

## F. 国際会議論文集

### F – 1 AIT (Asian Institute of Technology) / EASEC

- 1) Tadaki Kawada, Kunikatsu Nomura, Ken-ichi Maeda and Masahiro Yoneda: Additional Mass Method as Solution for Better Suspension Bridge, Proc. of the 1st East Asian Conference on Structural Engineering and Construction (EASEC-1) in Bangkok, Thailand, Organized by Asian Institute of Technology (AIT), pp.1257-1268, 1986.
- 2) Ken-ichi Maeda, Y. Uchiumi, S. Nakazaki and Kunikatsu Nomura: Computer Aided Design and Quality Control System for Cable-Stayed Bridges, Proc. of the International Conference on Cable-Stayed Bridge - Experience and Practice (CABRIDE '87) in Bangkok, Thailand, Organized by Asian Institute of Technology (AIT), pp.276-288, 1987.
- 3) Yoshihiro Tachibana, Ken-ichi Maeda, Shigeru Echigo, Tsutomu Shimura and Mitsuo Iso: Construction of a Cable-Stayed Composite Girder Bridge with Precast RC Slabs, Proc. of the 4th East Asia-Pacific Conference on Structural Engineering and Construction - Progress in Harmony (EASEC-4) in Seoul, Korea, Organized by International Steering Committee by Seoul National University, pp.1085-1090, 1993.
- 4) Akio Hayashi, Nobuyuki Narita and Ken-ichi Maeda: Optimization of Characteristic Values for a Seismic Isolation Bridge, Proc. of the 5th East Asia-Pacific Conference on Structural Engineering and Construction - Building for the 21st Century (EASEC-5) in Gold Coast, Queensland, Australia, Organized by International Steering Committee by Griffith University, pp.1527-1532, 1995.

### F – 2 CNRC (Conseil National de Recherches Canada)

- 1) Masahiro Yoneda and Ken-ichi Maeda: A Study on Practical Estimation Method for Structural Damping of Stay Cable with Dampers, Proc. of the Canada-Japan Workshop on Bridge Aerodynamics in Ottawa, Canada, Organized by National Research Council Canada, pp.119-128, 1989.

### F – 3 JSSC (Japanese Society of Steel Construction)

- 1) Ken-ichi Maeda, Yoshihiro Tachibana, Tsutomu Shimura and Yasuo Kajikawa: Study on Durability of a Cable-Stayed Composite Girder Bridge, Proc. of the 3rd Pacific Structural Steel Conference - Making Steel Friendly for the Next Generation (PSSC '92) in Tokyo, Japan, Organized by Japanese Society of Steel Construction (JSSC), pp.875-882, 1992.

### F – 4 JS - JK / KJ (Japan-Korea Joint Seminar)

- 1) Ken-ichi Maeda and Hitoshi Nakamura : Effects of Out-of-plane Elastic Support Condition of Main Girder on the Economical Efficiency in a Very Long-Span Cable-Stayed Bridge, Proc. of the 5th Korea-Japan Joint Seminar on Steel Bridges (JSSB-KJ5) in Pusan, Korea, Organized by Korean Society of Steel Construction (KSSC) and Pukyong National University, pp.585-592, 1999.
- 2) Ken-ichi Maeda and Hitoshi Nakamura : Application of Extended Equivalent Initial Imperfection Method to Long-Span Cable-Stayed Bridges, Proc. of the 6th Japan- Korea Joint Seminar on Steel Bridges (JSSB-JK6) in Tokyo, Japan, Organized by Waseda University, pp.67-74, 2001.
- 3) Hitoshi Nakamura, Hiroyuki Suzuki, Ken-ichi Maeda and Takao Irube : Repair of Fatigue Cracks in Out-of-Plane Welded Gusset Joints Using CFRP Strips, Proc. of the 8th Japan -Korea Joint Seminar on Steel Bridges (JSSB-JK8) in Nagoya, Japan, Organized by Nagoya University, pp.649-656, 2005.

### F – 5 JSCE (Japan Society of Civil Engineers)

- 1) Hitoshi Nakamura, Hiroyuki Suzuki, Ken-ichi Maeda and Takao Irube : Applicability of Repair Method Using CFRP Strips for Fatigue Cracks in Out-of-Plane Welded Gusset Joint, Proc. of the International Colloquium on Application of FRP to Bridges in Tokyo, Japan, Organized by Japan Society of Civil Engineers (JSCE),

pp.105-110, 2006.

- 2) Xian Cui, Ken-ichi Maeda, Hitoshi Nakamura, Nobuhiko Kitayama and Tetsuya Watanabe : Structural Characteristics of Pedestrian Slab Bridge Using GFRP Pultrusion Profiles, Proc. of the International Colloquium on Application of FRP to Bridges in Tokyo, Japan, Organized by Japan Society of Civil Engineers (JSCE), pp.125-130, 2006.

#### F – 6 KSSC (Korean Society of Steel Construction)

- 1) Hitoshi Nakamura, Fan Lin, Ken-ichi Maeda, Hitoshi Suzuki, Takao Irube and Yoshihiro Fukuda : Fatigue Life Prediction for Fatigue Crack Initiated at Welded Gusset Joints Repaired by Externally Bonded CFRP Strips, Proc. of the 6th International Symposium on Steel Structures (ISSS-2011) in Seoul, Korea, Organized by Korean Society of Steel Construction (KSSC), CD-ROM pp.671-677, 2011.

#### F – 7 SCI (Society of Chemical Industry)

- 1) Yoshihiro Tachibana, Ken-ichi Maeda, Yasuo Kajikawa and Mitsunori Kawamura: Mechanical Behaviour of RC Beams Damaged by Corrosion of Reinforcement, Proc. of the International Colloquium on Corrosion of Reinforcement in Concrete in Birmingham, UK, Organized by Society of Chemical Industry (SCI), Published by Elsevier Applied Science, pp.178-187, 1990.

#### F – 8 IAEE (International Association for Earthquake Engineering)

- 1) Akio Hayashi, Nobuyuki Narita and Ken-ichi Maeda: Optimization of Characteristic Value of Seismic Isolated Bridges, Proc. of the 11th World Conference on Earthquake Engineering (11 WCEE) in Acapulco, Mexico, Organized by International Association for Earthquake Engineering (IAEE), Published by Pergamon & Elsevier Science, CD-ROM Paper No.1350 (8 pages), 1996.

#### F – 9 IASS (International Association for Shell and Spatial Structures)

- 1) Hitoshi Nakamura, Ken-ichi Maeda, Masa Hayashi and Nobuyuki Narita: Buckling Stability Analysis of a Long-Span Cable-stayed Bridge by Finite Displacement Theory, Proc. of the International Colloquium on Computation of Shell and Spatial Structures (ICSS '97) in Taipei, Taiwan, Organized by International Association for Shell and Spatial Structures (IASS), pp.139-144, 1997.

#### F – 10 USQ (University of Southern Queensland)

- 1) Hitoshi Nakamura, Ken-ichi Maeda, Nobuhiko Kitayama, Tetsuya Watanabe : Experimental and Analytical Studies on a Pedestrian Slab Bridge Using GFRP Pultrusion Profiles, Proceedings of the International Workshop, Fibre Composite in Civil Infrastructure (FCCI), Past, Present and Future, Toowoomba, Australia, Organized by University of Southern Queensland, Invitation Paper, pp.77-82, 2008.

#### F – 11 IABSE (International Association for Bridge and Structural Engineering)

- 1) Ken-ichi Maeda, Masahiro Yoneda and Yukio Maeda : System Damping Effects on Cable-Stayed Bridges, Final Report of the 12th Congress in Vancouver, BC, Canada, Organized by International Association for Bridge and Structural Engineering (IABSE), IABSE Reports, Vol.12, pp.747-754, 1984.
- 2) Ken-ichi Maeda, Fimitaka Machida, Kouichirou Tomizawa, Teruyoshi Ikebe and Shouji Miyazaki : Durability of Bridge Expansion Joints, Report of the IABSE Symposium on Durability of Structures in Lisbon, Portugal, Organized by International Association for Bridge and Structural Engineering (IABSE), IABSE Reports, Vol.57, pp.419-424, 1989.
- 3) Takayuki Nishido, Ken-ichi Maeda and Kunikatsu Nomura : Practical System for Type Selection of River Crossing Bridge, Report of the IABSE Colloquium on Expert Systems in Civil Engineering in Bergamo, Italy, Organized by International Association for Bridge and Structural Engineering (IABSE), IABSE Reports, Vol.58, pp.311-319, 1989.

- 4) Nobuyuki Narita, Ken-ichi Maeda, Hitoshi Nakamura and Kunikatsu Nomura : Applicability of Dischinger -Type to Ultra Long-Span Bridges, Report of the IABSE Symposium on Long-Span and High-Rise Structures in Kobe, Japan, Organized by International Association for Bridge and Structural Engineering (IABSE), IABSE Reports, Vol.79, pp.137-142, 1998.
- 5) Masami Iwamoto, Ken-ichi Maeda, Yasuyuki Morizono, Masatsugu Nagai and Yozo Fujino : Coupled Flutter Behavior of Ultra Long-Span Suspension Bridges, Report of the IABSE Symposium on Long-Span and High-Rise Structures in Kobe, Japan, Organized by International Association for Bridge and Structural Engineering (IABSE), IABSE Reports, Vol.79, pp.211-216, 1998.
- 6) Ken-ichi Maeda, Hitoshi Nakamura, Makoto Konno, Yu Moroyama and Makoto Abe : Structural Countermeasures for Design of a Very Long-Span Cable-Stayed Bridge under Wind Load, Report of the IABSE Conference on Cable-Stayed Bridges - Past, Present and Future in Malmo, Sweden, Organized by International Association for Bridge and Structural Engineering (IABSE), IABSE Reports, Vol.82, pp.80-81, 1999.
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- 8) Ken-ichi Maeda, Yasuyuki Morizono, Hitoshi Nakamura, Tatsuya Eguchi and Yozo Fujino : Applicability of CFRP Cables to Ultra Long-Span Suspension Bridges, Report of the IABSE Conference on Cable-Supported Bridges - Challenging Technical Limits in Seoul, Korea, Organized by International Association for Bridge and Structural Engineering (IABSE), IABSE Reports, Vol.84, pp.224-225, 2001.
- 9) Ken-ichi Maeda, Yasuyuki Morizono, Hitoshi Nakamura, Tatsuya Eguchi and Yozo Fujino : Applicability of CFRP Cables to Ultra Long-Span Suspension Bridges, Proc. of the IABSE Conference on Cable-Supported Bridges - Challenging Technical Limits in Seoul, Korea, Organized by International Association for Bridge and Structural Engineering (IABSE), CD-ROM (8 pages), 2001.
- 10) Ken-ichi Maeda, Torahiko Ikeda, Hitoshi Nakamura, Seishi Meiarashi : Feasibility of Ultra Long-Span Suspension Bridges Made of All Plastics, Report of the IABSE Conference on Towards a Better Built Environment - Innovation, Sustainability, Information Tecnology in Melbourne, Australia, Organized by International Association for Bridge and Structural Engineering (IABSE), IABSE Reports, Vol.86, pp.362-363, 2002.
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#### **F – 12 IABMAS** (International Association for Bridge Maintenance and Safety)

- 1) Hitoshi Nakamura, Ken-ichi Maeda, Hitoshi Suzuki and Takao Irube : Rehabilitation of Fatigue Cracks in Welded Gusset Joint Using CFRP Strips, Proc. of the 3rd International Conference on Bridge Maintenance, Safety, Management, Life-Cycle Performance and Cost (IABMAS '06) in Porto, Portugal, Organized by International Association for Bridge Maintenance and Safety (IABMAS), CD-ROM (7 pages), 2006.
- 2) Akinori Nakajima, Ken-ichi Maeda and Takashi Obata : JSCE's Guidelines for Assessment of Bridge Structures by Using Monitoring Data, Proc. of the 5th International Workshop on LCC Analysis and Design of Civil Infrastructure Systems in Seoul, Korea, Organized by International Association for Bridge Maintenance and Safety (IABMAS), CD-ROM (7 pages), 2006.
- 3) Takashi Obata, Akinori Nakajima and Ken-ichi Maeda : Study on Application of Reliability Analysis for Bridge Management System on Steel Bridge Structures, Proc. of the 5th International Workshop on LCC Analysis and Design of Civil Infrastructure Systems in Seoul, Korea, Organized by International Association for Bridge Maintenance and Safety (IABMAS), CD-ROM (7 pages), 2006.

- 4) Hitoshi Nakamura, Ken-ichi Maeda, Hitoshi Suzuki and Takao Irube : Monitoring for Fatigue Crack Propagation of Steel Plate Repaired by CFRP Strips, Proc. of the 4th International Conference on Bridge Maintenance, Safety, Management, Health Monitoring and Informatics (IABMAS '08) in Seoul, Korea, Organized by International Association for Bridge Maintenance and Safety (IABMAS), pp.2943-2950, 2008.
- 5) Fan Lin, Hitoshi Nakamura, Ken-ichi Maeda, Hitoshi Suzuki and Takao Irube : CFRP Repair of Fatigue Cracks and Bonding Behavior Subjected to Cyclic Load during Curing, Proc. of the fifth International Conference on Bridge Maintenance, Safety, Management and Life-Cycle Optimization (IABMAS2010) in Philadelphia, USA, Organized by International Association for Bridge Maintenance and Safety (IABMAS), pp.2755-2761, 2010.
- 6) Hitoshi Nakamura, Fan Lin, Ken-ichi Maeda, Hitoshi Suzuki Takao Irube and Yoshihiro Fukuda : CFRP Repair of Fatigue Cracks and Bonding Behavior Subjected to Cyclic Load during Curing, Proc. of the fifth International Conference on Bridge Maintenance, Safety, Management, Resilience and Sustainability (IABMAS 2012) in Stresa, Lake Maggiore, Italy, Organized by International Association for Bridge Maintenance and Safety (IABMAS), CD-ROM (8 pages), 2012.

### F-13 IIFC (International Institute for FRP in Construction) - APFIS/CICE

- 1) Hitoshi Nakamura, Ken-ichi Maeda, Hiroshi Mutsuyoshi and Kenji Suzukawa : Shear Deformation Characteristics and Web-Crippling of New Hybrid Composite Girders, Proc. of the first Asia-Pacific Conference on FRP in Structures (APFIS 2007) in Hong Kong, China, Organized by Hong Kong University and International Institute for FRP in Construction (IIFC), pp.459-464, 2007.
- 2) Wei Jiang, Hitoshi Nakamura, Hiroyuki Suzuki, Ken-ichi Maeda and Takao Irube : Repair of Fatigue Cracks at Welded Web Gusset Joint Using CFRP Strips, Proc. of the first Asia-Pacific Conference on FRP in Structures (APFIS 2007) in Hong Kong, China, Organized by Hong Kong University and International Institute for FRP in Construction (IIFC), pp.1039-1044, 2007.
- 3) Ken-ichi Maeda, Hitoshi Nakamura, Xian Cui, Nobuhiko Kitayama and Tetsuya Watanabe : Development of a Pedestrian Slab Bridge Using GFRP Pultrusion Profiles, Proc. of the first Asia-Pacific Conference on FRP in Structures (APFIS 2007) in Hong Kong, China, Organized by Hong Kong University and International Institute for FRP in Construction (IIFC), pp.1093-1099, 2007.
- 4) Hitoshi Nakamura, Ken-ichi Maeda, Hiroshi Mutsuyoshi, Ken-ichi Yaginuma and Takahiro Matsui : Trial Design of Cable-Stayed Bridges Using Hybrid Composite Girders and Applicability to Free Passage over Railway, Proc. of the 5th International Conference on FRP Composites in Civil Engineering (CICE 2010) in Beijing, China, Organized by Tsinghua University and International Institute for FRP in Construction (IIFC), pp.148-151, 2010.
- 5) Seigo Fujita, Ken-ichi Maeda, Hitoshi Nakamura, Nobuhiko Kitayama and Tetsuya Watanabe : Development and Experimental Verification of a Pedestrian Slab Bridge Using GFRP Pultrusion Profiles, Proc. of the 5th International Conference on FRP Composites in Civil Engineering (CICE2010) in Beijing, China, Organized by Tsinghua University and International Institute for FRP in Construction (IIFC), pp.168-172, 2010.
- 6) Onek Denis Obedi, Shuhei Sugai, Hitoshi Nakamura, Ken-ichi Maeda and Ken-ichi Yaginuma : Feasibility Study on Increasing Bending Stiffness of FRP Girders by Bonding CFRP Strips and Bending Girder Sections, Proc. of the 3rd Asia-Pacific Conference on FRP in Structures (APFIS 2012) in Sapporo, Japan, Organized by Hokkaido University and International Institute for FRP in Construction (IIFC), CD-ROM (8 pages), 2012.
- 7) Hitoshi Nakamura, Fan Lin, Ken-ichi Maeda, Hiroyuki Suzuki, Takao Irube and Yoshihiro Fukuda : Fatigue Life Prediction for Cracked Web Gusset Joints Repaired by Externally Bonded CFRP Strips, Proc. of the 6th International Conference on FRP Composites in Civil Engineering (CICE2012) in Roma, Italy, Organized by University of Roma and International Institute for FRP in Construction (IIFC), CD-ROM (8 pages), 2012.