

Konstantin Nikolaevich ELTSOV - CURRICULUM VITAE

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application

Born in Sochi, Russia, 31 July, 1954, Russian citizen.

Dr.Sci. in Physics, October 2008, A.M. Prokhorov General Physics Institute of Russian Academy of Sciences, Russia. Thesis title: "Solid State Surface under Action of Molecular Halogens"

Head of Department of Technologies and Measurements on Atomic Scale (Since 2011), A.M. Prokhorov General Physics Institute of Russian Academy of Sciences, Moscow.

Scientific fields

- Surface Science on Atomic Scale
- R&D of Scanning Probe Microscopes for Ultrahigh Vacuum

R&D management experience

- Chairman of International School Series on Surface Science "Technologies and Measurements on Atomic Scale"
- Head of International Joint Laboratory IMTAS (CNRS-RAS 2010-2013),
- CEO of R&D company "SIGMA SCAN Ltd.", since 2002 (<http://sigmascan.ru>).
- Member of Council of Condensed Matter of Russian Academy of Sciences. Head of Surface Science Subdivision of the Council.
- PI of several National and International grants.

RECENT PUBLICATIONS

1. V. Cherkez, B.V. Andryushechkin, B. Kierren, C. Didiot, Y. Fagot-Revurat, D. Malterre, V. V. Zheltov and K.N. Eltsov. Self-ordered nanoporous lattice formed by chlorine atoms on Au(111). *PHYS. REV. B* 93 (2016) 045432.
2. V. V. Zheltov, B. V. Andryushechkin, G. M. Zhidomirov, B. Kierren, Y. Fagot-Revurat, D. Malterre, and K. N. Eltsov. Chlorine adsorption on Cu(111) revisited: LT-STM and DFT study. *SURFACE SCIENCE* 639 (2015) 7–12.
3. V. V. Zheltov, V. V. Cherkez, B. V. Andryushechkin, G. M. Zhidomirov, B. Kierren, Y. Fagot-Revurat, D. Malterre, and K. N. Eltsov. Structural paradox in submonolayer chlorine coverage on Au(111). *PHYS. REV. B* 89 (2014) 195425
4. K.N. Eltsov, A.A. Vedeneev. Study of $4 \times 2/c(8 \times 2)-2 \times 4/c(2 \times 8)$ structural transition on GaAs(001) due to molecular iodine action. *JETP Letters* 99 (2014) 537-541.
5. B.V. Andryushechkin, V.V. Cherkez, E.V. Gladchenko, T.V. Pavlova, G.M. Zhidomirov, B. Kierren, C. Didiot, Y. Fagot-Revurat, D. Malterre, K.N. Eltsov. Self-Organization of Gold Chloride Molecules on Au(111) Surface. *J.PHYS.CHEM.C*, 117(2013)24948-24954
6. B.V. Andryushechkin, V.V. Cherkez, T.V. Pavlova, G.M. Zhidomirov, and K.N. Eltsov, Structural transformations of Cu(110) surface induced by adsorption of molecular chlorine, *Surf. Sci.*, 608 (2013) 135–145.