



Workshop on Life Cycle Assessment of Sustainable FRP Materials

Date: December 14, 2009

Venue: Theatre Room at Saitama University

Co-organized by **Prof Hiroshi Mutsuyoshi** (Saitama University) and **Assoc Prof Thiru Aravinthan** (Associate Professor in Engineered Fibre Composites, University of Southern Queensland)



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Program:

13:00-13:10	Opening address Prof. Hiroshi Mutsuyoshi, Saitama University
13:10-13:30	Assoc. Prof. Thiru Aravinthan, The University of Southern Queensland <u>Sustainable fibre composite girders for replacement of hardwood timber bridge girders</u>
13:30-13:50	Mr. Nguyen Duc Hai, Saitama University <u>Structural performance of hybrid FRP composite girder</u>
13:50-14:10	Mr. Takahiro Matsui, Toray Industries, Inc. <u>Optimising LCC for pier bridges using FRP members</u>
14:10-14:30	Mr. Itaru Nishizaki, Public Works Research Institute <u>Life-cycle cost assessment for FRP structures</u>
14:30-14:50	Assoc. Prof. Takumi Shimomura, Nagaoka University of Technology <u>Case study on assessment of LCC and environmental impact of FRP structure by JSCE committee</u>
14:50-15:10	Coffee break
15:10-15:30	Mr. Kensuke Shiroki, Saitama University <u>Flexural behaviour of HFRP-UFC composite girder</u>
15:30-15:50	Asst. Prof. Hitoshi Nakamura, Tokyo Metropolitan University <u>Repair and strengthening of steel structures using FRP</u>
15:50-16:10	Dr Mainul Islam, The University of Southern Queensland <u>Behaviour of Innovative Fibre Composite Sandwich Panels</u>
16:10-16:30	Mr Hirofumi Watanabe, Association of Advanced Composite Technology on Construction Field <u>The LCC of a concrete bridge using FRP and some applications of FRP</u>
16:30-16:50	Mr Allan Manalo, The University of Southern Queensland <u>Behaviour of glue-laminated fibre composite sandwich beams</u>
16:50-17:00	Closing address Assoc. Prof. Thiru Aravinthan, The University of Southern Queensland