everything* by **Andrew Waldron**. In the rest of the program, many further lectures, communications, and posters were presented in two sections.

The Proceedings of this School contain 6 contributions by the participants.

Editor: Martin Čadek