



Theoretical Aspects of Computer Science

By -

Springer. Paperback. Book Condition: New. Paperback. 228 pages. Dimensions: 9.0in. x 6.1in. x 0.6in. The First Summer School on Theoretical Aspects of Computer Science was held at the Institute for Studies in Theoretical Physics and Mathematics (IPM) from July 3-10, 2000.

The idea of organizing a summer school was originated during a conversation between the stand and the second editor of this volume in the winter of 2000 at IPM in Tehran. The decision was formalized when the third editor visited IPM later in the winter.

The main idea behind the Summer School was to introduce to the students in Iran some of the highly innovative and promising research in Theoretical Computer Science, and, at the same time, to start a flow of ideas between top researchers in the field and the Iranian scientists. For this reason, the talks were designed to be of a tutorial style.

The organizers decided to concentrate on a few important areas of research in modern Theoretical Computer Science. To attract students to this important area, they also decided to include talks on applications of methods from Theoretical Computer Science to other areas.

This volume contains the written contributions to the program of this Summer School. It is intended for students and researchers who want to gain

quantance with certain topics in Theoretical Computer Science. The papers on quantum computation, approximation algorithms, self-testing correcting, algebraic modeling of data, and the Regularity Lemma correspond to the former category,

while connections between multiple access communication and combinatorial designs, graph-theoretical methods in computer vision, and low-density parity-check codes belong to the latter category. Each contribution to this volume was presented in a two-hour session, allowing ample time for questions and discussions. The tutorials were followed by

number of specialized talks touching on current research problems in the area.

Part of the talks have been incorporated into the material of the contributions. January 2002 G. B.

Khosrovshahi A. Shokoufandeh A. Shokrollahi Organization The first International Summer School on Theoretical Aspects of Computer Science was organized by the Institute for Studies in Theoretical Physics and Mathematics (IPM) in Tehran, Iran. Program Committee Conference Chair: G. B.

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This publication is definitely worth purchasing. Yes, it is actually engage in, nevertheless an amazing and interesting literature. You can expect to like just how the author write this publication.

-- Odie Dicki