

FOREWORD

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FOREWORD

The 40th Winter School ‘Geometry and Physics’ took place at the usual place, the village Srní in the Czech Republic, in the period January 11 – January 18, 2020. The Winter School was organized by the Union of Czech Mathematicians and Physicists, together with the Masaryk University and the Charles University.

During the School, seven invited lecture series were presented: *Goldman-Turaev formality and the Kashiwara-Vergne problem* by **Anton Alekseev**, *Higher spin algebras* by **Peter Bouwknegt**, *Parabolic geometries and geometric compactifications* by **Andreas Čap**, *String field theory* by **Theodore Eler**, *An introduction to sub-Riemannian geometry and optimal transport* by **Luca Rizzi**, *Domain walls and dualities in 3 dimensions* by **Martin Roček**, and *Perturbative quantum field theory with homotopy algebras* by **Christian Saemann**. In the rest of the program, many further lectures, communications, and posters were presented in two sections.

The Proceedings of this School contain five contributions.

Editor: Martin Čadek