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Nota di contenuto	Intro -- Did you know? -- Preface -- Acknowledgements -- Author's Notes -- Prelude -- Euler's Contributions to Celestial Mechanics -- Planetary Perturbations -- Lunar Theories -- Three-Body Problem -- Contents -- List of Figures -- 1 Euler Study of Newtonian and Cartesian Physics -- The Birth and Nurturing of Genius -- Cartesian and Newtonian Natural Philosophy -- A Young Scholar Earns Recognition -- References -- 2 Euler's Grand Tour -- Saint Petersburg: Russian Bright Star -- Seeds for Euler Initiation into the Analysis of the Universe -- References -- 3 Introducing Analysis to Celestial Mechanics -- Euler at the St. Petersburg Observatory -- Euler Stellar Triangle -- Euler's Mechanica, First Newtonian Physics in Analytical Form -- Analysis of Planetary Motion -- Euler's Solution of Kepler's Problem -- First Prize from the French Academy of Sciences -- References -- 4 A Theory of Tides -- French Academy Prize Competition for a Theory of Tides -- Universal Gravitation Law -- Euler's Theory of Tides -- Elementary Analysis of Tides -- Leaving St. Petersburg -- A New Beginning in the Prussian Kingdom -- References -- 5 Theories of Motion in the Solar System -- The Berlin Observatory -- Euler's First Astronomy Book Based on Analytical Principles -- Euler Lunar Tables -- Solar Eclipse in July 1748 -- Lunar Eclipse in August 1748 -- Research on the Motion of Celestial Bodies-Newtonian Second Law Equation -- Precession of the Equinoxes -- The Great Inequality

That Links the Orbital Motions of Jupiter and Saturn -- Lunar Theory and Newton's Inverse Square Law -- St. Petersburg Academy First Astronomy Competition in 1751 -- Euler Second Lunar Theory (1751) -- Euler and the Variation of the Moon -- An Intriguing Little Mystery-A Riddle from the Father? -- Life in the Prussian Kingdom -- Adieu Berlin -- References.
6 Motion of Comets and Comet Tail Theory -- Comets as Objects in the Solar System -- The Comet of 1742 -- The Great Comet of 1744 -- Anonymous Lectures on Comets -- Prediction of Halley's Comet Return in 1758 -- The Great Comet of 1769 -- Euler's Theory of Comet Tail Formation -- Lexell and the Mysterious Comet -- What Is Known About Comets -- Comets and Their Place in Contemporary Space Exploration -- References -- 7 The Three-Body Problem and Lunar Theories -- Equations of Motion for the Three-Body System -- Euler's Three-Body Problem of Two Gravitational Centers (E. 337) -- Euler's Three-Body Problem in Collinear Configuration (E. 400) -- Euler's Last Moon Theory -- Aiming to Perfect the Lunar Theory: Prize Competition in 1770 -- To Perfect the Lunar Theory: Last Prize Competition -- Equilibrium Points of a Restricted Three-Body System -- References -- 8 Euler's Legacy to Astronautics -- The Personal Challenges -- St. Petersburg Fire, Vision and Family Loss -- The Triumphs -- Last Works Related to Celestial Mechanics -- Prizes from the French Academy -- To See Infinity -- Les Éloges -- The Scientific Legacy -- Euler Opera Omnia and Opera Postuma -- Astronomia Mechanica -- Euler's Legacy for Engineering and Physics -- Euler's Legacy for Observational Astronomy -- Legacy to Astronautics and Space Exploration -- Euler: Blind Mathematician, Astronomer, Engineer and Astrophysicist -- References -- Appendix -- A.1 Prizes Related to Celestial Mechanics Awarded to Euler by the French Academy of Sciences -- A.2 Euler Timeline -- A.3 The Restricted Three-Body System -- Index.

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Titolo	Blockchain and Trustworthy Systems : Second International Conference, BlockSys 2020, Dali, China, August 6–7, 2020, Revised Selected Papers / / edited by Zibin Zheng, Hong-Ning Dai, Xiaodong Fu, Benhui Chen
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Nota di contenuto	Theories and Algorithms for Blockchain -- Performance Optimization of Blockchain -- Blockchain Security and Privacy -- Blockchain and Cloud Computing -- Blockchain and Internet of Things -- Blockchain and Mobile Edge Computing -- Blockchain and Smart Contracts -- Blockchain and Data Mining -- Blockchain Services and Applications -- Trustworthy System Development.
Sommario/riassunto	This book constitutes the thoroughly refereed post conference papers of the Second International Conference on Blockchain and Trustworthy Systems, Blocksys 2020, held in Dali, China*, in August 2020. The 42 full papers and the 11 short papers were carefully reviewed and

selected from 100 submissions. The papers are organized in topical sections: theories and algorithms for blockchain, performance optimization of blockchain, blockchain security and privacy, blockchain and cloud computing, blockchain and internet of things, blockchain and mobile edge computing, blockchain and smart contracts, blockchain and data mining, blockchain services and applications, trustworthy system development. *The conference was held virtually due to the COVID-19 pandemic.