Introduction to Digital Forensics

A Hands-on Practical Approach

- Ties theory with hands-on lab exercises, helping students gain a better understanding of digital forensics, gaining hands-on experience in collecting and preserving digital evidence
- Covers more than 20 topics in digital forensics, all of which stand on their own and not dependent on previous parts. This independence gives instructors flexibility in determining what parts from the text they want to cover and in what order
- Each forensic topic is composed of two parts: background knowledge and practical exercises. Each theoretical or background section concludes with a series of quiz questions to test students’ understanding of the material, while the practical exercises are intended to afford students the opportunity to apply the concepts introduced in the section on background knowledge. This experience-oriented textbook is meant to assist students in gaining a better understanding of digital forensics through hands-on practice in collecting and preserving digital evidence by completing various exercises. With 20 student-directed, inquiry-based practice exercises, students will better understand digital forensic concepts and learn digital forensic investigation techniques. This textbook is intended for upper undergraduate and graduate-level students who are taking digital-forensic related courses or working in digital forensics research.

# Introductory Computer Forensics

A Hands-on Practical Approach

This textbook provides an introduction to digital forensics, a rapidly evolving field for solving crimes. Beginning with the basic concepts of computer forensics, each of the book's 21 chapters focuses on a particular forensic topic composed of two parts: background knowledge and hands-on experience through practice exercises. Each theoretical or background section concludes with a series of review questions, which are prepared to test students' understanding of the materials, while the practice exercises are intended to afford students the opportunity to apply the concepts introduced in the section on background knowledge. This experience-oriented textbook is meant to assist students in gaining a better understanding of digital forensics through hands-on practice in collecting and preserving digital evidence by completing various exercises. With 20 student-directed, inquiry-based practice exercises, students will better understand digital forensic concepts and learn digital forensic investigation techniques. This textbook is intended for upper undergraduate and graduate-level students who are taking digital-forensic related courses or working in digital forensics research.