

# EXMONAN

AMSTERDAM (The Netherlands) from 25-29 June, 2018

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## CURRICULUM VITÆ

Title, Name, Surname: Prof. KHON Yuri

Date of birth: 07th November 1945

Place of birth: Altai, USSR

Civil status: Married, two children

Position: Head of nonlinear physics laboratory,

Affiliation: Institute of strength physics and material sciences SB RAS, Tomsk, Russia

### Experience

- Since 2006 Head of nonlinear physics laboratory of Institute of Strength Physics and Material Science SB RAS.
- 1992 –2006 Deputy Chairman of Tomsk scientific center SB RAS; head of laboratory “Theory of non-equilibrium states” of the Institute of Strength Physics and materials Science SB RAS.
- 1984-1992 Deputy director of Institute of Strength Physics and Material Science SB RAS;
- 1981-1984 Head of laboratory “Theory of solids” of Institute of Strength Physics and Material Science SB RAS.
- 1971-1981 Assistant professor of experimental physics department, Tomsk state university
- 1970-1971 Junior member of the research staff of experimental physics department, Tomsk state university.

### Education

- 1967-1970 Post-graduate, Tomsk state university
- 1962-1967 Student of physics, Tomsk state university

### Research Fields

Electron theory of metals and alloys. Theory of plastic deformation and fracture of solids. Theory of phase and structural transformation in stressed solids. Electric and magnetic properties of non-equilibrium systems.

### Main scientific production

Author and co-author of 3 books and about 120 articles, 3 Russian patents.

### Selected references

- G.A. Markov, Yu. A. Khon. Anomaly high conductivity of deformed metals for high electric current density. *Technical Physics Letters*. 1996, V. 22, #16, pp. 85-88.
- Yu.A. Khon. Dynamical configuration excitations and polarization of dielectrics under loading. *Technical Physics Letters*. 1998, V. 24, #7, pp. 79-82.
- P.P. Kaminskii, Yu.A. Khon. Macroscopic structures in crystals under loading. *Physical Mesomechanics*. 1999, V.2, #5, pp. 49-56.
- G.A. Markov, Yu. A. Khon. Special features in the magnetization of polycrystals in alternating opposite magnetic fields. *Technical Physics Letters*. 2001, V. 27, #9, pp. 792-794.
- Yu.A. Khon, Yu.A. Kolobov, M.I. Ivanov, A.V. Butenko. Non-equilibrium state of grain boundaries and spontaneous grain-boundary slippage in bicrystals. *Technical Physics Journal*. 2008, V.53, #3, pp.328-333.
- Yu.A. Khon, P.P. Kaminskii, L.B. Zuev. The effect of electric potential on the plastic deformation of conductors. *Journal of the solid state*. 2013, V. 55. #6, pp. 1047–1051.