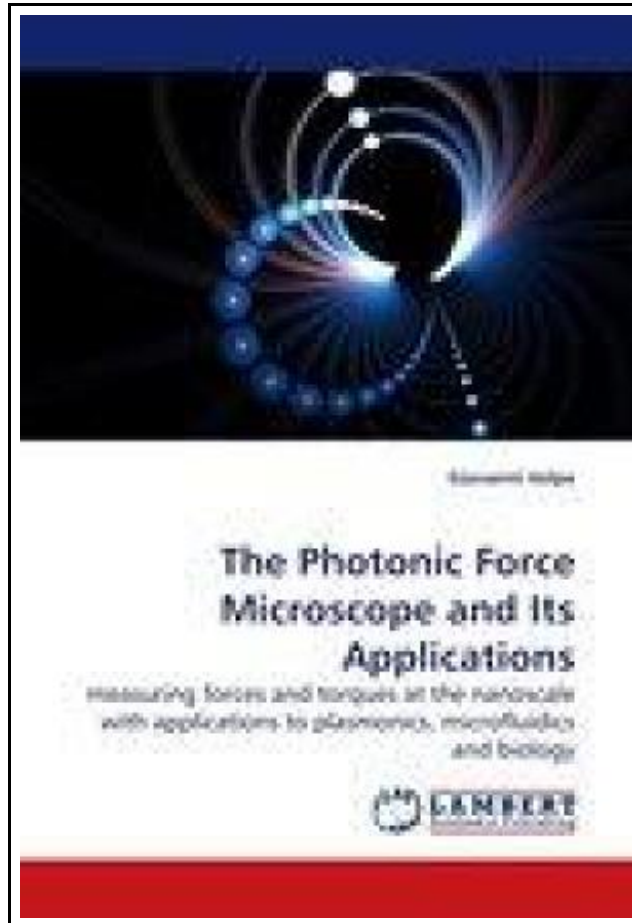


The Photonic Force Microscope and Its Applications



Filesize: 8.55 MB

Reviews

It in a of the best publication. It really is loaded with knowledge and wisdom You may like the way the blogger write this ebook.

(Prof. Shannon Wehner PhD)

THE PHOTONIC FORCE MICROSCOPE AND ITS APPLICATIONS

[DOWNLOAD](#)

LAP Lambert Acad. Publ. Okt 2009, 2009. Taschenbuch. Book Condition: Neu. 220x150x11 mm. This item is printed on demand - Print on Demand Neuware - The ability of detecting forces and torques at the micro- and nano- scale is of fundamental importance. The photonic force microscope (PFM) had been employed to measure forces in the range of femto- to pico-Newton in many different fields with exciting applications in biophysics, thermodynamics of small systems, and colloidal physics. Here, after an introductory overview of a typical PFM setup, we discuss the three main aspects necessary to understand the PFM, i.e. optical trapping, Brownian motion in an optical trap, and position detection. In the second part of the book, we describe some applications of the PFM: the measurement of plasmon radiation forces, the photonic torque microscope and the measurement of the torque produced by a vortex light beam, the measurement of the characteristics of microscopic flows, and some applications with trapped cells. 188 pp. Englisch.

[Read The Photonic Force Microscope and Its Applications Online](#)[Download PDF The Photonic Force Microscope and Its Applications](#)

Related Books



Psychologisches Testverfahren

Reference Series Books LLC Nov 2011, 2011. Taschenbuch. Book Condition: Neu. 249x191x7 mm. This item is printed on demand - Print on Demand Neuware - Quelle: Wikipedia. Seiten: 100. Kapitel: Myers-Briggs-Typindikator, Keirsey Temperament Sorter, DISG,...

[Download Document »](#)



Programming in D

Ali Cehreli Dez 2015, 2015. Buch. Book Condition: Neu. 264x182x53 mm. This item is printed on demand - Print on Demand Neuware - The main aim of this book is to teach D to readers...

[Download Document »](#)



Coping with Chloe

Phoenix Yard Books. Paperback. Book Condition: new. BRAND NEW, Coping with Chloe, Rosalie Warren, Anna and Chloe are twins. They share everything. Even Chloe's terrible accident hasn't split them apart. But Anna is beginning to...

[Download Document »](#)



Instrumentation and Control Systems

Elsevier Science & Technology. Paperback. Book Condition: new. BRAND NEW PRINT ON DEMAND., Instrumentation and Control Systems, William Bolton, In a clear and readable style, Bill Bolton addresses the basic principles of modern instrumentation and...

[Download Document »](#)



Silverlight 5 in Action

Manning Publications. Paperback. Book Condition: New. Paperback. 1000 pages. Dimensions: 9.2in. x 7.3in. x 2.0in. Summary A thorough revision of the bestselling Silverlight 4 in Action. This comprehensive guide teaches Silverlight from the ground up, covering...

[Download Document »](#)