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Titolo	Social Collective Intelligence : Combining the Powers of Humans and Machines to Build a Smarter Society // edited by Daniele Miorandi, Vincenzo Maltese, Michael Rovatsos, Anton Nijholt, James Stewart
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Disciplina	004 005.437 306.42 4019
Soggetti	User interfaces (Computer systems) Physics Game theory Sociology User Interfaces and Human Computer Interaction Applications of Graph Theory and Complex Networks Game Theory, Economics, Social and Behav. Sciences Knowledge - Discourse
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references
Nota di contenuto	From the Contents: Part I Foundations -- Towards the Ethical Governance of Smart Society -- Collective Intelligence and Algorithmic Governance of Socio-Technical Systems -- Part II Technologies -- Privacy in Social Collective Intelligence Systems -- The Future of Social is Personal: The Potential of the Personal Data Store -- Part III Applications and Case Studies -- Surfacing Collective Intelligence with Implications for Interface Design in Massive Open Online Courses -- Who Were Where When?—On the Use of Social Collective Intelligence in Computational Epidemiology.

The book focuses on Social Collective Intelligence, a term used to denote a class of socio-technical systems that combine, in a coordinated way, the strengths of humans, machines and collectives in terms of competences, knowledge and problem solving capabilities with the communication, computing and storage capabilities of advanced ICT. Social Collective Intelligence opens a number of challenges for researchers in both computer science and social sciences; at the same time it provides an innovative approach to solve challenges in diverse application domains, ranging from health to education and organization of work. The book will provide a cohesive and holistic treatment of Social Collective Intelligence, including challenges emerging in various disciplines (computer science, sociology, ethics) and opportunities for innovating in various application areas. By going through the book the reader will gauge insight and knowledge into the challenges and opportunities provided by this new, exciting, field of investigation. Benefits for scientists will be in terms of accessing a comprehensive treatment of the open research challenges in a multidisciplinary perspective. Benefits for practitioners and applied researchers will be in terms of access to novel approaches to tackle relevant problems in their field. Benefits for policy-makers and public bodies representatives will be in terms of understanding how technological advances can support them in supporting the progress of society and economy.

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