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## S.G. ODOULOV (on his 60th Birthday)

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S.G. Odoulov, Professor, Doctor of Science, Corresponding Member of the National Academy of Sciences of Ukraine, was born on November 3, 1944 at the town of Pyatigorsk, Russia. He graduated from Kyiv secondary school N71 in 1961. In the same year, S. Odoulov entered the Radio-Physical Faculty of Taras Shevchenko Kyiv National University. He was graduated from the University in 1966.

S. Odoulov came to the Institute of Physics in October 1965 to make his diploma and started his professional record at the same Institute in 1966 as an engineer of the Department of Quantum Electronics. He became the post-graduate student in 1967 and successfully upheld his Ph. D. thesis under the supervision of M. Soskin in 1971. S. Odoulov defended

his Doctor of Science thesis (Habilitation) in 1989. In 1995, he was elected the Corresponding Member of the National Academy of Sciences.

S. Odoulov is the Leading Scientist in the Department of Quantum Electronics of the Institute of Physics NAS of Ukraine where he chairs the Dynamic Holography Group. He was the scientific supervisor of eleven post-graduate students who successfully defended their theses. Two his former subordinates have been awarded the Doctor of Science (Habilitation) degree.

The scientific interests of S. Odoulov lie in the sphere of modern coherent optics and the physics of nonlinear materials used for the storage and processing of optical information.

In the early 1970s, S. Odoulov actively participated in the development of the new field of nonlinear optics — dynamic holography. The fundamental paper by N.V.Kukhtarev, V.B. Markov, S.G. Odoulov, M.S. Soskin, V.L. Vinetskii, “Holographic storage in electro-optic crystals”, (*Ferroelectrics*, **22**, 946—964 (1979)) on this subject remains to be the most cited work in the photorefractive community until now. The number of references to this paper in different articles exceeds 1,000. He has developed new techniques of nonlinear spectroscopy with dynamic gratings: the study of the amplitudes and characteristic times of grating formation and relaxation allowed getting a new information on the physical processes responsible for optical nonlinearities of different media. It was S. Odoulov who proposed and realized experimentally new optical oscillators with a dynamic grating including optical oscillators with a quadratic (not exponential) light gain in the crystal. At present, S. Odoulov studies the dynamic gratings in periodically poled crystals with great success. His recent work has shown that the periodically poled structure with micron domains allows a significant improvement of grating recording in ferroelectric crystals because of the optical damage diminishing.

The recent researches of the slowdown of light pulses in photorefractive crystals performed by the Odoulov's team are of great interest in the scientific community.

The results of nearly 40-year successful researches of S. Odoulov are reflected in five monographs and monographic review papers, and more than 200 papers in professional magazines. The analysis of citations of his papers demonstrates the high level of his academic efficiency: his 71 papers are cited in more than 1780 articles.

The scientific achievements of S. Odoulov have been awarded with the State Prize of the USSR (1982), Prize of the National Academy of Sciences of Ukraine named after K.D. Sinelnikov (1992), Prize of the International Renaissance Foundation (1998), Alexander von Humboldt Research Award (2001), Japan Society of Assistance for Science Development Award (2001). He was elected the Fellow Member of the USA Optical Society "for pioneering and leading contributions to the field of photorefractive nonlinear optics, and the discovery and experiments of new configurations of photorefractive oscillators" and the Fellow Member of the Institute of Physics (Great Britain) "in recognition of the status in the physics community and contribution to the Institute as a member of an Editorial Board".

Almost every year, S. Odoulov presents his researches at international conferences of the highest level and participated in committees of the main world optical conferences. He is a member of the Editorial Boards of five international optical journals - Ukrainian Journal of Physical Optics (Ukraine), International Journal of Non-linear Optical Physics and Materials (USA), Journal of Optics A (GB), Applied Physics B (Germany) and Optik (Germany).

S. Odoulov is the Vice-Chairman of the Academic Council on Thesis Presentation at the Institute of Physics and a member of the relevant Academic Council of the Physics Faculty of the Chernivtsi National University.

S. Odoulov is the famous scholar, world-famous expert in the field of nonlinear optics and laser physics, well-recognized leader of the important scientific researches. He celebrates his 60th anniversary on November 3, 2004. S. Odoulov is in the prime of life and actively works on the front edge of modern physical science. We congratulate S. Odoulov with his jubilee and wish him new considerable achievements.

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