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Nota di contenuto	Digital Holography for MEMS and Microsystem Metrology; Contents; About the Editor; Contributors; Series Preface; Acknowledgements; Abbreviations; 1 Introduction; 2 Digital Reflection Holography and Applications; 2.1 Introduction to Digital Holography and Methods; 2.1.1 Holography and Digital Holography; 2.1.2 Digital Recording Mechanism; 2.1.3 Numerical Reconstruction Methods; 2.2 Reflection Digital Holographic Microscope (DHM) Systems Development; 2.2.1 Optical Systems and Methodology; 2.3 3D Imaging, Static and Dynamic Measurements; 2.3.1 Numerical Phase and 3D Measurements 2.3.2 Digital Holographic Interferometry2.4 MEMS/Microsystems Characterization Applications; 2.4.1 3D Measurements; 2.4.2 Static Measurements and Dynamic Interferometric Measurement; 2.4.3 Vibration Analysis; References; 3 Digital Transmission Holography and

Applications; 3.1 Historical Introduction; 3.2 The Foundation of Digital Holography [30]; 3.2.1 Theoretical Analysis of Wavefront Interference; 3.2.2 Digital Hologram Recording and Reconstruction; 3.2.3 Different Numerical Reconstruction Algorithms; 3.3 Digital Holographic Microscopy System
3.3.1 Digital Holographic Microscopy with Physical Spherical Phase Compensation3.3.2 Lens-Less Common-Path Digital Holographic Microscope; 3.3.3 Common-Path Digital Holographic Microscope; 3.3.4 Digital Holographic Microscopy with Quasi-Physical Spherical Phase Compensation : Light with Long Coherence Length; 3.3.5 Digital Holographic Microscopy with Quasi-Physical Spherical Phase Compensation : Light with Short Coherence Length; 3.4 Conclusion; References; 4 Digital In-Line Holography and Applications; 4.1 Background; 4.2 Digital In-Line Holography; 4.2.1 Recording and Reconstruction
4.3 Methodology for 2D Measurement of Micro-Particles4.3.1 Numerical Reconstruction, Pre-Processing and Background Correction; 4.3.2 Image Segmentation; 4.3.3 Particle Focusing; 4.3.4 Particle Size Measurement; 4.4 Validation and Performance of the 2D Measurement Method; 4.4.1 Verification of the Focusing Algorithm; 4.4.2 Spherical Beads on a Glass Slide; 4.4.3 Microspheres in a Flowing System Normalized Population; 4.4.4 10 m Microspheres Suspension; 4.4.5 Measurement of Microfibers; 4.5 Methodology for 3D Measurement of Micro-Fibers; 4.5.1 Method 1: The 3D Point Cloud Method
4.5.2 Method 2: The Superimposition Method4.6 Validation and Performance of the 3D Measurement Methods; 4.6.1 Experiment with a Single Fiber; 4.6.2 3D Measurements of Micro-Fibers in Suspension; 4.7 Conclusion; References; 5 Other Applications; 5.1 Recording Plane Division Multiplexing (RDM) in Digital Holography for Resolution Enhancement; 5.1.1 Introduction of the Recording Plane Division Multiplexing Technique; 5.1.1.1 The SM Technique; 5.1.1.2 The ADM Technique; 5.1.1.3 The WDM Technique; 5.1.1.4 The PM Technique; 5.1.2 RDM Implemented in Pulsed Digital Holography for Ultra-Fast Recording
5.1.2.1 Introduction

Sommario/riassunto

Approaching the topic of digital holography from the practical perspective of industrial inspection, Digital Holography for MEMS and Microsystem Metrology describes the process of digital holography and its growing applications for MEMS characterization, residual stress measurement, design and evaluation, and device testing and inspection. Asundi also provides a thorough theoretical grounding that enables the reader to understand basic concepts and thus identify areas where this technique can be adopted. This combination of both practical and theoretical approach will ensure the

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Autore	Duchoová Diana
Titolo	Die frühneuzeitliche Adelsküche im Königreich Ungarn : Küchenorganisation, Speisen und Getränke / / Diana Duchoová, Tünde Lengyelová
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Soggetti	Neuzeit Geschichte Adel Lebensmittel Essen
Lingua di pubblicazione	Tedesco
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Sommario/riassunto	Die heutige Slowakei, in der frühen Neuzeit Teil des Ungarischen Königreiches, wird als das Land der Burgen bezeichnet. Auch wenn heute die meisten nur noch verlassene Ruinen auf unzugänglichen Hügeln sind, so waren sie einst lebendige Mikrokosmen, Orte, die den Alltag und das tägliche Leben ihrer Eigentümer, Höflinge, Beamten und der Dienerschaft beheimateten und widerspiegelten. Die pompösen aristokratischen Hofrituale jener Zeit waren Abbild der gesellschaftlichen Stellung und des Ansehens der Fürsten. Diana Duchoová und Tünde Lengyelová führen den Leser in die Versorgung der Adelsküche ein, die im 16. und 17. Jahrhundert von den Vorlieben der Aristokratenfamilie und den Produkten und Angeboten, welche die Untertanen produzierten oder die Märkte der naheliegenden Städte bereit hielten, beeinflusst war. Dabei geben sie anhand akribischer Archivarbeit einzigartige Einblicke über das Kochen und Speisen bei Hofe. Das vorliegende Buch ist die erste und bislang einzige umfassende Auseinandersetzung in der slowakischen Fachliteratur mit

dem Thema des Speisens des Adels und liegt hiermit erstmals in deutscher Sprache vor. Ergänzt werden die Forschungsarbeiten durch eine Rezeptsammlung aus der frühen Neuzeit, die den Leser zum Nachkochen und damit Erleben der Speisen aus vergangenen Zeiten einlädt.