Prof. Dr. Kei-ichi IMAMOTO, Dept. of Arch, Tokyo University of Science.
Born: 27th Sep. 1966
Final education of background: Tokyo University of Science (Graduate 1990)
Bachelor and Master degrees: Tokyo University of Science
Doctoral degree: Daido University
Research field: Conservation of RC buildings, recycling of building materials, creep and shrinkage of Concrete.

International activity

➢ RILEM

1. A committee member of RILEM TC 192-ECM "Environment-Conscious Construction Materials and Systems"
2. A committee member of RILEM TC 214-CCD "Concrete Cracking and Its Relation to Curability"
3. A committee member of RILEM TC 230-PSC "Performance-Based Specifications and Control of Concrete Durability"
4. A secretary of RILEM TC255-FRS "Fire Resistance of Concrete Structures Repaired with Polymer Cement Mortar" A
5. A secretary of RILEM TC 270-CIM "Benchmarking Chloride Ingress Models on Real-life Case Studies: Theory and Practice

➢ ACI

1. An associate member of Numerical Committee 209 "Creep and Shrinkage"

➢ JCI (Japan Concrete Institute)

1. A secretary of committee on "Guidelines for Assessment of Existing Concrete Structures 2014"
2. A secretary of committee on "Practical Guideline for Investigation, Repair and Strengthening of Cracked Concrete Structures -2013-"
3. A chairman of Technical Committee on Historiography and Organization of Researches in Concrete Technology.

✧ Contribution to more than 30 committees as a secretary or a member.

➢ AIJ (Architectural Institute of Japan)

1. A member of committee on "Japanese Architectural Standard Specification for Reinforced Concrete Work"

✧ Contribution to more than 50 committees as a secretary or a member.

Published papers

1. K. Imamoto and C. Kiyohara: A novel approach towards conservation of the world heritage RC building in Japan, 14th International Conference on Durability of Building Materials and Components, 2017. (Invited Presentation)
2. K. Imamoto and A. Tanaka: Relationship between air permeability and carbonation progress of concrete in Japan, RILEM International workshop on performance-based specification and control of concrete durability, 2014. (Keynote speech)
3. K. Imamoto and M. Arai: Simplified evaluation of shrinking aggregate based on BET surface area using water vapor, Journal of Advanced Concrete Technology, Vol. 6, No. 1, 69-76, February 2008. (Impact factor journal)
4. K. Imamoto: Simplified prediction of drying shrinkage stress in reinforced concrete building wall, Journal of Advanced Concrete Technology, Vol. 6, No. 1, 111-120, February 2008. (Impact factor journal)
5. T. Kanda, H. Momose, K. Imamoto and H. Mihashi: Stochastic approach to shrinkage cracking control for reinforced concrete structural elements, Journal of Advanced Concrete Technology, Vol. 6, No. 1, 121-134, February 2008.(Impact factor journal)
6. K. Imamoto and M. Arai: Specific surface area of aggregate and its relation to concrete drying shrinkage, Materials and Structures (Published online: 25 May, 2007) (Impact factor journal)

✧ More than 300 publications.

Award

1. Young researcher`s award from AIJ (Architectural Institute of Japan) in 2008.
2. Three outstanding papers of 2008 -- Selection of the ACT Advisory and Editorial Board of JCI (Japan Concrete Institute) in 2008: ”Stochastic Approach to Shrinkage Cracking Control for Reinforced Concrete Structural Elements”
3. Prize for paper from Japan Society for Finishing Technology in 2012: “Drying shrinkage properties of finishing concrete member”
4. Prize for paper from JCI (Japan Concrete Institute) in 2017: “Clarification of reduction mechanisms of shrinkage induce crack resistance of blast furnace slag cement concrete and proposal for practical counter measurements for its improvement”