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Titolo	100 years of gravity and accelerated frames [[electronic resource]] : the deepest insights of Einstein and Yang-Mills // editors, Jong-Ping Hsu, Dana Fine
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Altri autori (Persone)	HsuJ. P (Jong-Ping) FineDana
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Nota di contenuto	Remarks on the Development of the Gravitational and Yang-Mills Fields, and Accelerated Frames -- The Dawn of Gravitation -- Einstein's Deepest Insight and Its Early Impacts -- The Scalar-Tensor Theory of Gravity -- Yang-Mills' Deepest Insight and Its Relation to Gravity -- Accelerated Frames: Generalizing the Lorentz Transformations -- Quantum Gravity and 'Ghosts -- Gauge Theories of Gravity -- Alternate Approaches to Gravity: Roads Less Traveled By -- Experimental Tests of Gravitational Theories -- Other Perspectives.
Sommario/riassunto	This collection of papers presents ideas and problems arising over the past 100 years regarding classical and quantum gravity, gauge theories of gravity, and spacetime transformations of accelerated frames. Both Einstein's theory of gravity and the Yang-Mills theory are gauge invariant. The invariance principles in physics have transcended both kinetic and dynamic properties and are at the very heart of our understanding of the physical world. In this spirit, this book attempts

to survey the development of various formulations for gravitational and Yang-Mills fields and spacetime transformatio
