

Natural ventilation for greener and healthier buildings

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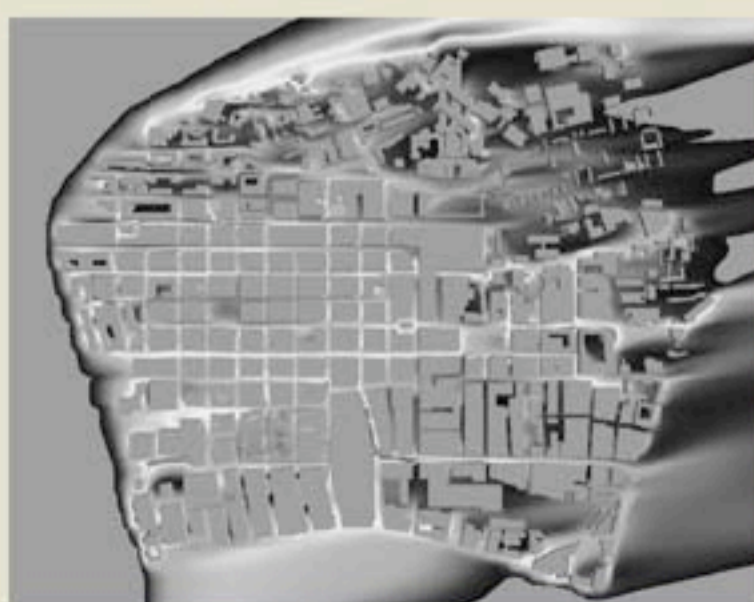
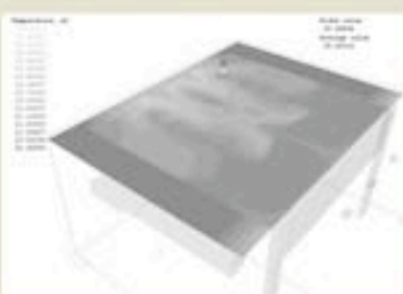
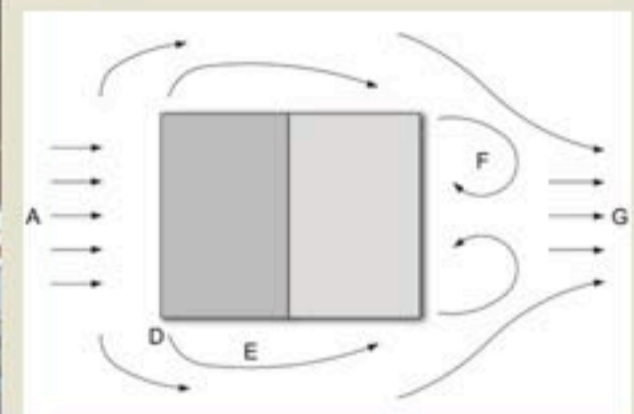
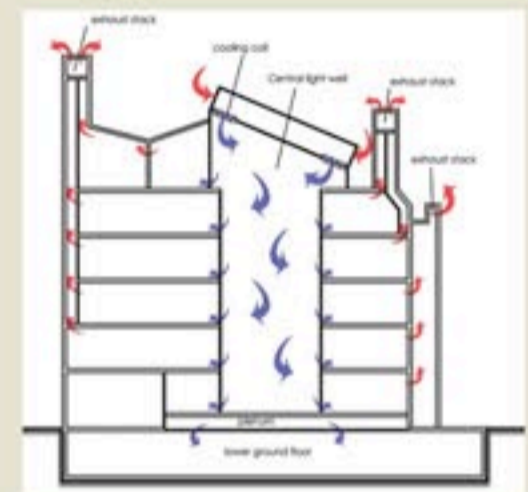
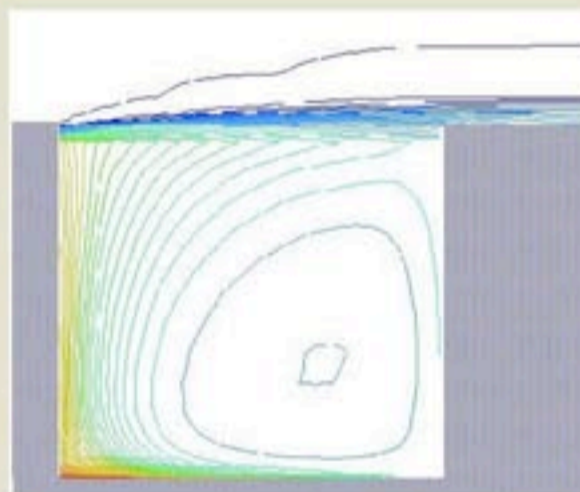
Civil, Environmental and Geomatic Engineering

Researchers: Mrs Miroslava Kavgic, Mr Hector Altamirano-Medina

Natural Ventilation

The basic idea of this future EPSRC project proposal is to provide robust natural ventilation system designs for urban buildings which would be low energy cost and resistant to airborne chemical and biological contaminants.

They may not always work together; on the contrary, energy and health are sometimes conflicting issues. Therefore, to find the optimum balance between energy consumption and health requirements and consequently to develop more sustainable spaces, the research collaboration between building and health engineering people is of paramount importance.



The urban environment is a huge challenge for providing healthy air to people. Toxic particulates from urban traffic, chemical and biological allergens from outdoor environment and communicable diseases circulating within indoor environment are some of the challenges which can only be resolved by collaboration between building and health engineering, hence, we believe that this collaboration fits into the Bridging the Gaps Open Programme.