

Quantum and Nonlinear Optics

Thursday, March 10, 2022 - Thursday, March 10, 2022

Scientific Program

**NSP FOTONIKA-LV section
at the 80th 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*,

“Nonlinear optics and strong laser-matter interactions:
advances and perspectives”

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

Uldis Berzins, Dag Hanstorp, Henrik Hartman

“Laser probing of metastable Ba+ for lifetime measurements”

6) 15.15 – 15.35

Janis Blahins, Armans Bziskjans,

“Quadrupole Mass Selector rods assembly electronics circuitry solutions, development and RF measurements”

7) 15.40 - 16.00

Vyacheslav Kim

“Investigation of nonlinear optical processes in quantum dots and nanoparticles”

8) 16.05 - 16.25

Aigars Apsitis and Viesturs Silamiķelis

"Metal and semiconductor levitation investigations in induction furnaces"