

The 2nd Workshop on

Durability of Reinforced Concrete under Combined Mechanical and Climatic Loads (2nd CMCL)

The major objective of the 2nd CMCL Workshop is to further contribute to the development of rational durability design by clarifying deterioration mechanisms under single action and combined actions (mechanical actions, multiple climatic actions, and simultaneous or consecutive mechanical and climatic actions) and to develop prediction methods for deterioration of materials and structures. In practice any structure is subjected to mechanical loads (actions). That means that durability of structures cannot be dealt with realistically when the influence of mechanical actions is neglected. Furthermore, knowledge on structural aspects (mechanics-related issues) and material aspects (durability-related issues) should be deepened and combined in the future. After the 1st CMCL Workshop, held in Qingdao in 2005, experts from all over the world will get together again to exchange latest information and to have in-depth discussions.

February 21, 2008

Keio Plaza Hotel, Sapporo (N 5 W 7, Chuo-ku, Sapporo)

| 9:30 | Opening Words |
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| 9.00 | Prof Tamon Ueda, Hokkaido Universit, Japan |
| 9:50 - 10:40 | "Shrinkage, crack formation, and chloride penetration into cracked concrete elements" |
| 0.00 10.40 | Prof Folker H. Wittmann, Aedificat Institute Freiburg, Germany |
| 10:40 - 11:30 | "Carbonation of and chloride penetration into undamaged and damaged concrete" |
| | Prof Zhao Tie-Jun, Qlngdao Technological University, China |
| 11:30 - 11:50 | THE LOCAL PROPERTY OF THE PARTY |
| 11:50 - 13:30 | |
| | "Remaining life prediction of repaired concrete structures under chloride environment" |
| | Prof Ha-Won Song, Yonsei University, Korea |
| 14:20 - 15:00 | "Study on an artificial barrier system for radioactive waste repository" |
| THE REAL PROPERTY. | Prof Takafumi Sugiyama, Hokkaido University, Japan |
| 15:00 - 15:30 | Poster Session (Coffee Break) |
| 15:30 - 16:20 | TBD |
| | Prof Koji Takewaka, Kagoshima University, Japan |
| 16:20 - 17:00 | "Damage and deterioration evaluation of concrete by mesoscopic analysis method" |
| | Dr Yasuhiko Sato, Hokkaido University, Japan |
| 17:00 - 17:30 | |
| 17:30 | Closing Words |
| | Prof Takafumi Sugiyama, Hokkaido University, Japan |
| 18:00 | Party |

Registration:
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Registration Fee: Free (workshop) 6,000 yen (party)