



## Interactive Video-On-Demand Systems Resource Management and Scheduling Strategies The Springer International Series in Engineering and Computer Science

By Babak Hamidzadeh

Springer. Hardcover. Book Condition: New. Hardcover. 137 pages. Dimensions: 9.5in. x 6.4in. x 0.6in. Interactive Video-on-Demand Systems: Resource Management and Scheduling Strategies addresses issues in scheduling and management of resources in an interactive continuous-media (e. g. , audio and video) server. The book emphasizes dynamic and run-time strategies for resource scheduling and management. Such strategies provide effective tools for supporting interactivity with on-line users who require the system to be responsive in serving their requests, and whose needs and actions vary frequently over time. With an emphasis on responsiveness and transient performance, this book elaborates on dynamic strategies for managing and scheduling resources in Video-on-DemandMultimedia systems. Unlike previous books, this volume presents an unprecedented detailed analysis of the start-up and departure of streams. It gives a comprehensive evaluation of various techniques as workloads are varied in multiple dimensions (including arrival rate, data rate and length of play). Interactive Video-on-Demand Systems: Resource Management and Scheduling Strategies collectively addresses multiple issues including QoS, throughput, responsiveness and efficiency. The solutions discussed in this volume are particularly valuable to practitioners who are building digital library, interactive multimedia and hypermedia

### Reviews

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