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Autore	Chen Yong
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Soggetti	Computer science Image processing - Digital techniques Computer vision Data structures (Computer science) Information theory Computer science - Mathematics Discrete mathematics Mathematics - Data processing Theory of Computation Computer Imaging, Vision, Pattern Recognition and Graphics Data Structures and Information Theory Discrete Mathematics in Computer Science Symbolic and Algebraic Manipulation Computational Mathematics and Numerical Analysis
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of Teaching Materials, Curriculums, and the Teaching System Cross Region for "Solving Problems by Programming" -- Exploration on Teaching Content Reform of Programming Course in the Era of AI -- Exploration of K12 Multi level Information and AI Talent Training Model -- Course Design and Textbook Development for Introduction to Computer Systems Course in the Era of Concurrency -- A TOF Estimation Method Based on the Improved MUSIC Algorithm -- Task Scheduling in MultiLayer CLOS Topology Networks Based on Shortest Path -- Indoor Localization Problem Based on WiFi Using MUSIC Algorithm and Maximum Likelihood Estimation -- Optimizing Fresh Warehouse Networks Using MIP and SARIMA Forecasting -- Teaching Study on Algorithm Design and Analysis Innovation Teaching Method Reform Based on Practice -- New Teaching Philosophy of Theoretical Computer Science Courses in AI Era Data Structure as an Example.

Sommario/riassunto

This three-volume set LNCS 15161, 15162 and 15163 constitutes the refereed proceedings of the 30th International Conference, COCOON 2024, held in Shanghai, China, during August 23–25, 2024. The 90 full papers and 6 short papers were carefully reviewed and selected from 277 submissions. COCOON 2024 provided an excellent venue for researchers working in the area of algorithms, theory of computation, computational complexity, and combinatorics related to computing.
