

2nd International Workshop on UHPFRC Applications

Main Topics

1. Technical visit to a bridge site damaged by ASR (1st day)
 - Maintenance history and details
 - Field investigation from the boat
 - Discussions about future action
 - etc
2. Workshop on UHPFRC application (2nd day)
 - Basic concept of UHPFRC strengthening
 - UHPFRC applications in Switzerland
 - UHPFRC applications in Japan
 - Future applications in both countries
 - etc

Tentative Program

Tokiwa Hall, Ube,
Yamaguchi, JAPAN
19th-20th July, 2018

Final Program

19th(Thu) July 2018

8:30 –
17:00

Technical visit to “Ohshima Bridge” on National Route No. 437 by Bus



Final Program

20th(Fri) July 2018

9:00 - 9:10	<i>Opening session</i>
9:10 - 10:10 (Keynote I)	“Structural UHPFRC and Applications in Switzerland” Prof. Eugen Brühwiler, Swiss Federal Institute of Technology Lausanne (EPFL), Switzerland
10:10 - 11:10 (Keynote II)	“Requirements for Repair of Concrete Structures and Usage of Advanced Cement-Based Materials” Prof. Minoru Kunieda, Gifu University, Japan
11:10 - 11:30	 <i>Coffee break</i>
11:30 - 12:00 (General presentation I)	“Application of UHPFRC to Highway Bridge Deck and Performance Evaluation by Wheel Running Tests” Mr. Takashi Kosaka, Hanshin Expressway Co. Ltd., Japan
12:00 - 14:00	 <i>Lunch break</i>
14:00 - 14:30 (General presentation II)	“Bridge Deck Rehabilitation of Matsushima Bridge with UHPFRC and Performance Evaluation by Loading Test and FEM Analysis” Dr. Tatsuro Hashimoto, J-THIFCOM, Japan
14:30 - 15:00 (General presentation III)	“Seismic Safety Bearing System for Existing Concrete Bridges with UHPFRC as Anchor Filling Material “ Dr. Yasuo Kosaka, J-THIFCOM, Japan
15:00 - 15:20	 <i>Coffee break</i>
15:20 - 15:50 (General presentation IV)	“Upgrading of Reinforced Concrete Void Slab Bridge using UHPFRC” Dr. Tohru Makita, NEXCO Central Co. Ltd., Japan
15:50 - 16:20 (General presentation V)	“Application of UHPFRC with Ettringite Generation System for Precast Member and Development of Cast-in-situ Method” Mr. Yuji Watanabe, Kajima Co. Ltd., Japan
16:20 - 16:40	 <i>Coffee break</i>
16:40 – 17:10 (General presentation VI)	“UFC (Ductal) Application and Its Characteristics - Features of Various Structures and Verification of Its Durability - “ Mr. Hiroyuki Musha and Dr. Tetsuo Kawaguch, Taisei Co.Ltd., Japan
17:10 – 17:40 (General presentation VII)	“Development and Applications of UFC(Slimcrete) with Compressive Strength of 180 MPa by Ambient Temperature Curing” Mr. Kazunari Sasaki, Obayashi Corporation, Japan
17:40 - 17:50	<i>Closing session</i>
18:00 - 20:00	<i>Welcome Reception</i>