

PREFACE

Perm National Research Polytechnic University (FSBEI of HPE), Institute of Continuous Media Mechanics of the Ural Branch of the Russian Academy of Sciences (ICMM UB RAS), and Mining Institute of the Ural Branch of the Russian Academy of Sciences (MI UB RAS) are pleased to announce the All-Russian Conference on Problems of Deformation and Fracture in Materials and Structures that will be held on June 17-19, 2015 in the framework of events dedicated to the 50th anniversary of the Department of Dynamics and Strength of Machines of the Faculty of Mathematics and Mechanics at Perm National Research Polytechnic University.

The Department of Dynamics and Strength of Machines of the Faculty of Mathematics and Mechanics of Perm National Research Polytechnic University was organized in 1965, although, in fact, first students were admitted a year earlier. The founder and first head of the Department Prof. Alexander Alexandrovich Pozdeev, Corresponding member of USSR AS, doctor of technical sciences, graduated from the Ural Polytechnic Institute in the city of Sverdlovsk (now Yekaterinburg). In 1964, at the invitation of Michael Nikolaevich Dedyukin, the first rector of Perm Polytechnic Institute, A.A. Pozdeev moved into the city of Perm, where that same year he organized the first admission of students on specialty “Dynamics and Strength of Machines” (DSM). In 1972 Alexander Alexandrovich left the Department and became the Director of the Department of Polymer Physics of the Ural Scientific Center of the Academy of Sciences of the USSR – the 1st Academic Institution in Perm. In 1980 The Department was restructured into the Institute of Continuous Media Mechanics. Today, many prominent Russian and foreign scientists, graduated from the Department of Dynamics and Strength of Machines, have been working at this Institute.

In the 50 years since the Department was organized, above one and a half thousand of specialists, engineers and masters of sciences were prepared. More than 250 graduates became candidates of science degree, and 50 graduates defended their doctoral dissertations.

Graduates of the Department of Dynamics and Strength of Machines (DSM) are in charge of the Perm National Research Polytechnic University (PNRPU), its two faculties and 11 Departments, the scientific and experimental centers and divisions of PNRPU. They head the Institutes of the Ural Branch of the Russian Academy of Sciences (Institute of Continuous Media Mechanics UB RAS, Mining Institute UB RAS) and are the leading scientists of these and other large research centers (Russian Federal Nuclear Center of All-Russian Scientific Research Institute of Technical Physics, Russian Federal Nuclear Center of All-Russian Scientific Research Institute of Experimental Physics).

Graduates of the DSM Department are chairholders in the departments of Perm Military Institute of the Ministry of Internal Affairs, Perm State Pedagogical University, Higher School of Economics, Perm State Agricultural Academy and other institutions of higher professional education.

Graduates of the DSM Department constitute the backbone of senior management and research teams of engineering centers and design departments at many industrial enterprises of Perm and other Russian cities (JSC “Aviadvigatel”, JSC “Motovilikhinsky zavody”, Scientific Research Institute of Polymeric Material, Research and Production Association Iskra (Iskra RPA), Saturn RPA, “Star” RPA, Perm Research and Production Instrument Making Company (PRPMC), Federal State Unitary Enterprise Machine building plant named after F. E. Dzerzhinsky, Federal State enterprise “Perm Gunpowder Mill”, CJSC “Novomet Perm”, State Machine-Building Design Bureau JSC “Raduga” named after A.Ya. Beresniak, LLC “Progresstech” (Dubna), RPA “Saturn” (Rybinsk) and others.

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