

Proceedings of the
2nd NanoCharm European School
on Ellipsometry

NANOELLI09

Belgrade, Serbia,
August 30 – September 3, 2009

Contributed papers

Editors of the Proceedings:

Radoš Gajić
Milka Mirić

WARSAW

POLISH ACADEMY OF SCIENCES
INSTITUTE OF PHYSICS

Scientific Committee

Maria Losurdo, Italy
Kurt Hingerl, Austria
Josef Humlíček, Czech Republic
Antonello de Martino, France
Norbert Esser, Germany
Christoph Cobet, Germany
Denis Cattelan, France
Melanie Galliet, France
Eugene A. Irene, USA
Dmitri Khveshchenko, USA
Mariuca Gartner, Romania
Sergios Logothetidis, Greece
Argiris Laskarakis, Greece
Eugene Bortchagovsky, Ukraine
Roland Seitz, France
Michael Stchakovsky, France
Karsten Hinrichs, Germany

Organizing Committee

Radoš Gajić
Zoran V. Popović
Dragan Popović
Zorana Dohčević-Mitrović
Gordana Kodžo
Milka Mirić
Borislav Vasić
Tomislav Radić
Marko Radović
Novica Paunović
Đorđe Jovanović
Nikola Hajdin
Petar Miljanić

Preface

This book contains contributions to the “2nd European NanoCharm School on Ellipsometry”, NANOELLI09, held in Belgrade from August 31 to September 3, 2009. There were 16 invited speakers who gave 20 different lectures on ellipsometry from its basis to applications. Also, there were 20 poster presentations.

The objectives of NANOELLI09 were to provide information about characterization of nanosize systems by ellipsometry and polarimetry and their different applications in industry and nanotechnology. One of the tasks was to spread the knowledge and education of ellipsometry. The school was intended for students, researchers and small and medium enterprises interested in how to apply ellipsometric and polarimetric techniques for investigations of nanomaterials and nanosystems. In total, 58 participants attended the school. There were 14 different nationalities, most of them were from Europe, but there were also participants from Brasil and Iran. They came from 24 different institutions, with different backgrounds, including universities, research centers and companies. The school was organized by NanoCharm, whereas the local committee consisted of Institute of Physics, Belgrade and Serbian Academy of Sciences and Arts.

This issue of *Acta Physica Polonica A* contains selected contributed papers presented at NANOELLI09:

I. Stankovic, *Towards Understanding of Influence of Restricted Geometry on Self-Diffusion in Porous Media*

L. Vladimirova, G. Tsutsumanova, Al. Gritzkow, V. Savov, *Ellipsometrical and SEM study of Ferritin Adsorption on a Gold Surface*

M. Šćepanović, M. Grujić-Brojčin, D. Nesheva, Z. Levi, I. Bineva, Z.V. Popović, *Characterization of ZnSe Nanolayers by Spectroscopic Ellipsometry*

F. Placido, R. Birney, J. Kavanagh, *Investigation of Automotive Detailing Products by Ellipsometry and Contact Angle Analysis*

M. Mirić, R. Rudolf, I. Anžel, B. Hadžić, M. Romčević, J. Trajić, N. Romčević, *Ellipsometric Measurements of Plastically Deformed Copper*

R. Kostić, M. Mirić, T. Radić, M. Radović, R. Gajić, Z.V. Popović, *Optical Characterization of Graphene and Highly Oriented Pyrolytic Graphite*

Radoš Gajić and Milka Mirić