Shigenobu KAINUMA
Department of Engineering, Kyushu University

Specialty
Corrosion, Fatigue, Steel Structure, Maintenance Engineering

Career
1994.04 Research Associate, Department of Civil Engineering, Nagoya University
2001.04 Associate Professor, Department of Civil Engineering, Gifu University
2003.04 Associate Professor, Information and Multimedia Center, Gifu University
2004.11 Associate Professor, Department of Civil Engineering, Kyushu University
- Additional position
2015.10-2019.03 Visiting Research Scholar, National Institute of Advanced Industrial Science and Technology (AIST)
2016.06-2019.03 Visiting Professor, Department of Civil Engineering, Hohai University

Research Activity
Journal Papers /1993-
- Y. S. Jeong, S. Kainuma, N. Yagi and D. Uchida: Evaluation for fatigue growth prediction of


- M. Kinoshita, S. Kainuma, T. Yamagami and S. Tsukamoto: Corrosion Behavior of Steel Member in Boundary with Concrete-Based Materials, Journal of Constructional Steel, Vol.21, pp.185-192,
2013.
- Y. Itoh, T. Yamashita, S. Kainuma and Y. Mukaigawa: Applicability on an atmospheric corrosion

**Proceedings of International Conference/1996**

- M. Yang, S. Kainuma, T. Tomoda, K. Minami : Study on Anti-Corrosive Method with Sacrificial Anode for Embedded Steel Members using Water Swelling Rubber, 9th International Symposium
on Steel Structures, Jeju, Korea, 2017.
- T. Sakamoto and S. Kainuma: Fundamental Research on Factors Affecting the Under-Film Corrosion Behavior of Coated Steel Members, 18th International Conference on Chemistry and Chemical


- Y. S. Jeong, S. Kainuma and S. Tsukamoto : Assessment on Deformable Behaviors of The Orthotropic Steel Deck Stiffened by Bulb Rib Depending on Corrosion Damage, 7th International Conference on Thin-Walled Structures, CD-ROM, Soul, Korea, 2014.

International Conference on Fracture and Damage Mechanics, CD-ROM, Dubrovnik, Croatia, September, 2011.
- I. T. Kim, Y. Itoh, Y. Kadota, S. Kainuma: Corrosion Characteristic of Painted Steels with Different
- N. Kagawa, K. Yamada, S. Kainuma and T. Nakamura: Fatigue Behavior of Improved Welded Cover

Award
Tanaka Prize from Japan Society of Civil Engineers for a study on “Time-Dependent Corrosion Behavior of Structural Steel Members in Boundary with Concrete”, 2006.5.

Membership
Japan Society for Civil Engineers (JSCE)
Japanese Society of Steel Construction (JSSC)
Japan Welding Society (JWS)
The Japanese Society for Non-Destructive Inspection (JSNDI)
Japan Society of Corrosion Engineering (JSCE)
Japan Association of Corrosion Control (JACC)

**Lecture Course**

Steel Structural Engineering
Durability Design for Steel Structure
Advanced of Steel Structures