PIARC International Seminar on Road Condition Monitoring & Material Recycling Technique
(Joint Seminar of China RIOH and PIARC TC4.2, 26-28 March 2014)

Seminar
PIARC International Seminar on Road Condition Monitoring and Material Recycling Technique

Sponsors
The World Road Association (PIARC)
Research Institute of Highway, Ministry of Transport (RIOH)

Organizers
National Engineering Research Center of Road Maintenance Technologies, China (RoadMainT)
International Technical Cooperation and Exchange Center of RIOH, China

Co-organizer
Beijing Municipal Bridge Maintenance Management Group Co., Ltd

Topic
1. Road Condition Monitoring
2. Material Recycling

Conference Agenda

Theme-1: Road Condition Monitoring (Wednesday March 26th, 2014)

• Keynote speech: High speed data collection techniques and its engineering implementation in China
  Speaker: Dr. PAN Yuli, Director of RoadMaint Co., Ltd

  Session I: State of art of road data collection techniques and their implementation

  • Topic 1-1-1: High speed road deflection survey techniques and its application in China
    Speaker: Mr. CHANG Chengli, National Roads and Bridges Quality Supervising and Testing Center
• **Topic 1-1-2**: Establishment of technical assurance system for trunk roads network monitoring in China  
  Speaker: Ms. YU Liyun, Highway Monitoring & Response Center of MOT

• **Topic 1-1-3**: Use of 3D laser sensors for collecting surface distress information  
  Speaker: Mr. Benoît Petitclerc, Ministry of Transport for Québec, Canada

• **Topic 1-1-4**: Use of in-vehicle sensors to monitor road conditions  
  Speaker: Mr. Margo Briessinck, Agency for Roads and Traffic–Brussels, Belgium

**Session II: Quality control of data collection and analysis**

• **Topic 1-2-1**: Accuracy control of data collection equipments  
  Speaker: Mr. HE Song, National Center of Metrization for Equipments of Roads and Bridges.

• **Topic 1-2-2**: Quality control of field survey and data processing of CiCS  
  Speaker: Dr. PAN Zongjun, RoadMainT Co., Ltd

• **Topic 1-2-3**: Overall quality management data  
  Speaker: Mr. Leif Sjögren, Swedish National Road and Transport Research Institute

• **Topic 1-2-4**: Utilising the right data for quality analyses  
  Speaker: Mr. Michael Moffatt, Australian Road Research Board

**Session III: Analysis of the condition data**

• **Topic 1-3-1**: Development of road maintenance decision system based on road condition data in Zhejiang Province  
  Speaker: Mr. ZHU Dingqing, Zhejiang highway administration Bureau

• **Topic 1-3-2**: Management and use of road condition data for expressway maintenance decision support in Hebei Province  
  Speaker: Mr. ZHAO Baoping, Hebei Provincial Expressway Administration Bureau

• **Topic 1-3-3**: Application of high speed data collection techniques in road routine maintenance management in Beijing.  
  Speaker: Mr. KAN Lijun, Beijing Municipal Bridge Maintenance Management Group Co., Ltd

• **Topic 1-3-4**: Use of road condition data in refining existing specifications  
  Speaker: Mr. Mohammed Shafiq Aazam, Ministry of Transport, Saudi Arabia
Theme-2: Road Material Recycling (Thursday March 27th, 2014)

- **Keynote Speech**: State of art of material recycling techniques and their implementation in China
  
  Speaker: Dr. HUANG Songchang, Research Institute of Highway

- **Keynote Speech**: Overview of PIARC’s new guidelines on pavement recycling
  
  Speaker: Mr. Mats Wendel, Swedish Transport Administration

**Sessions I**: Cold recycling technology of asphalt pavement

- **Topic 2-1-1**: Cold recycling technology of emulsified asphalt
  
  Speaker: Mr. WANG Songgen, RoadMainT Co,Ltd

- **Topic 2-1-2**: Cold recycling technology of foam asphalt
  
  Speaker: Professor HAO Peiwen, School of highway of Chang’an University

- **Topic 2-1-3**: Structure and material design of cold recycling asphalt pavement
  
  Speaker: Professor SUN Lijun, School of Transportation Engineering of Tongji University

- **Topic 2-1-4**: Cold-in place recycling with emulsion/cement in Portugal
  
  Speaker: Ms. Eugénia Correia,EP Estradas de Portugal, Portugal

**Session II**: Hot recycling technology of asphalt pavement

- **Topic 2-2-1**: Key construction techniques control of hot in place recycling asphalt
  
  Speaker: Mr. ZHANG Yifu, Freetech Co,Ltd

- **Topic 2-2-2**: Sustainable pavements in USA
  
  Speaker: Mr. Suneel Vanikar, Federal Highway Administration, USA

- **Topic 2-2-3**: Recycling of road pavements in cold climates
  
  Speaker: Mr. Joralf Aurstad, Norwegian Public Roads Administration

**Session III**: Recycling technology of cement concrete pavement

- **Topic 2-3-1**: Recycling technology of waste cement concrete
  
  Speaker: Dr. TIAN Bo, Research Institute of Highway

- **Topic 2-3-2**: Rubblization technology of cement concrete pavement
  
  Speaker: Mr. ZHANG Yuhong, Shandong Provincial Highway Administration Bureau

- **Topic 2-3-3**: Recycling of concrete into new concrete pavements
  
  Speaker: Mr. Mario Krmek, ASFINAG, Austria
Participants
- Heads and the project managers from domestic Department of Transport, Bureau of Highways, and Conservation Department of Expressway Authority Maintenance
- Technicians from designing institute and transport research institute on roads, municipal, water resource and other related aspects
- The highway construction companies, maintenance companies, supervision units, engineering quality supervision, inspection and evaluation units, and others from related colleges and universities.

Seminar Venue
Beijing Friendship Hotel
Website: http://www.friendshipbjhotel.com/

Registration Fee
RMB1800 / person, including meeting packet and meals. Accommodation is EXCLUDED.

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