

**Presentation by Session Chair 5: Mr. Badan Lal Nyachyyon,
Past President/SCAEF**

Thank you, John. Session 6 is a very interesting session. It was a privilege to chair for me for very scholarly presentations by four Japanese and one Nepali.

Dr. Kazumasa ITO, Ph.D, Head of Planning office Research Center for Sustainable Communities, CTI Engineering Company Ltd., delivered the paper on Harmonization of Urban development and environment in Nihombashi, Tokyo. Their study focused on improving environment of highly contaminated river, the river system which lost its function because of a lot of pollution and was covered by an express way. This was a case study of the urban development in which the construction consultants and local communities collaborated and proposed a brand new style of urban city harmonizing with environment and how their initiatives have contributed to restore the natural environment of system. Hats off for the presentation of this brilliant case study. It should be an example which could be replicated for improving the environment of Bagmati and Bisnumati rivers of Kathmandu valley and harmonizing with urban development.

Another presenter was presented by Dr. Yoshihiko Yamashita, Secretary General, Association of Japanese Consulting Engineers (AJCE) re presenting Professor Toshihiko Omoto, Graduate School of Management, Kyoto University and Yukinobu Hayashi, General Manager of PPPFI Project Promotion division of Nippon Koi Ltd. The authors of the paper have shared their experience on how Japan has taken initiatives for establishment of construction law and economy in Asia Pacific under Kyoto University as a first step to establish a permanent center which provides among other things education training and accreditation of dispute educator board members, application of DAB in FIDIC concept contract is increasing and availability of qualified educators in Asian countries is very low. Hence there is a dire need for training of DAB educators in Asian region. The contributors of Tokyo University will be very essential for development.

Next presenter was Mr. Hare Ram Shrestha, Director of SiDEF/ Nepal and Vice President of SCAEF/Nepal. The paper titled 'Harmonizing rural road development with mountain environment: green roads in Nepal. The Conventional Approach for Road Building with cut and throw practices has caused significant mass wasting and has created landslides of hill slopes and contributing to large scale environment damage. With growing need for exponential expansion of rural roads across the country, the concept of Green Roads considered the balance of cut and fill and controlled prevention of soil loss. This paper has focused on practices of green roads, design and construction in Nepal for minimizing the environmental damage supplemented with application of bio-engineering. The practice could be replicated in other countries as well.

Professor Dr. Isaho Tanabe represented by Mr. Ashoka Moorey of Nippon Koi focused on the practice they had established for resettlement of low income community, Anandig grade,

Columbo for control and environment improvement project. This is a brilliant case study where the social participation could bring value added things to the project.

Another speaker was Pichaya Chantranuwat, Board of Director, CEAT and Vice Chair, Disaster Study, Research, and Development Committee, National Safety Council/Thailand and Fusion Fire Safety Co. Ltd. from Thailand. He brought a case study where a restaurant was cut fire. A lot of damages occurred. He emphasized that the fire was a cause of rush negligence of whoever planned or designed, or whoever are operating a lot of inflammable materials are there. The access is low and so the fire safety has to be one of the major study, major subject of the engineers have taken into account.