
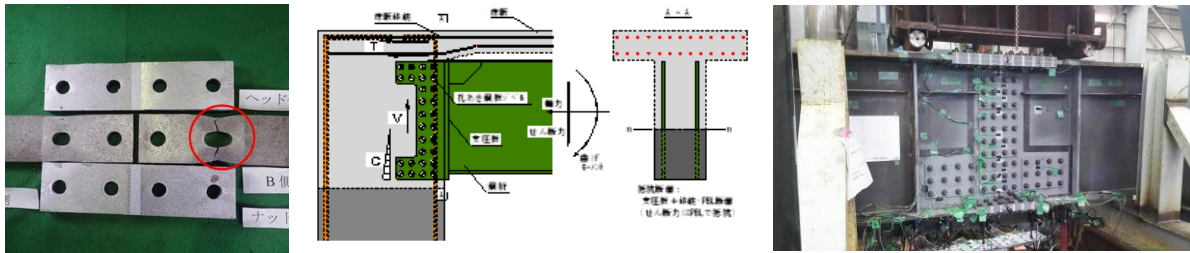


## Requests for Collaboration

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<p><b>Research Interests</b></p> <ul style="list-style-type: none"> <li>● Bridge Engineering</li> <li>● Structural Engineering</li> <li>● Large scale experiments and FE analysis for bridge structures</li> </ul>	
<p><b>Creative Achievements in The Application of New and Existing Science and Technology</b></p> <p>(1) Understanding mechanical behavior of high strength bolted frictional joints by many experimental results and FE analysis  (2) Development of the new composite connection for the rigid frame bridges  (3) Development of the new connection plate replacement method for bridge main girders</p>	
	
<p><b>Technology (Product, Process, Device, Service etc.) That I Want to Request for Collaboration</b></p> <ul style="list-style-type: none"> <li>● Structural health monitoring, Deformation measurement for large scale structure and so on.</li> </ul>	
<p><b>A List of 5 Key Publications</b></p> <ul style="list-style-type: none"> <li>• Shunsuke Kobayashi, Takashi Yamaguchi, Takashi Matsumoto, Nobuhiro Mitsukawa, Tsukasa Ogura: Fundamental study on half-width slab deck replacement method for an existing composite steel girder bridge, 39th IABSE Symposium Reports, Vancouver, pp.1114-1121, 2017</li> <li>• Takeshi Kitahara, Takashi Yamaguchi, Shohei Donomoto: Damage identification focused on deterioration degree of bridge members using Self-Organizing feature Map, The Fifth International Symposium on Life-Cycle Engineering (IALCCE2016), Delft, The Netherlands, pp.2182-2189, 2016</li> <li>• Yoshio Tamba, Shinya Yukito, Takashi Yamaguchi, Kunitomo Sugiura: Slip Coefficient for High-Strength Bolted Frictional Joints with Roughened Steel Surface and Inorganic Zinc-Rich Painted Surface, Journal of JSCE, 2015, Vol.3, pp.19-32, 2015</li> <li>• Eiichi Watanabe, Hitoshi Furuta, Takashi Yamaguchi, Masato Kano: On longevity and monitoring technologies of bridges: a survey study by the Japanese Society of Steel Construction, Structure and Infrastructure Engineering, 2014 Vol. 10, No. 4, pp.471-491, 2014</li> <li>• Akiko Tabata, Hidesada Kanaji, Yoshihide Kurono, Takashi Yamaguchi: Study on Applicability of High Durability Friction Grip Joints with High Strength Countersunk Head Bolts for Steel Bridge Structures, IABSE Conference Rotterdam 2013 Report, Vol. 99, 8 pages, 2013</li> </ul>	