



Waste Management and Resource Recirculation

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ABSTRACT

Disaster generates a large amount of wastes in a short time. Disaster waste serves as an obstacle for entering into damaged area so that impedes lifesaving and recovery work. Disaster waste may exceed the capacity of existing waste management facilities and delay the treatment and disposal. It is necessary to predict and estimate the amount of disaster waste for quick recovery of the damaged area. Flooding is a major disaster in the world and it is almost the only disaster concerned in South Korea. There have been many studies for flood debris generation. Multiple regression analysis and path analysis between direct or indirect variables vs flood debris generation are typical methodologies. Since the flood debris generation is strongly site dependent, it is impossible to derive a universal model. I would like to review the previous studies and share my experience in South Korea. Multiple regression analysis may result in reliable prediction model, however, most of the variables such as number of damaged houses, length of damaged roads can be obtained after flooding not before or during disaster. It is the most serious limitation of the model and reduce the efficiency of the model.

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The Hong Kong Polytechnic University

SPEAKER'S BIOGRAPHY

Dr. Jae Young Kim received his BS and MS from Seoul National University and PhD from University of Wisconsin-Madison. He is Head and full professor of Civil and Environmental Engineering at Seoul National University. He is also responsible for the Graduate Program on Waste-to-Energy supported by Korea Ministry of Environment. His research focuses on the municipal solid waste management and resource recirculation. He is a vice president of Korea Society of Civil Engineers, a member of Korea National Academy of Engineering, International Solid Waste Association, and International Waste Working Group (IWWG). He plays the role of an associate editor of *Waste Management* and *Journal of Material Cycles & Waste Management*.

*** All Interested Are Welcome ***

For further information and reserve your seat, please contact Ms. Connie Lam by email: fyc.lam@polyu.edu.hk
Free Admission. Certificates of attendance will be provided to participants who attend the whole seminar.