

Analyzing Computer Security A Threat Vulnerability Countermeasure Approach

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in this book the authors of the 20 year best selling classic security in computing take a fresh contemporary and powerfully relevant new approach to introducing computer security organised around attacks and mitigations the pfleegers new analyzing computer security will attract students attention by building on the high profile security failures they may have already encountered in the popular media each section starts with an attack description next the authors explain the vulnerabilities that have allowed this attack to occur with this foundation in place they systematically present today s most effective countermeasures for blocking or weakening the attack one step at a time students progress from attack problem harm to solution protection mitigation building the powerful real world problem solving skills they need to succeed as information security professionals analyzing computer security addresses crucial contemporary computer security themes throughout including effective security management and risk analysis economics and quantitative study privacy ethics and laws and the use of overlapping controls the authors also present significant new material on computer forensics insiders human factors and trust

these proceedings represent the work of researchers participating in the 13th international conference on cyber warfare and security iccws 2018 which is being hosted this year by the national defense university in washington dc usa on 8 9 march 2018

understanding an organization s reliance on information systems and how to mitigate the vulnerabilities of these

systems can be an intimidating challenge especially when considering less well known weaknesses or even unknown vulnerabilities that have not yet been exploited the authors introduce the vulnerability assessment and mitigation methodology a six step process that uses a top down approach to protect against future threats and system failures while mitigating current and past threats and weaknesses

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