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Online and Matching-Based Market Design

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The field of matching markets is, due to a unique confluence of circumstances, at the same time mature and yet in its infancy. Its birth goes back to the seminal 1962 paper of Gale and Shapley on stable matching. Over the decades, this field has become known for its highly successful applications, having economic as well as sociological impact. Its recent resurgence, with the revolutions of the Internet and mobile computing, has opened up altogether new avenues of research and novel, path-breaking applications.

The distinctive feature of this book lies in treating this field in its true interdisciplinary spirit --- the field veritably sits at the intersection of economics, computer science, operations research and discrete mathematics, and this viewpoint has already led to a sequence of fundamental research results. Comprised of chapters written by over 50 top researchers, it still has the clarity, cohesiveness and organization of a textbook.

CONTRIBUTORS

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