


[DOWNLOAD](#)


## Induced transformation in amorphous chalcogenides

By Takáts, Viktor

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Photon and electron induced transformations and pattern formation in amorphous chalcogenide nano-layers | Chalcogenide glasses or, more generally, amorphous chalcogenides are known as excellent materials for optoelectronics. The interest in amorphous nanolayered materials is caused by the wide range of tunable properties. Their physical properties are variable depending on the composition and they are easily tailored by external excitation such as light, e-beam or other sources of energy. They have an important property to undergo various specific, peculiar only to chalcogenides, structural transformations. These structural transformations are accompanied by the change of their electric and optical properties. Therefore they have found several applications in optoelectronics and photonics. The present thesis contains new results and conclusions on laser light and e-beam induced volume expansion and surface pattern formation investigated in the selected Se/As<sub>2</sub>S<sub>3</sub>, Ge<sub>20</sub>Se<sub>80</sub>/Ge<sub>33</sub>S<sub>67</sub> and Sb/As<sub>2</sub>S<sub>3</sub> nanolayered structures. The obtained results give a new insight into the mechanism of stimulated transformation and characteristics of the nanol | Format: Paperback | Language/Sprache: english | 160 gr | 220x150x6 mm | 108 pp.



[READ ONLINE](#)  
[ 954.41 KB ]

### Reviews

*It is great and fantastic. It can be written in easy phrases and never hard to understand. You will not really feel monotony at any time of your respective time (that's what catalogues are for concerning if you request me).*

-- **Michel Halvorson**

*This book may be worth buying. I have read and I am confident that I am going to plan to go through once more once again in the future. It has been written in an exceptionally easy way and it is simply soon after I finished reading this publication in which it actually altered me, modified the way I believe.*

-- **Faye Shanahan**

## Other Books



### **What You Need to Know Before You Shell Out ,000 (or More) on a Patent: Doctor in Charge of Patent Funding at a Major University Reveals How She Decides Which Ideas Are Worth Protecting, and Which**

Createspace, United States, 2014. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This book is going to present to you a very different take on patenting ideas. In fact, you re going...



### **If I Have to Tell You One More Time: the Revolutionary Program That Gets Your Kids to Listen without Nagging, Reminding or Yelling**

Tarcher/Putnam,US, United States, 2012. Paperback. Book Condition: New. 206 x 137 mm. Language: English . Brand New Book. The Revolutionary Program That Gets Your Kids To Listen Without Nagging, Reminding, or Yelling Why does it feel sometimes as if our children have...



### **Slavonic Rhapsodies, Op.45 / B.86: Study Score**

Petrucci Library Press, United States, 2015. Paperback. Book Condition: New. 244 x 170 mm. Language: English Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.The first of the three Slovanske rapsodie was composed from February 13 to March 17 of 1878, followed sonn...



### **Fifty Years Hence, or What May Be in 1943**

Createspace, United States, 2015. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. Fifty Years Hence is a quasi-fictional work by Robert Grimshaw, a professional engineer, with the intent of making a...



### **My Life as an Experiment: One Man s Humble Quest to Improve Himself by Living as a Woman, Becoming George Washington, Telling No Lies, and Other Radical Tests**

SIMON SCHUSTER, United States, 2010. Paperback. Book Condition: New. Reprint. 212 x 138 mm. Language: English . Brand New Book. One man. Ten extraordinary quests. Bestselling author and human guinea pig A. J. Jacobs puts his life to the test and reports...



### **Smile/Cry: Happy or Sad, Wailing or Glad - How Do You Feel Today?**

Exisle Publishing (Australia). Hardback. Book Condition: new. BRAND NEW, Smile/Cry: Happy or Sad, Wailing or Glad - How Do You Feel Today?, Tania McCartney, Jess Racklyeft, An innovative flip-over picture book for young kids, showcasing the full emotional range of their formative...