

**Nikolai G. BURMA**



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**Name:** Nikolai Burma

**Business Address:**

B.I. Verkin Institute for Low Temperature Physics & Engineering,  
National Academy of Sciences of Ukraine, 47 Nauky Ave.,  
61103 Kharkov, Ukraine

**Title:** Senior Researcher, Scientific degree: PhD

**Date and place of birth:** 01.03.1940, Kharkov, Ukraine

**Education, academic degrees and titles:**

Graduated from Kharkov Polytechnical Institute in 1962

Ph.D. (Solid State Physics), Institute for Low Temperature Physics and Engineering, Kharkov, Ukraine, 1985.

Senior Researcher Diploma (Solid State Physics), B.I. Verkin Institute for Low Temperature Physics & Engineering NASU, Kharkov, Ukraine, 2007

**Institutional Affiliations:**

Since 1962 has worked at ILTPE as an engineer, junior researcher, (1962-1986),  
from 1986 – leading researcher.

**Area of Expertise:** Piezomagnetic and Piezoelectric effects in solids, Electron properties of metals, Ultrasonic in superconductors;

**List of recent relevant publications:**

1. Kolodyazhnaya, M.P., Zvyagina, G.A., Bilych, I.V., Zhekov, K.R., Kharchenko, N.F., Fil, V.D. Low Temperature Physics, 2017, 43, N10, pp. 1240-1242

2. Kolodyazhnaya, M.P., Zvyagina, G.A., Gudim, I.A., Burma N.G, Zhekov, K.R., Fil, V.D. Low Temperature Physics , 2017, **43**, N8, pp. 924-929
3. Gaydamak, T. N., Gudim, I. A., Zvyagina, G. A., Bilych, I. V., Burma, N. G., Zhekov, K. R., & Fil, V. D. Low Temperature Physics, 2016, **41**, N8, pp. 614-618
4. Gaydamak, T.N., Gudim, I.A., Zvyagina, G.A., Bilych, I.V., Burma N.G., Zhekov, K.R., Fil, V.D. Physical Review B" **92** , B. 21-1 P. 214428-1-7,
5. Avramenko, Y.A., Bezuglyi, E.V., Burma, N.G., Fil, V.D. YA Avramenko, EV Bezuglyi, NG Burma, VD Fil, Physical Review B 84 (21), 214504 (2011)
6. VD Fil, TV Ignatova, NG Burma, AI Petrishin, DV Fil, NY Shitsevalova Low Temperature Physics 33 (12), 1019-1022 (2007)

**Number of papers published:** about 50, and 14 patents.