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Collana	Springer proceedings in complexity
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Nota di contenuto	On fat tails, kurtosis, and skewness of socio-economic data distributions -- Detecting and modelling of collective emotions in online communities -- From long-range dependence to scale-specific correlations, regressions and power-law coherency: Review, utility and challenges -- Continuous-time random walk in real complex systems: Anomalous transport & diffusion, extreme value theory, fractional evolution vs econophysics applications -- Multiscaling in financial time series -- Complex dynamics of economics models with time delay I: Introduction to delay differential equations.
Sommario/riassunto	This book presents the Proceedings of the 54th Winter School of Theoretical Physics on Simplicity of Complexity in Economic and Social Systems, held in Ldek Zdroj, Poland, from 18 to 24 February 2018. The purpose of the book is to introduce the new interdisciplinary research that links statistical physics, and particular attention is given to link physics of complex systems, with financial analysis and sociology. The main tools used in these areas are numerical simulation of agents behavior and the interpretation of results with the help of

complexity methods, therefore a background in statistical physics and in physics of phase transition is necessary to take the first steps towards these research fields called econophysics and sociophysics. In this perspective, the book is intended to graduated students and young researchers who want to begin the study of this established new area, which connects physicists, economists, sociologists and IT professionals, to better understand complexity phenomena existing not only in physics but also in complex systems being seemingly far from traditional view at physics.
