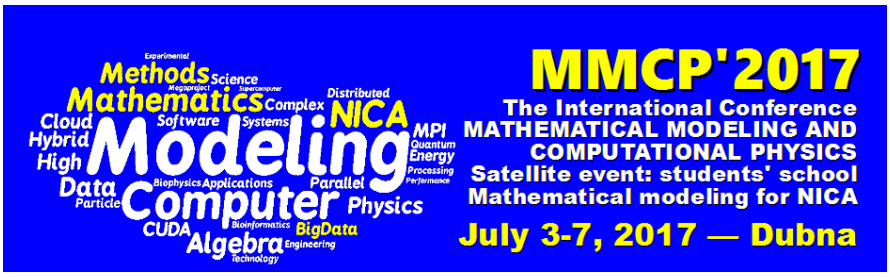

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Mathematical modeling of air pollution and the frequency of respiratory diseases among the population of the city of Ulaanbaatar

Tuesday, 4 July 2017 16:00 (15 minutes)

In this report we considered research results based on mathematical modeling approach to estimating and forecasting health indicators of population of Ulaanbaatar city from influenced of air pollution distribution in the atmosphere.
In particular of the research, the present situation of air pollution sources in the districts on UB's have been broadly reviewed and health impact analysis how it's influenced for health of 0-14, 15-60, over old person's ability to breath. The main sources of air pollution in UB, in no particulate order, include ger district, blast-furnace of low pressure, power plants, means of transports. We forecasting that reduction of air pollution from this main sources by 10, 20, 30 per should decrease illness respiratory way.

Key: ecology, mathematical modeling, forecasting, innovation

Short biography note

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