**The International Conference on Advanced Mathematics, Computations and Applications (AMCA’14), June 8-11, 2014, Akademgorodok, Novosibirsk, Russia**

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The International Conference on Advanced Mathematics, Computations and Applications (AMCA’14) is devoted to the 50th anniversary of the Institute of Computational Mathematics and Mathematical Geophysics (the former Computing Center), Siberian Branch of the Russian Academy of Sciences (ICM&MG SB RAS), which was founded by academician G.I. Marchuk. The goal of this conference is to bring together well-known experts involved in numerical analysis, applied mathematics, computational technologies, challenging applications and to discuss the topical issues facing the mathematical community. The topics of AMCA’14 are the four major areas covered by the ICM&MG SB RAS: numerical analysis, methods of applied mathematics and mathematical modeling, parallel and distributed computations, information systems. They include, but are not limited to: computational algebra, numerical solution of differential and/or integral equations, computational geophysics, inverse problems, statistical modeling and Monte-Carlo methods, high performance computing, advanced problems in scientific programming, data-intensive processing and communications.

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