

ACADEMIC SHORT CV



Department of Civil and Environmental Engineering
The University of Tokushima
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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:

- M. Kohri, T. Ueda and H. Mizuguchi: Application of a near-infrared spectroscopic technique to estimate the chloride ion content in mortar deteriorated by chloride attack and carbonation, International Journal of Advanced Concrete Technology, Vol.8, No.1, pp.15-25, 2010.2
- T. Ueda, T. Kameda and A. Nanasawa: A New Electrochemical Rehabilitation for Reinforced Concrete Employing DFRCC Anode System, Separation and Purification Technology, Vol.79, No.2, pp. 204-207, 2011.6
- T. Ueda, Y. Baba and A. Nanasawa: Penetration of Lithium into ASR-affected Concrete due to Electro-osmosis of Lithium Carbonate Solution, Construction and Building Materials, Vol.39, pp. 113-118, 2013.2

Papers in Refereed Conference Proceedings:

- 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.
- T. Yamamoto, T. Ueda, M. Kohri: Evaluation of chloride ion content in concrete structures using near-infrared spectroscopic technique, Proceedings of the Sixth International Conference on Concrete Under Severe Conditions, Vol. 1, pp.135-144, Jun. 2010.
- T. Ueda and A. Nanasawa: Effect of electrochemical penetration of lithium ions on concrete expansion due to ASR, Proceedings of the 14th International Conference on Alkali-Aggregate Reaction in Concrete, Jun. 2012.