

1. Record Nr.	UNINA9910416527603321
Titolo	Accelerated Pavement Testing to Transport Infrastructure Innovation [[electronic resource]] : Proceedings of 6th APT Conference // edited by Armelle Chabot, Pierre Hornych, John Harvey, Luis Guillermo Loria-Salazar
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-55236-5
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (724 pages)
Collana	Lecture Notes in Civil Engineering, , 2366-2557 ; ; 96
Disciplina	625.8
Soggetti	Building materials Materials science Building Strength of materials Engineering geology Foundations Hydraulics Building Materials Characterization and Evaluation of Materials Building Construction and Design Geoengineering, Foundations, Hydraulics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This volume gathers the latest advances, innovations, and applications in the field of accelerated pavement testing (APT), presented at the 6th International Conference on Accelerated Pavement Testing, in Nantes, France, on September 27-29, 2021. Discussing APT, which involves rapid testing of full-scale pavement constructions for structural deterioration, the book covers topics such as APT facilities, APT of asphalt concrete and sustainable/innovative materials, APT for airfield pavements, testing of maintenance and rehabilitation solutions, testing

of smart and multi-functional pavements, data analysis and modeling, monitoring and non-destructive testing, and efficient means of calibrating/developing pavement design methods. Featuring peer-reviewed contributions by leading international researchers and engineers, the book is a timely and highly relevant resource for materials scientists and engineers interested in determining the performance of pavement structures during their service life (10+ years) in a few weeks or months.

2. Record Nr.	UNINA9910787084803321
Autore	Makin David Alan
Titolo	DNA and Property Crime Scene Investigation : Forensic Evidence and Law Enforcement
Pubbl/distr/stampa	Florence, : Taylor and Francis, 2015
ISBN	1-4557-7635-1 1-317-52276-1 1-315-72169-4 1-317-52275-3
Descrizione fisica	1 online resource (242 p.)
Disciplina	363.252
Soggetti	Crime scene searches DNA fingerprinting Evidence, Criminal Forensic sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	""Cover""; ""Half Title""; ""Title Page""; ""Copyright Page""; ""Table of Contents""; ""Foreword""; ""Acknowledgments""; ""Chapter 1 A Series of Questions""; ""A Brief History""; ""Where It Started""; ""The Broader Aim""; ""Why Property Crime Scenes?""; ""The Study""; ""Structuring A Theoretical and Practical Analysis""; ""Chapter 2 Transition the Lens""; ""Philosophical Justification""; ""Practical Justification""; ""Conclusion""; ""Chapter 3 Forensic Science and the Criminal Justice System""; ""Early

History of Forensics Within the Police Service"; ""The Science of DNA""; ""History of DNA in Criminal Justice""; ""Forensic Technology: Generational Improvements""; ""Forensic Technology: The Costs of Processing""; ""Forensic Technology: From Technician to Robot""; ""Forensic Technology: Issues of Accountability""; ""Conclusion""; ""Chapter 4 The Police Organization, Forensics, and the Investigation Process""; ""The Investigative Process with DNA Evidence""; ""Officer Training""; ""Technology Development and Implementation within the Police Service""; ""Criminal NonSpecialization and Sex Offenders""; ""Statutes of Limitations and Property Crime""; ""Shifting the Burden""; ""Conclusion""; ""Chapter 5 Collecting Genetic Forensic Evidence""; ""Buccal Swabs""; ""Sexual Assault Examination Kit (SAEK)""; ""Blood Swabs""; ""Wearer Samples (Items Worn By a Person)""; ""Touch Samples (Items Touched By a Person)""; ""Conclusion""; ""Chapter 6 Research Methodology""; ""Design Overview""; ""Limitations of Design Study""; ""Conclusion""; ""Chapter 7 Research Findings""; ""Stakeholder Interview Results""; ""National Survey Results""; ""Mixed-Methods Analysis""; ""Chapter 8 Where Do We Go from Here?""; ""Looking Forward: Challenging the Dominant Paradigm of Police Practice""; ""Looking Forward: The Lab and the Lab Technicians""; ""Policy Recommendations""; ""Research Strengths and Limitations""; ""Direction of Future Research""; ""Conclusion""; ""Chapter 9 A Police Chief's Perspective""; ""References""; ""Index""

Sommario/riassunto

Traditionally, forensic investigation has not been fully utilized in the investigation of property crime. This ground-breaking book examines the experiences of patrol officers, command staff, detectives, and chiefs as they navigate the expectations of forensic evidence in criminal cases, specifically property crimes cases. DNA and Property Crime Scene Investigation looks at the current state of forensic technology and, using interviews with police officers, command staff, forensic technicians, and prosecutors, elucidates who is doing the work of forensic investigation. It explores how better training can decrease backlogs in forensic evidence processing and prevent mishandling of crucial evidence. Concluding with a police chief's perspective on the approach, DNA and Property Crime Scene Investigation provides insight into an emerging and important approach to property crime scene investigation. Key Features Provides practical information on implementing forensic investigation for property crimes Examines the current state of forensic technology and points to future trends Includes a police chief's perspective on the forensic approach to investigating property crimes Utilizes interviews with professionals in the field to demonstrate the benefits of the approach.
