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Collana	Information Systems and Applications, incl. Internet/Web, and HCI, , 2946-1642 ; ; 12885
Disciplina	519.3
Soggetti	Computer simulation Computer science - Mathematics Artificial intelligence Data structures (Computer science) Information theory Computer engineering Computer networks Computer Modelling Mathematics of Computing Artificial Intelligence Data Structures and Information Theory Computer Engineering and Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Auctions and Mechanism Design -- Improved Two Sample Revenue Guarantees via Mixed-Integer Linear Programming -- The Price of Stability of Envy-Free Equilibria in Multi-Buyer Sequential Auctions -- Auctions with Interdependence and SOS: Improved Approximation -- Approximate Mechanism Design for Distributed Facility Location -- Prior-Free Clock Auctions for Bidders with Interdependent Values -- Incentive Compatible Mechanism for Influential Agent Selection -- Computational Aspects of Games -- On Tightness of the Tsaknakis-Spirakis Algorithm for Approximate Nash Equilibrium -- Prophet

Inequality with Competing Agents -- Lower Bounds for the Query Complexity of Equilibria in Lipschitz Games- Gerrymandering on graphs: Computational complexity and parameterized algorithms -- Game theory on the blockchain: a model for games with smart contracts -- Algorithmic Challenges in Information Design XVII -- On the Complexity of Nucleolus Computation for Bipartite b-Matching Games.-Pure Nash Equilibria in a Generalization of Congestion Games Allowing Resource Failures -- Markets and Matchings -- On (Coalitional) Exchange-Stable Matching -- Optimal Revenue Guarantees for Pricing in Large Markets -- Approximate Competitive Equilibrium with Generic Budget -- Cost Sharing in Two-Sided Markets -- The Three-Dimensional Stable Roommates Problem with Additively Separable Preferences -- Descending the Stable Matching Lattice: How many Strategic Agents are required to turn Pessimality to Optimality? -- Social Choice and Cooperative Games -- Metric-Distortion Bounds under Limited Information -- Hedonic Expertise Games -- When Dividing Mixed Manna is Easier than Dividing Goods: Competitive Equilibria with a Constant Number of Chores -- Computing Fair and Efficient Allocations with Few Utility Values -- An Approval-Based Model for Single-Step Liquid Democracy -- Two Birds With One Stone: Fairness and Welfare via Transfers -- Pirates in Wonderland: Liquid Democracy has Bicriteria Guarantees -- Abstracts -- On Reward Sharing in Blockchain Mining Pools -- On Submodular Prophet Inequalities and Correlation Gap -- Vote Delegation and Misbehavior.

Sommario/riassunto

This book constitutes the refereed proceedings of the 14th International Symposium on Algorithmic Game Theory, SAGT 2021, held in Aarhus, Denmark in September 2021. The 26 full papers presented together with 4 abstract papers were carefully reviewed and selected from 73 submissions. In addition, the volume contains abstracts from 3 invited talks and 2 tutorial talks. The papers are organized in topical sections named: auctions and mechanism design, computational aspects of games, markets and matchings, and social choice and cooperative games.
