

Tomohiko Ihara<sup>\*</sup>, Yutaka Genchi National Institute of Advanced Industrial Science and Technology (AIST) Masako Matsuo, Yoshikuni Yoshida, Ryuji Matsuhashi University of Tokyo



























	Life Cycle Assess
Conclusion	
<ul> <li>A new heat load simulation model was developed Calculation of heat flux from buildings is significant</li> <li>Using this model and urban thermal environment CO<sub>2</sub> reducing effects of solar reflective paint (SRP evaluated taking into account of the interactions between building environment and urban environ</li> </ul>	nt. model, ') were ment.
<ul> <li>A large-scale introduction of SRP in the Tokyo are causes CO<sub>2</sub> emissions to increase by 0.9%, and in residential sector by 0.5%. This is more than a 0. increase for introducing to the building individual</li> <li>SRP is advantageous for CO<sub>2</sub> reduction throughou year in the OA building and the building having a air-conditioning system.</li> </ul>	a, 1 the 6% y. 1t the new

TRIAL SCIENCE AND TEO