PREFACE

In this journal issue, we would like to commemorate two occasions: the 75th birthday of **Professor Bohdan Mochnacki** and his 15th year as the first Editor-in-chief of the Journal of Applied Mathematics and Computational Mechanics.

In 1965, Professor Bohdan Mochnacki completed his studies at the Silesian University of Technology in Gliwice. He graduated from the same University and received both his PhD (in 1970) and habilitation (in 1973). In 1984, he was nominated as full professor. In the years 1994-2012, he worked at the Institute of Mathematics and Computer Science (later it became the Institute of Mathematics) of Czestochowa University of Technology, where since 1996, he was Head of this Institute. Since 2012 to the present, the Professor is Head of the Chair of Mathematics and Computer Science at University of Occupational Safety Management in Katowice.

The scientific achievements of Professor Bohdan Mochnacki include the development of methods for computational modeling of heat transfer. The main areas of scientific interest are presented in the fields of the solidification process, bio-heat transfer and microscale heat transfer. Inverse problems in heat transfer and sensitivity analysis of temperature distribution with respect to perturbations of thermal process parameters are also the subject of interest. Numerical methods, in particular the Boundary Element Method, the Control Volume Method and the Finite Difference Method, have usually been applied to the computations of various scientific problems by the Professor. Often used in the CVM is the control volume mesh defined by the Voronoi tessellation. In the figure below, the initials 'BM' of the name and surname of the Professor covered by the 2D mesh of Voronoi polygons are presented.
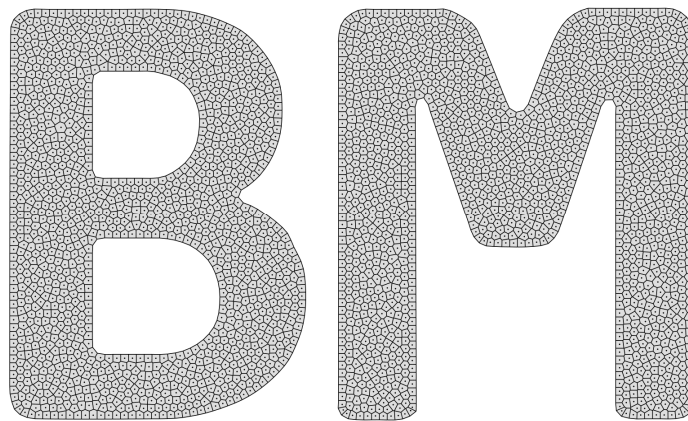

Fig. The initials of the name and surname of Professor Bohdan Mochnacki
covered by the 2D mesh of Voronoi polygons

In the year 2002, on the initiative of Professor Bohdan Mochnacki, the first issue of the Scientific Research of the Institute of Mathematics and Computer Science was published. Since 2013, the journal has been entitled the Journal of Applied Mathematics and Computational Mechanics. So far, in the 15-year history of the journal, 671 articles in 34 issues have been published. The journal is on the list of scientific journals of the Polish Ministry of Science and Higher Education. Presently, each paper is awarded with 10 points. The journal is indexed in many databases, such as: Web of Science - Emerging Sources Citation Index, DOAJ, CrossRef, MathSciNet, Index Copernicus. The Editorial Board seeks to promote this journal in other international databases.

We are very grateful for all that he has done for us. On his 75th birthday we cordially wish him a lot of success in his scientific activity, good health as well as happiness in his private life. We also thank him for excellent co-operation.

The Editorial Board of the Journal of Applied Mathematics
and Computational Mechanics

The staff of the Institute of Mathematics
of Czestochowa University of Technology