

**Special issue dedicated to the 100th Anniversary of
Russian Academician Yury N. Rabotnov**

The Russian academician Yury Nikolaevich Rabotnov is an outstanding scientist in the field of Solid Mechanics, who made a basic contribution to the development of the theory of elasticity and plasticity, the theory of shells and stability of elastic and viscoplastic systems, the creep theory of metals and the hereditary theory of elasticity which found applications in design and calculation of structures. He actively worked in the new directions of damage and fracture mechanics and mechanics of composite materials.

It is difficult to find an area of mechanics of a deformable solid body where Rabotnov would not manage to leave a noticeable trace. He was always distinguished by amazing feeling for new ideas, ability to formulate excellently any task and to present effectively the results received. The high general and mathematical culture, the wide erudition, reasonable combination of the theory and careful experimental check led to that Rabotnov took a place in such a group of classics of mechanics as Timoshenko, Muskhelishvili, Krylov, and Novozhilov. Confirmation to that is ageless interest to his ideas and results.

Rabotnov was born on February 24, 1914 in Nizhny Novgorod, Russia, and thus in 2014 Russian science and mechanics community all over the world celebrate his 100th anniversary. This Special Issue of *International Journal of Mechanics* is dedicated to this remarkable event. The papers adopting and generalizing Rabotnov's ideas and achievements are very welcome. The deadline for paper submission is June 30, 2014. Manuscripts prepared according IJM guidelines should be sent directly to the Guest Editors of the Special Issue by the following address:

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