ACADEMIC SHORT CV

Department of Civil and Environmental Engineering
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NAME: **Takao UEDA**

CURRENT POSION: **Professor of Concrete Engineering**

Academic Qualifications:

1999 D.E. Concrete Engineering, Kyoto University

1995 M.E. Concrete Engineering, Kyoto University

1993 B.E. Civil Engineering, Kyoto University

Membership and Committees:

Japan Society of Civil Engineers, Japan Concrete Institute,
Japan Society of Materials Science

Present and recent interests of research:

• Chloride induced corrosion of steel in concrete • Electrochemical rehabilitation method for deteriorated concrete structures • Alkali silica reaction • Durability of fly ash mixed concrete

Research Publications:

Refereed Journal Articles:

K. Matsumoto, T. Ueda, M. Ashida and T. Miyagawa: Study on Realkalization with Electrolyte Containing Lithium Ion, International Journal of Modern Physics B, Vol. 17, No. 8&9, Part1, pp. 1446-1451, 2003.

K. Nagao, T. Ueda, M. Ashida and T. Miyagawa: Application of Desalination to Concrete Admixing Fly Ash or Blast-Furnace Slag, International Journal of Modern Physics B, Vol. 17, No. 8&9, Part1, pp. 1452-1457, 2003.

K. Yamaguchi, T. Ueda and A. Nanasawa: Application of desalination with CFRP composite electrode to concrete deteriorated by chloride attack, International Journal of Modern Physics B, Vol. 20, No. 25, 26&27, Part1, pp. 3704-3709, 2006.

Papers in Refereed Conference Proceedings:

T. Ueda, Y. Yoshida, K. Yamaguchi and M. Ashida: Electrochemical migration of lithium ions into hardened concrete and ASR expansion after treatment, Proceedings of Structural Faults & Repair-2006, Jun. 2006.

T. Ueda, K. Inaoka, A. Nanasawa and M. Ashida: Electrochemical rehabilitation with the aid of ductile fiber reinforced cementitious composites in anode system, Proceedings of the Fifth International Conference on Concrete Under Severe Conditions, Vol. 1, pp.491-498, Jun. 2007.

T. Ueda, H. Naitou, M. Nagura, K. Sano and T. Miyagawa: Design system for electrochemical corrosion control techniques considering their effect on alkali-silica reaction, Proceedings of the 13th International Conference on Alkali-Aggregate Reaction in Concrete, pp.1312-1321, Jun. 2008.