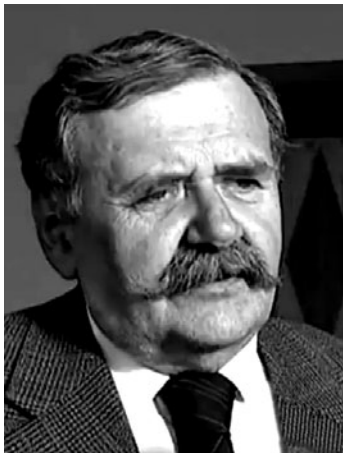


## EDITORIAL

**József Janszky (1943-2018)**

Professor József Janszky died on January 16, 2018. During his career, he made contributions to the theory of dislocations in crystal physics, physics of short laser pulses and nonlinear processes in classical and quantum optics and quantum information. He graduated at the Lomonosov University in Moscow, then returned to Budapest. In the early 80's, in conjunction with his research on noise properties of parametric processes in nonlinear crystals, his attention turned to quantum statistics and non-classical states of light. His contributions to coherent state representations had a great impact in the fields of quantum optics and quantum information. It is worth mentioning that he succeeded in maintaining fruitful scientific collaborations with many groups around the world during the turbulent times of the political changes after the collapse of the Soviet Union. He was also a highly successful teacher and mentor. He had a remarkable ability to work effectively with students. In this issue, József Janszky's friends and past colleagues pay tribute to his legacy in a series of articles inspired by his vision and his example.

**Stig Torsten Stenholm (1939-2017)**

Professor Stig Stenholm made distinguished contributions to quantum theory in the areas of quantum optics, quantum information, and laser spectroscopy. His scientific interests were also centered on applying the results of foundations of the theory to important aspects of experimental physics such as the laser cooling method or to studying the properties of liquid helium. Professor Stenholm participated in fruitful collaboration with physicists of the Soviet Union (then the Russian Federation), in particular, with theoreticians of the Lebedev Institute. This collaboration helped to keep a nice friend atmosphere in the international community of theoretical physics. Professor Andrey Vinogradov from the Lebedev Institute visited Stenholm's group in Finland. This tradition of collaboration continues, and researchers from Moscow Institute of Physics and Technology visit the Universities in Finland to study together the fundamental problems of quantum mechanics and quantum information, and young researchers from Finland visit Moscow Institute of Physics and Technology and participate in scientific conferences in Russia.

Guest Editors:

*Peter Adam, Wigner Research Centre for Physics, Budapest*  
*Antonino Messina, University of Palermo*