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| 1. Record Nr.           | UNINA9911019806503321   |
| Titolo                  | Modern drying technology . Volume 2 Experimental techniques // edited by Evangelos Tsotsas and Arun S. Mujumdar   |
| Pubbl/distr/stampa      | Weinheim, : Wiley-VCH, c2009  |
| ISBN                    | 9786613370440<br>9781283370448<br>1283370441<br>9783527631650<br>3527631658<br>9783527631643<br>352763164X  |
| Descrizione fisica      | 1 online resource (414 p.)  |
| Collana                 | Modern Drying Technology  |
| Altri autori (Persone)  | TsotsasEvangelos<br>MujumdarA. S  |
| Disciplina              | 660.28426<br>667/.9   |
| Soggetti                | Drying<br>Drying - Technological innovations  |
| 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       | Modern Drying Technology Volume- 2; Contents; Series Preface; Preface of Volume 2; List of Contributors; Recommended Notation; EFCE Working Party on Drying: Address List; 1 Measurement of Average Moisture Content and Drying Kinetics for Single Particles, Droplets and Dryers; 1.1 Introduction and Overview; 1.2 Magnetic Suspension Balance; 1.2.1 Determination of Single Particle Drying Kinetics - General Remarks; 1.2.2 Configuration and Periphery of Magnetic Suspension Balance; 1.2.3 Discussion of Selected Experimental Results; 1.3 Infrared Spectroscopy and Dew Point Measurement<br>1.3.1 Measurement for Particle Systems - General Remarks1.3.2 Experimental Set-Up; 1.3.3 Principle of Measurement with the Infrared Spectrometer; 1.3.4 Dew Point Mirror for Calibration of IR Spectrometer; 1.3.5 Testing the Calibration; 1.3.6 A Case Study: Determination of Single Particle Drying Kinetics of Powdery Material; |

1.4 Coulometry and Nuclear Magnetic Resonance; 1.4.1 Particle Moisture as a Distributed Property; 1.4.2 Modeling the Distribution of Solids Moisture at the Outlet of a Continuous Fluidized Bed Dryer; 1.4.3 Challenges in Validating the Model; 1.4.4 Coulometry; 1.4.5 Nuclear Magnetic Resonance; 1.4.6 Combination of Both Methods; 1.4.7 Experimental Moisture Distributions and Assessment of Model; 1.5 Acoustic Levitation; 1.5.1 Introductory Remarks; 1.5.2 Some Useful Definitions; 1.5.3 Forces in a Standing Acoustic Wave; 1.5.4 Interactions of a Droplet with the Sound Pressure Field; 1.5.4.1 Deformation of Droplet Shape; 1.5.4.2 Primary and Secondary Acoustic Streaming; 1.5.4.3 Effects of Changing Droplet Size; 1.5.5 Single Droplet Drying in an Acoustic Levitator; 1.5.5.1 Drying Rate of a Spherical Solvent Droplet; 1.5.5.2 Drying Rate of an Acoustically Levitated Solvent Droplet; 1.5.5.3 Drying Rate of Droplets of Solutions or Suspensions; 1.5.6 A Case Study: Single Droplet Drying of Water and an Aqueous Carbohydrate Solution; 1.5.6.1 A Typical Acoustic Levitator; 1.5.6.2 Evaporation Rates of Acoustically-Levitated Pure Water Droplets; 1.5.6.3 Evaporation Rates and Particle Formation with Aqueous Mannitol Solution Droplets; 1.6 Concluding Remarks; References; 2 Near-Infrared Spectral Imaging for Visualization of Moisture Distribution in Foods; 2.1 Introduction; 2.2 Principles of Near-Infrared Spectral Imaging; 2.2.1 Near-Infrared Spectroscopy; 2.2.2 Lambert-Beer Law; 2.2.3 Hyperspectrum; 2.2.4 Classification by Spectral Information Acquisition Technique; 2.2.5 Classification by Spatial Information Acquisition Technique; 2.3 Image Processing; 2.3.1 Extraction of Spectral Images from a Hyperspectrum; 2.3.2 Noise and Shading Correction; 2.3.3 Conversion into Absorbance Image; 2.3.4 Acquisition and Pretreatment of Spectral Data; 2.3.5 Analysis of Absorbance Spectra; 2.3.6 Visualization of Constituent Distribution; 2.4 Applications of Near-Infrared Spectral Imaging for Visualization of Moisture Distribution

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## Sommario/riassunto

Volume two of a five-volume handbook that provides a comprehensive overview of all important aspects of modern drying technology, presenting high-level, cutting-edge results. Volume 2 comprises modern experimental techniques such as magnetic resonance imaging for measurement and visualisation of moisture profiles in the interior of porous bodies during drying, Raman spectroscopy for measurement of concentration profiles during the drying of thin films/coatings and analytical methods for measurement of drying kinetics. Other modern experimental techniques covered include sorption equilibri

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| 2. Record Nr.           | UNINA9911019155303321  |
| Titolo                  | Handbook of psychology of investigative interviewing : current developments and future directions // edited by Ray Bull, Tim Valentine and Tom Williamson  |
| Pubbl/distr/stampa      | Malden, MA, : John Wiley, 2009   |
| ISBN                    | 9786612199073<br>9781282199071<br>1282199072<br>9781780341095<br>1780341091<br>9781119972419<br>1119972418<br>9781444331530<br>1444331531<br>9780470747599<br>0470747595<br>9780470747605<br>0470747609  |
| Edizione                | [1st ed.]  |
| Descrizione fisica      | 1 online resource (361 p.)   |
| Altri autori (Persone)  | BullRay<br>ValentineTim <1959-><br>WilliamsonTom   |
| Disciplina              | 363.25/4019  |
| Soggetti                | Interviewing in law enforcement - Psychological aspects<br>Police questioning - Psychological aspects<br>Criminal investigation - Psychological aspects  |
| Lingua di pubblicazione | Inglese  |
| Formato                 | Materiale a stampa   |
| Livello bibliografico   | Monografia   |
| Note generali           | Includes index.  |
| Nota di contenuto       | Handbook of Psychology of Investigative Interviewing: Current Developments and Future Directions; Contents; About the Editors; About the Contributors; Preface; Chapter One: The Psychology of Suspects' Decision-Making during Interrogation ; Chapter Two: A |

Typology of Denial Strategies by Suspects in Criminal Investigations; Chapter Three: A Structured Model for Investigative Interviewing of Suspects; Chapter Four: Finding False Confessions; Chapter Five: The Investigation of Terrorist Offences in the United Kingdom: The Context and Climate for Interviewing Officers Chapter Six: From Criminal Justice to Control Process: Interrogation in a Changing ContextChapter Seven: Major Crime (Investigative Powers) Act 2004: The Chief Examiner and Coercive Powers; Chapter Eight: The Relation between Consistency and Accuracy of Eyewitness Testimony: Legal versus Cognitive Explanations; Chapter Nine: The Cognitive Interview: Research and Practice across the Lifespan; Chapter Ten: Investigative Interviewing in the Courtroom: Child Witnesses under Cross-Examination; Chapter Eleven: Recovered Memories Chapter Twelve: Obtaining and Interpreting Eyewitness Identification Test Evidence: The Influence of Police-Witness InteractionsChapter Thirteen: Recent Developments in Eyewitness Identification Procedures in the United Kingdom; Chapter Fourteen: A Method to Enhance Person Description: A Field Study; Chapter Fifteen: Recent Developments in North American Identification Science and Practice; Chapter Sixteen: Truthfulness in Witnesses' and Suspects' Reports; Chapter Seventeen: Evaluating Truthfulness: Detecting Truths and Lies in Forensic Contexts; Index

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## Sommario/riassunto

Investigative interviewing, and the information obtained from witnesses and victims, plays a vital role in criminal investigations. This comprehensive handbook explores current developments taking place in this rapidly developing field. \* An authoritative handbook created by prestigious editors and an international team of recognised authors \* International in its focus - the book assesses current developments taking place in several countries \* Takes a holistic approach to the process by including sections on eyewitness identification and evaluating truthfulness

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