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Nota di contenuto	pt. I. Quantization, supergeometry and representation theory, the scientific legacy of Felix A. Berezin -- pt. II. Foundations of quantum mechanics -- pt. III. Quantum groups and non-commutative structures -- pt. IV. General methods -- pt. V. Special talk by Bogdan Mielnik.
Sommario/riassunto	The Biaowiea workshops on Geometric Methods in Physics are among the most important meetings in the field. Every year, some 80 to 100 participants from both mathematics and physics join to discuss new developments and to exchange ideas. This volume includes contributions by selected speakers at the 30th meeting in 2011 as well as additional review articles and it shows that the workshop remains at the cutting edge of ongoing research. The 2011 meeting focused on the works of the late Felix A. Berezin (1931–1980) on the occasion of his 80th anniversary as well as on Bogdan Mielnik and Stanisaw Lech Woronowicz on the occasion of their 75th and 70th birthdays, respectively. The groundbreaking work of Berezin is discussed from

today's perspective by presenting an overview of his ideas and their impact on further developments. He was active in representation theory, general concepts of quantization and coherent states, supersymmetry and supermanifolds, among other fields. Another focus lies on the accomplishments of Bogdan Mielnik and Stanisaw Lech Woronowicz. Mielnik's geometric approach to the description of quantum mixed states, the method of quantum state manipulation and their important implications for quantum computing and quantum entanglement are discussed, as are the intricacies of the quantum time operator. Woronowicz' fruitful notion of a compact quantum group and related topics are also addressed.