

**NSP FOTONIKA-LV section**  
**at the 80<sup>th</sup> Annual Scientific Conference of the University of Latvia**  
March 10 (*Thursday*)

**Quantum and Nonlinear Optics**

**10.00**            Opening speeches

10.15 – 12.00    Plenary lectures of invited keynote speakers:

1) 10.15 – 11.00

Prof. Sune Svanberg,  
“Multidisciplinary Laser Spectroscopy”

2) 11.00 – 11.45

Dr.Phys, ERA Chair Rashid Ganeev, Vyacheslav Kim,  
“Investigation of nonlinear optical processes in quantum dots and nanoparticles”

12.00 - 14.00    Lunch

14.00 – 17.00    Oral presentations:

3) 14.00 – 14.20

Uldis Berzins,  
“Participation in COST action MD-GAS”

4) 14.25 – 14.45

Stephan Malbrunot-Ettenauer, Uldis Berzins, Dag Hanstorp,  
“Isotope Shift “Measurements on Electron Affinity for Cl-“

5) 14.50 – 15.10

Janis Blahins, Armans Bziskjans,  
“Quadrupole Mass Selector rods assembly electronics circuitry solutions,  
development and RF measurements”

6) 15.15 – 15.35

Vyacheslav V. Kim, and Rashid A. Ganeev  
“Investigation of nonlinear optical processes in quantum dots and nanoparticles”

7) 15.40 – 15.55

Aigars Apsītis, Viesturs Silamiķelis  
“Levitation studies of metals and semiconductors in induction furnaces”