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Nota di contenuto	Preliminary Material / Darren C.J. Yeo , Neil Cumberlidge and Sebastian Klaus -- Preface — freshwater decapod biology in the 21st Century / Darren C. J. Yeo , Neil Cumberlidge and Sebastian Klaus -- Freshwater crab systematics and biogeography: the legacy of Richard Bott (*1902-†1974) / Sebastian Klaus and Michael Türkay -- Life span, early life stage protection, mortality, and senescence in freshwater Decapoda / Günter Vogt -- Freshwater decapod conservation: recent progress and future challenges / Neil Cumberlidge -- An overview of the Afrotropical freshwater crab fauna: diversity, biogeography, and conservation (Brachyura, Potamoidea, Potamonautidae and Potamidae) / Neil Cumberlidge -- Morphological and molecular characterization of a new species of Fredius (Decapoda, Pseudothelphusidae) from Rondônia, southern Amazonia, Brazil / Célio Magalhães , Vitor Q. A. Sanches , Leonardo G. Pileggi and Fernando L. Mantelatto -- Description of a new freshwater crab species of the genus Potamon (Decapoda, Brachyura, Potamidae) from Iran, based on morphological and genetic characters / Alireza Keikhosravi and Christoph D. Schubart -- A new species of Isolapotamon Bott, 1968 (Decapoda, Brachyura, Potamidae) from Mindanao, with notes on the Philippine Isolapotamon species / Jose C. E. Mendoza and Darren C. J. Yeo -- New occurrence of Miocene freshwater crabs (Brachyura, Potamidae) in the North Alpine Foreland Basin, Germany, with a note on fossil Potamon to calibrate molecular

clocks / Sebastian Klaus and Jérôme Prieto -- Differentiation within a river system: ecology or geography driven? Evolutionary significant units and new species in Jamaican freshwater crabs / Christoph D. Schubart and Tobias Santl -- The Aeglidae of Uruguay (Decapoda, Anomura), with the description of a new species of *Aegla* / Sandro Santos , Georgina Bond-Buckup , Ludwig Buckup , Tainã G. Loureiro , Alberto S. Gonçalves , Ana Verdi , Fabrizio Scarabino and Christian Clavijo -- Atyid shrimps of Hainan Island, southern China, with the description of a new species of *Caridina* (Crustacea, Decapoda, Atyidae) / Yixiong Cai -- On the presumed phylogenetic position of the Xiphocarididae (Decapoda, Caridea) based on the larval morphology of *Xiphocaris elongata* / Guillermo Guerao , Silke Reuschel , Klaus Anger and Christoph D. Schubart -- Diversity and distribution of Australian freshwater crayfish with a check-list of the world Parastacidae and a key to the genera (Decapoda, Astacidea, Parastacoidea) / Shane T. Ahyong -- The freshwater crayfish fauna of Australia: update on conservation status and threats / James M. Furse.

Sommario/riassunto

Decapods are the largest, most prominent, and, unfortunately, most threatened freshwater crustaceans. *Advances in Freshwater Decapod Systematics and Biology* presents a selection of papers by geographical and domain experts, in taxonomy, phylogenetics, biogeography, life history, and conservation. The major groups of freshwater decapods—crabs, crayfish, prawns, and anomurans—are all represented. This volume includes a chapter commemorating Richard Bott's influence on freshwater crab/decapod biology; descriptions of seven new species (Atyidae, Aeglidae, Pseudothelphusidae, Potamidae, and Sesarmidae); chapters on larval-based phylogenetics and molecular clock calibration; and reviews of longevity and mortality, and of the global conservation status of freshwater decapods. This volume both reflects the current state of research and serves as a primer for future work and more integrative decapod research. Contributors include: Shane T. Ahyong, Klaus Anger, Georgina Bond-Buckup, Ludwig Buckup, Yixiong Cai, Christian Clavijo, Neil Cumberlidge, James M. Furse, Alberto S. Gonçalves, Guillermo Guerao, Alireza Keikhosravi, Sebastian Klaus, Tainã G. Loureiro, Célio Magalhães, Fernando L. Mantelatto, Jose C. E. Mendoza, , Jérôme Prieto, Silke Reuschel, Vitor Q. A. Sanches, Tobias Santl, Sandro Santos, Fabrizio Scarabino, Christoph D. Schubart, Michael Türkay, Ana Verdi, Günter Vogt, and Darren C. J. Yeo

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Security in the digital age; 2.2.1. Private property: from vulnerabilities to risks
 2.2.2. Definition of security; 2.2.3. Trust and subjectivity in security;
 2.2.4. Services and security; 2.3. Threats and risks to telecommunications systems; 2.3.1. Role of telecommunications systems; 2.3.2. Threat models in telecommunications systems; 2.3.3. Homogeneity vs. heterogeneity; 2.3.4. The Internet and security; 2.3.5. The role of the medium; 2.3.6. Risks to the infrastructure; 2.3.7. Personal risks; 2.4. From wireline vulnerabilities to vulnerabilities in wireless communications; 2.4.1. Changing the medium; 2.4.2. Wireless terminals; 2.4.3. New services; 2.5. Conclusions
 2.6. Bibliography
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 3.3.4. IPsec VPN and SSL VPN; 3.4. Authentication; 3.4.1. Authentication mechanisms.; 3.4.2. AAA protocols to control access to a private network or an operator's network; 3.5. Access control; 3.5.1. Firewalls; 3.5.2. Intrusion detection; 3.6. Conclusions; 3.7. Bibliography; Chapter 4. Wi-Fi Security Dedicated Architectures; 4.1. Introduction; 4.2. Hot spot architecture: captive portals; 4.2.1. Overview; 4.2.2. Captive portal overview; 4.2.3. Security analysis; 4.2.4. Conclusions; 4.3. Wireless intrusion detection systems (WIDS); 4.3.1. Introduction
 4.3.2. Wireless intrusion detection systems architectures

Sommario/riassunto

This book provides a thorough examination and analysis of cutting-edge research and security solutions in wireless and mobile networks. It begins with coverage of the basic security concepts and fundamentals which underpin and provide the knowledge necessary for understanding and evaluating security issues, challenges, and solutions. This material will be of invaluable use to all those working in the network security field, and especially to the many people entering the field. The next area of focus is on the security issues and available solutions associated with off-the-shelf wireless and mo
