



Chairs: Manfred Partl, Gabriele Tebaldi, Shouichi Akiba



(100 Views of Expressways- Mt.Fuji)



Source: Mainichi Shimbun
“<http://mainichi.jp/articles/20160831/k00/00e/040/206000c>”

Date : 20th to 21st November 2017

Venue: Shibaura Institute of Technology,
Toyosu Campus Tokyo, Japan

Hosted by

ISAP Technical Committee on Asphalt Pavement &
Environment

ISAP APE Symposium 2017 Organizing Committee
in Japan Road Association Pavement Committee

Sponsored by

Japan Road Contractors Association

Co-Sponsored by

The Japan Asphalt Association

Japan Modified Asphalt Association

Japan Emulsified Asphalt Association

Japan Asphalt Mixture Association

Program (20th November (Mon.))



1. Opening Ceremony (9:00-9:15)
2. Keynote Lecture (9:15-10:20)
3. Presentation (10:20-17:20)
 - 10:20-11:20 Session 1 (Asphalt binder, asphalt mixture)
 - 11:20-11:40 Break time
 - 11:40-13:00 Session 2 (Asphalt mixture)
 - 13:00-14:00 Lunch Break
 - 14:00-14:40 Poster Session (at 6th floor)
 - 14:40-15:40 Session 3 (Construction, Skid, Environment)
 - 15:40-16:00 Break time
 - 16:00-17:20 Session 4 (Repairing, Recycled aggregates)
4. Welcome Party (18:00-20:00) (at 3rd floor cafeteria)

Program (21st November (Tue.))

1. Presentation (9:00-12:00)

09:00-10:20 Session 5 (Recycling of binder)

10:20-10:40 Break time

10:40-12:00 Session 6 (Recycling of mixture)

2. Closing Ceremony (12:00-12:30)

Comments on the Symposium

Awards ceremony (for good papers & posters)

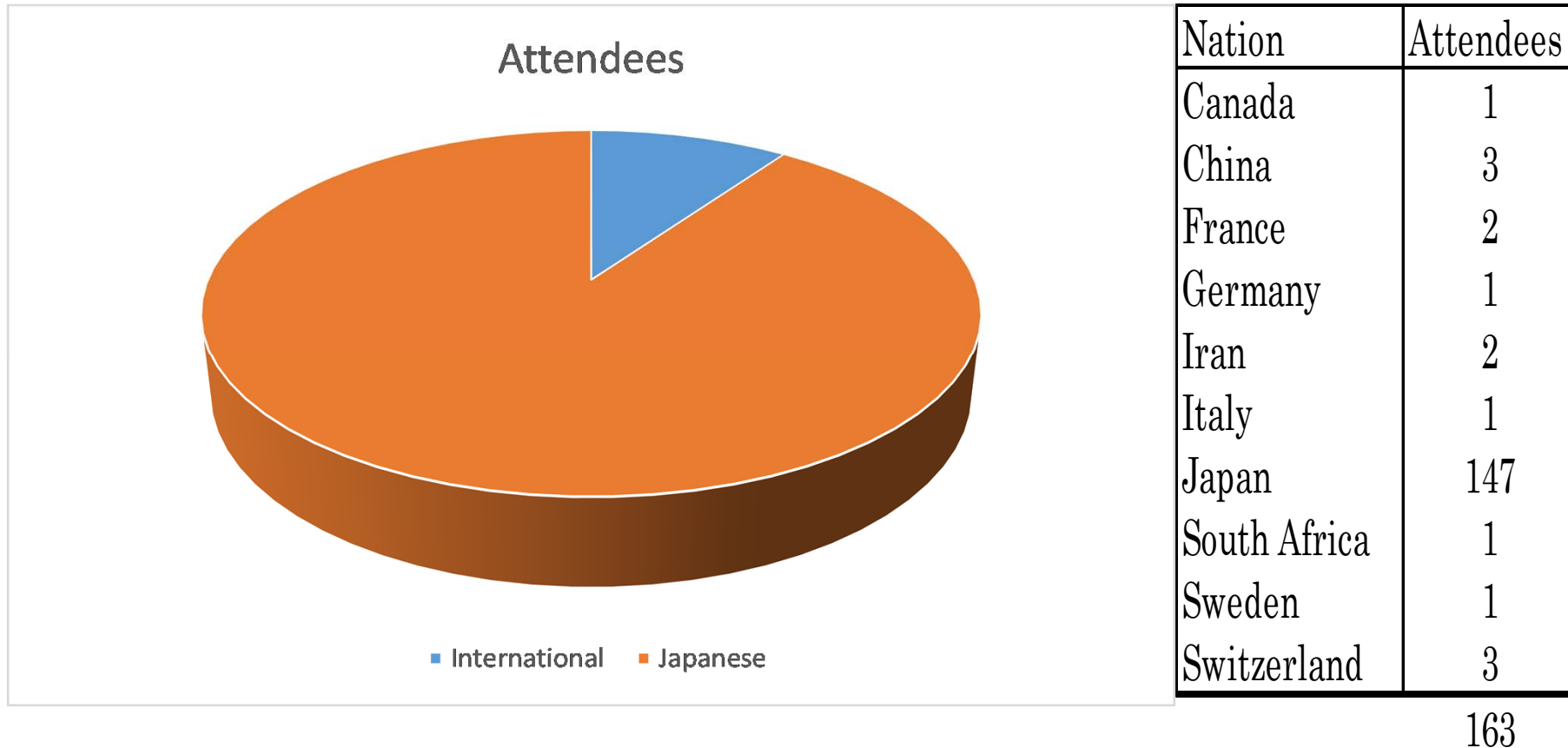
~ Lunch (12:30-13:30) ~

3. ISAP Lecture (13:30-15:00)

Organizer : Japan Road Association International Committee,
Pavement Committee

4. Visiting Highway Techno' Fair (15:00-17:00)

Number of Attendees at the Symposium

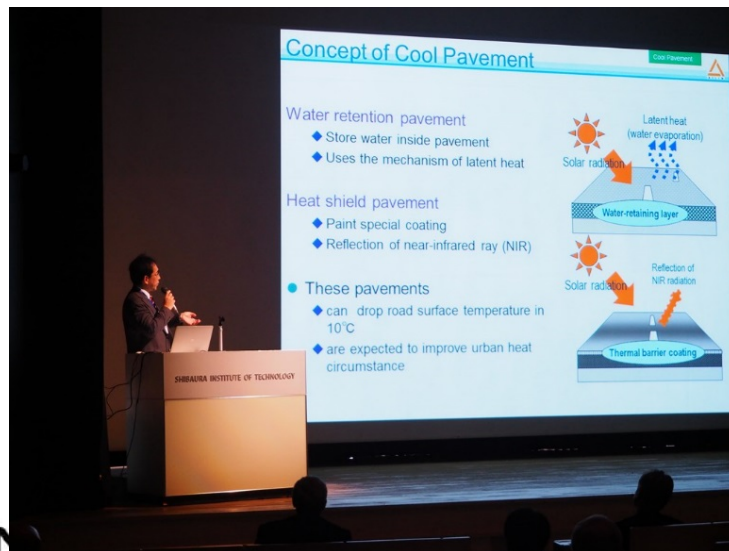


(1) Eco-Friendly Pavement Technologies in Japan

Pavement and Earthworks Division, Road Structures Department
National Institute for Land and Infrastructure Management Head
Kazuyuki Kubo

(2) Evaluating the effect of heat shield pavement and efforts toward the Tokyo Olympic and Paralympic

Tokyo Metropolitan Government
Deputy Director Dr. Jun-ichi Minegishi



Oral and Poster Sessions



- ☞ 41 full papers were submitted.
- ☞ 22 papers were presented at oral sessions.
Topics of paper: asphalt binder, asphalt mixture, repairing, recycled aggregates, recycling of binder, recycling of mixture, construction, skid resistance, and others
- ☞ 8 papers were presented at poster session.
- ☞ Awards
 - 7 good papers were selected and awarded by the paper review result and evaluating the presentation. These papers will be submitted the RMPD journal.
 - 3 good posters were selected and awarded by evaluating the presentation.

Oral Session1 (Asphalt binder, asphalt mixture)

NEXCO

Chairperson : Keizo Kamiya

- 01 Improvement of longitudinal asphalt joints performance by using induction heating
Moises Bueno (Manfred Partl)
- 02 Examination of Asphalt mixture for Durable Binder Course
Constructed on RC Slab
Masashi Itani
- 03 Development of new Polymer Modified Bitumen (PMB) for service life extension and sustainability enhancement by controlling rheological properties
Kentaro Noguchi

Chairperson : Prof. Kim Jenkins

04 Investigation of asphalt joint compaction using discrete element simulation

Ehsan Ghafoori Roozbahany

05 Evaluation on High Rutting Resistance of Hot Mix Asphalt with Polymer Modified Asphalt Available in Japan

Yuichi Miyagi

06 Research on property of modified guss-asphalt mixture

Takahiro Kiya

07 Experimental study on out-of-plane shear fracture properties of asphalt mixtures

Yousef Samin

Chairperson : Nagato Abe

08 High-Performance SMA: Study on Rolling Compaction Methods and Quality

Shunsuke Tanaka

09 Development of an Easy Construction Type Aqueous Color Paint Having Excellent Abrasion and Skid Resistance

Keisuke Narushima

10 Evaluation method of tire-pavement rolling resistance using a vehicle-mounted component wheel forces measurement system

Yuu Shirai

Oral Session4(Repairing, Recycled aggregates)

NEXCO

Chairperson : :Dr. Martin Hugener

- 11 Study on the Road Surface and Weather Conditions under Which Potholes Forms in Cold Regions
Kimio Maruyama
- 12 Low temperature investigation on the combined recycling of reclaimed 1 asphalt pavement and steel slag in asphalt mixture
Augusto Cannone Falchetto
- 13 Experimental Investigation into Extending the Life of Asphalt Pavement by Fog Seal
Masaya Tsukamoto
- 14 Development of High Endurance Slurry for Patching Material on Asphalt Pavement
Show Ueno

Oral Session5(Recycling of binder)



Chairperson : Prof. Herve Di Benedetto

15 Effect of aging on the microstructure of reclaimed asphalt binder with bio-based rejuvenators

Maria Chiara Cavalli

16 Experimental investigation of wearing course mixtures prepared with reclaimed asphalt pavement and rejuvenators based on the BTSV method

Augusto Cannone Falchetto

17 Influence of rejuvenator composition on the properties of repeatedly recycled asphalt and asphalt mixtures

Atsushi Kawakami

18 BioRePavation: Innovation in bio-recycling of old asphalt pavements, towards safe cost effective renewable pavement

Chailleux Emmanuel



Oral Session6(Recycling of mixture)



Chairperson : Kazuyuki Kubo

19 A Study on Changes in the Properties of Recycled Asphalt Aggregate in Repeated Use

Chigusa Ueno

20 A Study on Warm-Mix Asphalt Technology Application in Snowy Cold Regions

Ryuji Abe

21 Study on warm-mix foamed asphalt mixture with high recycled asphalt content and its quality improvement

Kentaro Koshi

22 3D linear viscoelastic behavior of bituminous mixtures with high content of reclaimed asphalt pavement recycled 3 times

Alvaro Pedraza (Herve Di Beneditte)

ISAP Lectures

Organizer: Japan Road Association International Committee,
Pavement Committee

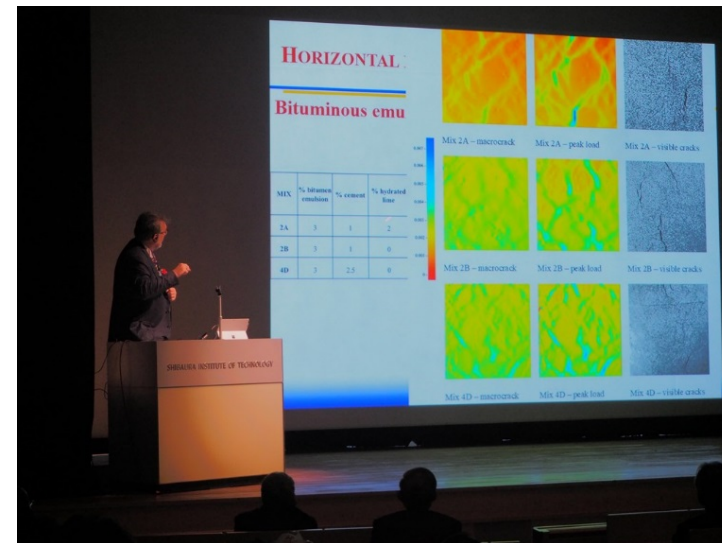
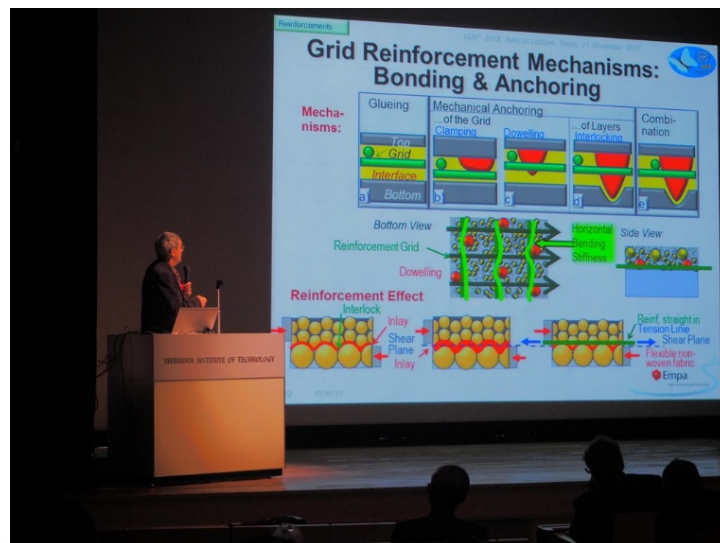
(1) Cracking and debonding performance of asphalt pavement

Prof. Manfred Partl

(2) Cold recycling and lime- Effects of active fillers

in asphalt cold recycling

Prof. Gabriele Tebaldi



Highway Techno' Fair 2017

NEXCO



- ☞ One of the biggest highway maintenance exhibition in Asia
- ☞ 282 exhibitors
Many pavement and material companies join
- ☞ More than 20,000 visitors

Memories of Symposium 1



Opening Ceremony 1



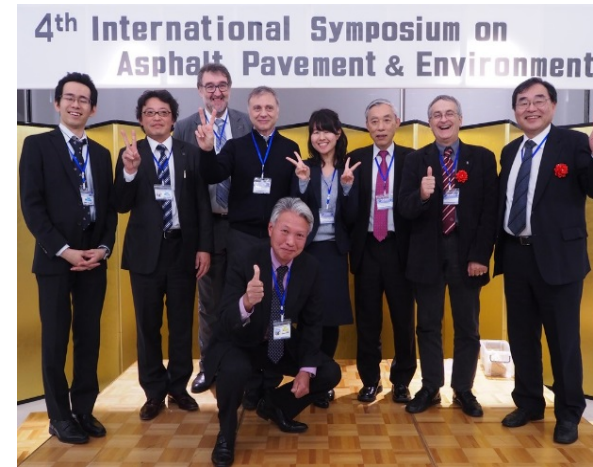
Opening Ceremony 2



Symposium session room

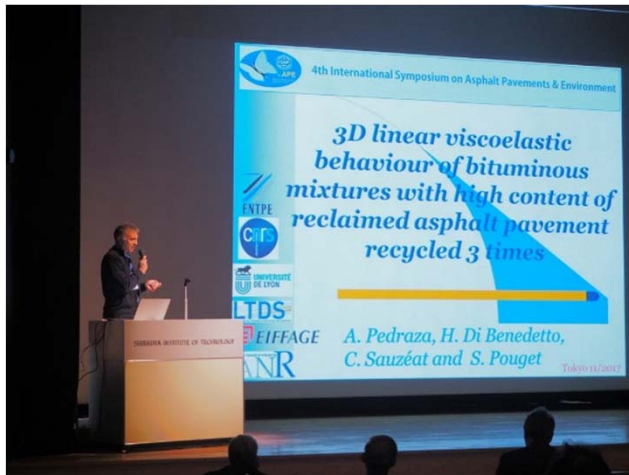


Awarding Ceremony

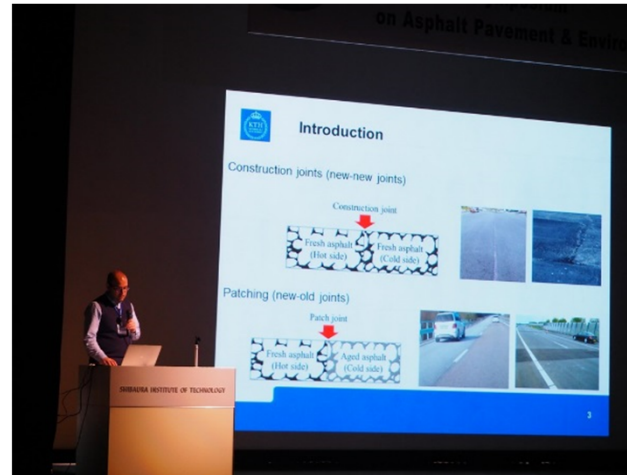


Welcome party

Memories of Symposium 2



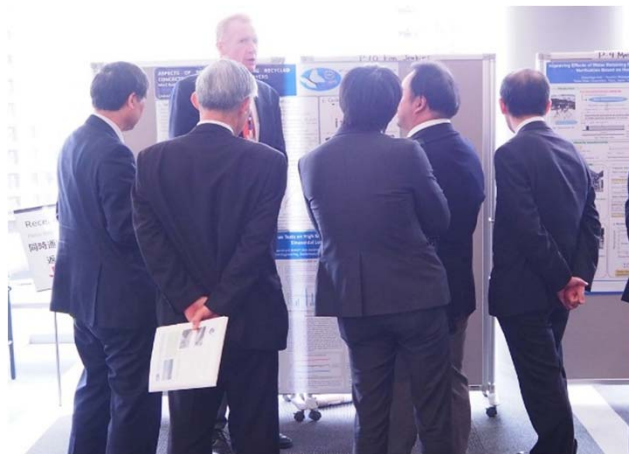
Oral Session 1



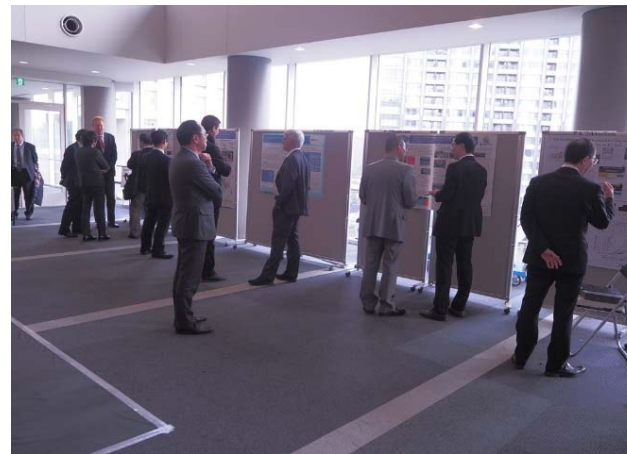
Oral Session 2



Oral Session 3



Poster Session 1



Poster Session 2



Exhibition of Heat Shield Pavement

Thank you for your cooperation!

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