

Amy Neustein · Hemant A. Patil *Editors*

Forensic Speaker Recognition

Law Enforcement and Counter-Terrorism

 Springer

Forensic Speaker Recognition Law Enforcement And Counter Terrorism 2011 10 04

Amy Neustein,Hemant A. Patil



Forensic Speaker Recognition Law Enforcement And Counter Terrorism 2011 10 04:

Forensic Speaker Recognition Amy Neustein, Hemant A. Patil, 2011-10-05 Forensic Speaker Recognition Law Enforcement and Counter Terrorism is an anthology of the research findings of 35 speaker recognition experts from around the world. The volume provides a multidimensional view of the complex science involved in determining whether a suspect's voice truly matches forensic speech samples collected by law enforcement and counter terrorism agencies that are associated with the commission of a terrorist act or other crimes. While addressing such topics as the challenges of forensic case work handling speech signal degradation, analyzing features of speaker recognition to optimize voice verification system performance and designing voice applications that meet the practical needs of law enforcement and counter terrorism agencies, this material all sounds a common theme: how the rigors of forensic utility are demanding new levels of excellence in all aspects of speaker recognition. The contributors are among the most eminent scientists in speech engineering and signal processing and their work represents such diverse countries as Switzerland, Sweden, Italy, France, Japan, India, and the United States. Forensic Speaker Recognition is a useful book for forensic speech scientists, speech signal processing experts, speech system developers, criminal prosecutors, and counter terrorism intelligence officers and agents. [Handbook of Biometrics for Forensic Science](#) Massimo Tistarelli, Christophe Champod, 2017-02-01 This comprehensive handbook addresses the sophisticated forensic threats and challenges that have arisen in the modern digital age and reviews the new computing solutions that have been proposed to tackle them. These include identity-related scenarios which cannot be solved with traditional approaches such as attacks on security systems and the identification of abnormal dangerous behaviors from remote cameras. Features: provides an in-depth analysis of the state of the art together with a broad review of the available technologies and their potential applications; discusses potential future developments in the adoption of advanced technologies for the automated or semi-automated analysis of forensic traces; presents a particular focus on the acquisition and processing of data from real-world forensic cases; offers an holistic perspective integrating work from different research institutions and combining viewpoints from both biometric technologies and forensic science. **Human and Automatic Speaker Recognition over Telecommunication Channels** Laura Fernández Gallardo, 2015-08-17 This work addresses the evaluation of the human and the automatic speaker recognition performances under different channel distortions caused by bandwidth limitation, codecs, and electro-acoustic user interfaces among other impairments. Its main contribution is the demonstration of the benefits of communication channels of extended bandwidth together with an insight into how speaker specific characteristics of speech are preserved through different transmissions. It provides sufficient motivation for considering speaker recognition as a criterion for the migration from narrowband to enhanced bandwidths such as wideband and super wideband. **Manual of Romance Forensic Linguistics** Victoria Guillén-Nieto, Dieter Stein, 2025-06-02 It is evident that published serious science-based work in Forensic Linguistics is predominantly written in English and focuses on

casework from the English speaking world While the first aspect is understandable given that English serves as an international lingua franca in scientific discourse the second aspect presents a significant limitation for the field Should researchers assume that there is simply less crime in non English speaking areas of the world A more pertinent question might be What cultural disciplinary legal or legal cultural factors contribute to the lack of research in and on languages other than English In addition to addressing the underrepresentation of Romance languages in scientific publications related to forensic work the chapters in this handbook will also explore the reasons behind this unfortunate situation Designed to engage readers whether they are linguists legal professionals or simply interested individuals and to spark interest in Romance Forensic Linguistics this handbook follows three key objectives First we are committed to providing a comprehensive overview of the casework and research conducted in and on several Romance languages including Peninsular Spanish Catalan Brazilian Portuguese French Canadian French Italian and Romanian Second the chapters in this volume seek to understand why Forensic Linguistics has thrived more in some Romance speaking countries than in others Finally we aim to uncover the reasons for the slower development of Forensic Linguistics in regions where Romance languages are predominantly spoken

New Trends and Developments in Biometrics Jucheng Yang, Shan Juan Xie, 2012-11-28 In recent years biometrics has developed rapidly with its worldwide applications for daily life New trends and novel developments have been proposed to acquire and process many different biometric traits The ignored challenges in the past and potential problems need to be thought together and deeply integrated The key objective of the book is to keep up with the new technologies on some recent theoretical development as well as new trends of applications in biometrics The topics covered in this book reflect well both aspects of development They include the new development in forensic speaker recognition 3D and thermo face recognition finger vein recognition contact less biometric system hand geometry recognition biometric performance evaluation multi biometric template protection and novel subfields in the new challenge fields The book consists of 13 chapters It is divided into four sections namely theory and method performance evaluation security and template protection and other applications The book was reviewed by editors Dr Jucheng Yang and Dr Shanjuan Xie We deeply appreciate the efforts of our guest editors Dr Norman Poh Dr Loris Nanni Dr Dongsun Park Dr Sook Yoon and Ms Congcong Xiong as well as a number of anonymous reviewers

The Washington Post Index ,2009

Who's who in Finance and Business ,2008

Anti-terrorism, Forensic Science, Psychology In Police Investigations John S Major, 2019-03-06 This book presents a broad selection of the papers presented at IDENTA 85 on various topics including counter terrorism Israel s experience with terrorism police and terrorism and psychological methods forensic science and voice identification in criminal investigation The conference on International Congress on Technologies for Police Identification Counter Terrorism was held in 1985 in Jerusalem

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