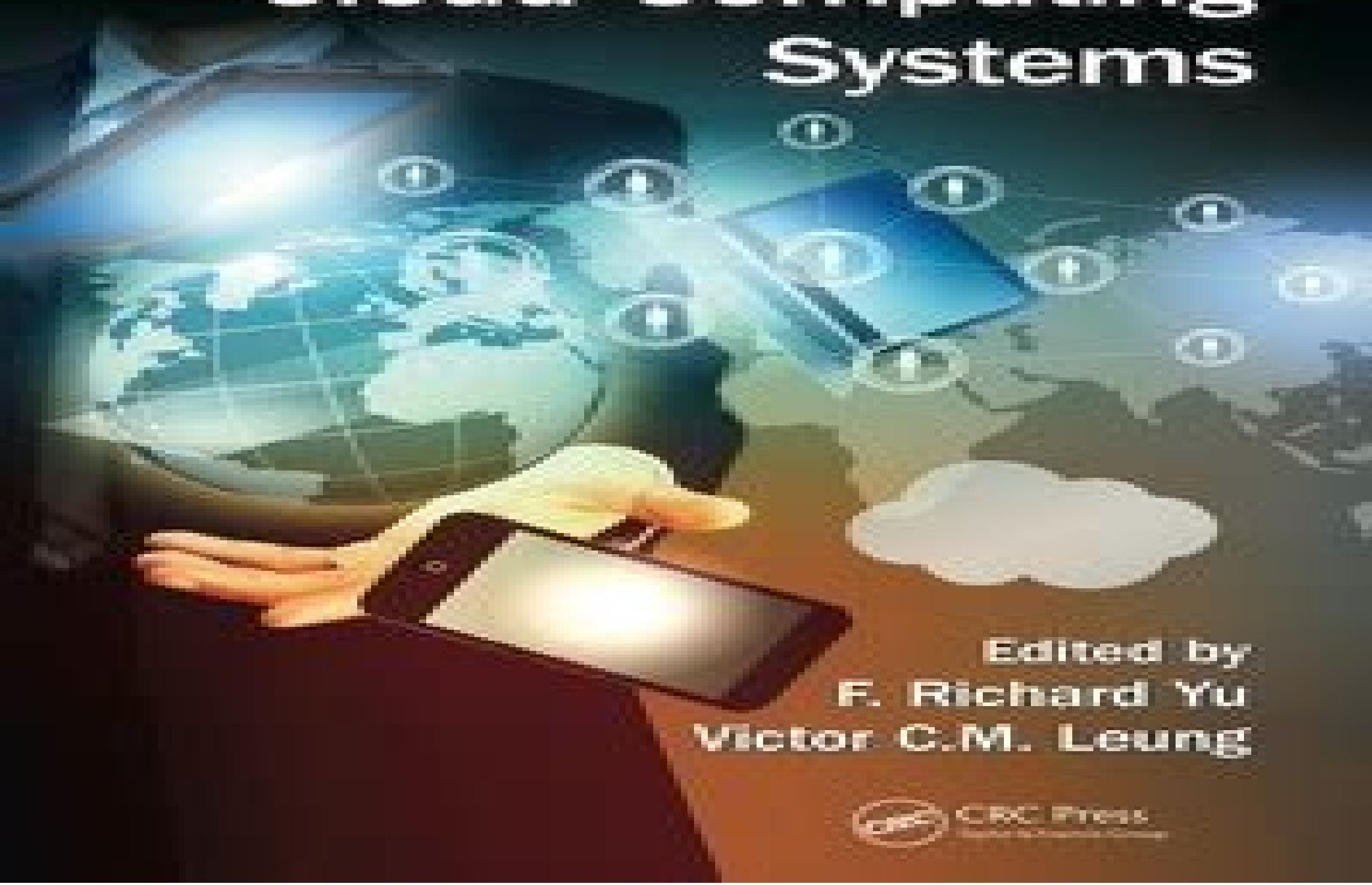


Advances in Mobile Cloud Computing Systems



Edited by
F. Richard Yu
Victor C.M. Leung



CRC Press
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**Wen Zhe Chen,Xing Jun Liu,Pin Qiang
Dai,Yong Lu Chen,Zheng Yi Jiang**

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Resource Management in Mobile Computing Environments Constandinos X. Mavromoustakis,Evangelos Pallis,George Mastorakis,2014-06-09 This book reports the latest advances on the design and development of mobile computing systems describing their applications in the context of modeling analysis and efficient resource management It explores the challenges on mobile computing and resource management paradigms including research efforts and approaches recently carried out in response to them to address future open ended issues The book includes 26 rigorously refereed chapters written by leading international researchers providing the readers with technical and scientific information about various aspects of mobile computing from basic concepts to advanced findings reporting the state of the art on resource management in such environments It is mainly intended as a reference guide for researchers and practitioners involved in the design development and applications of mobile computing systems seeking solutions to related issues It also represents a useful textbook for advanced undergraduate and graduate courses addressing special topics such as mobile and ad hoc wireless networks peer to peer systems for mobile computing novel resource management techniques in cognitive radio networks and power management in mobile computing systems *Mobile Cloud Computing* Meikang Qiu,Keke Gai,2017-05-12 Mobile Cloud Computing Models Implementation and Security provides a comprehensive introduction to mobile cloud computing including key concepts models and relevant applications The book focuses on novel and advanced algorithms as well as mobile app development The book begins with an overview of mobile cloud computing concepts models and service deployments as well as specific cloud service models It continues with the basic mechanisms and principles of mobile computing as well as virtualization techniques The book also introduces mobile cloud computing architecture design key techniques and challenges The second part of the book covers optimizations of data processing and storage in mobile clouds including performance and green clouds The crucial optimization algorithm in mobile cloud computing is also explored along with big data and service computing Security issues in mobile cloud computing are covered in depth including a brief introduction to security and privacy issues and threats as well as privacy protection techniques in mobile systems The last part of the book features the integration of service oriented architecture with mobile cloud computing It discusses web service specifications related to implementations of mobile cloud computing The book not only presents critical concepts in

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