

[Poster session]

1. Crack Sealant Materials and Implementation Techniques
M. Mazumder, S. Lee / USA
2. A Study on Effect of Tunnel Interior Materials to Pavement Luminance in Road Tunnel
C. Lee, B. Lee / Korea
3. Aging Quality Control by Inspecting Paving Asphalt Mix Using GPC
Y. Kim, W. Kim, S. Kim, K. Kim / Korea
4. Determining SARA Fractions in Paving Asphalts using Mid-infrared Spectra and Chemometrics Method
J. Li, F. Xiao / China
5. Use of DSR Cup-and-Bob Setup to Conduct Australian Elastometer Consistency 6% tests
Y. Choi / Australia
6. Fesibility of Different Rheological Models on Composite Pavement Structure Performance Prediction
K. Moon / Korea
7. Low Temperature Fracture Performance Comparison of IDT Strength and SCB Fracture Testing Configurations
K. Moon / Korea
8. Feasibility Analysis of Taconite Aggregate by Means of Extensive Experimental Works
K. Moon / Korea
9. Crack Resistance of SMA(stone mastic asphalt) Containing RAP(reclaimed asphalt pavement)
S. Kim, J. Shen and K. W. Kim / USA
10. Applicability of Waste Plastic Aggregates for Manufacture of Asphalt Mixtures
Y. Kim, J. Lee, W. Kim, S. Kim, K. Kim / Korea
11. Development of Wax-based Warm-mix Asphalt Additive and Performance of Warm-mix Asphalt Mixtures
S. Kim, W. Kim, A. K. Kim, K. W. Kim / Korea
12. Characteristics of Foamed Asphalt Concrete Using Water-soluble Additives
H. Choi / Korea
13. Automatic Classification of Abnormal Objects on Road Using AI for Pothole Management
M. Lee, M. Kim, S. Han / Korea
14. Feasibility of Modified WT Test for Asphalt Concrete under Railway Loading System
I. H. Na and K. Kim / Korea
15. Field Application of Thin Sand Mastic(TSM) Using High Performance Binder
M. J. Cho, H. Shin, J. Park, H. Kim / Korea
16. Analysis of Temperature Reduction of Asphalt Pavements Coated with Heat-Shield Materials Based on TiO₂
S. Kim, J. Lee, Y. Jo and B. Choi / Korea
17. Field Permeability Evaluation of Porous Asphalt Pavement
O. Kwon, J. Lee, Y. Hwang, W. Jung, H. Kim / Korea
18. Evaluation of Recovery Performance of Domestic Modified Asphalt Binders Using MSCR test
J. Han, C. Park, D. Kim, J. Jeon, K. Shin / Korea
19. Verification on the Suitability of IoT Weighing Platform for Theoretical Maximum Density Test
J. Choi, S. Kim, H. Jin, S. Oh / Korea

15th International Symposium on

Advanced Technologies in Asphalt Pavements

ATAP 2023

- Asphalt Concrete Pavement for ESG -

Date : February 2~3rd, 2023

Venue : Cyberlab Classroom, College of Engineering

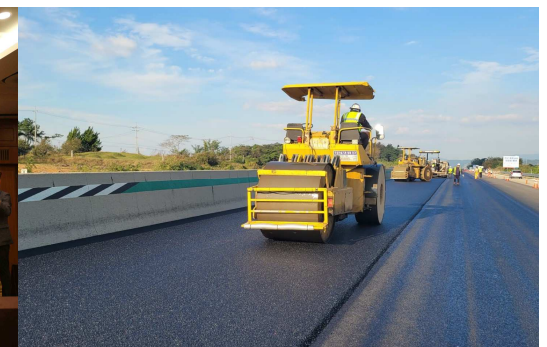
Kangwon National University

Host : Korea Asphalt Institute

일 시 : 2023년 2월 2일(목) ~ 2월 3일(금)

장 소 : 강원대학교 공과대학 사이버 랩실

주 최 : 사단법인 한국아스팔트학회



Program

□ February 2, 2023

13:00 – 13:30 **Registration** Moderator: Dr. SungUn Kim

13:30 – 13:40 **Opening Speech : Professor TaeSoon Park**
(Chairman of the Korea Asphalt Institute)

13:40 – 13:50 **Welcome Speech : Professor Emeritus KwangWoo Kim**
(Kangwon National University)

13:50 – 14:00 **Congratulatory Speech : YuBok Kim**
(Executive Director R&D Headquarters, Korea express highway)

14:00 – 14:20 **Keynote lecture**
Dr. KiHoon Moon (Korea Expressway Corporation)

Asphalt pavement : material, analysis, modeling and future

14:20 – 16:20 **Oral presentation** Session chairmen: K.H. Moon / K.W. Park

- Asphalt pavement management plan using IoT

K. Jeong, /KICT

- Long-Term Field Monitoring on the Performance of the Steel Slag Hot Mix Asphalt Pavement

K. Park /SG co.,Ltd.

- Evaluation Factors for Low-temperature Performance Analysis of High Viscosity Asphalt Binder using Flexural Beam Test and Modeling Analysis

I. Kang, K. Moon, T. Park /KICT

- Influence of Vinyl acetate Ethylene on the Adhesion and Mechanical Performance of Warm Mix Asphalt

S. Oh, Y. Choi / WACKER Chemical Korea

- Field Survey of Expressway in North Korea

K. Lee / Korea Expressway Corp.

- Proposal for Strength Quality Control of Asphalt Paving Mixture for Rut-Resistant Pavement

K. Kim /Kangwon National University

- Evaluation of straight asphalt binder mechanical performance by means of various sigmoidal models application

S. Cho, T. Park, K. Moon /SK ecoplant co.,Ltd.

- A Case Study on Rehabilitation of Nakdong Steel Deck Bridge in West-Busan using Guss Asphalt

J. Jin / Seil Matrix co.,Ltd.

16:20 – 17:00 **Poster session & Coffee break**

17:00 – 17:20 **Closing ceremony**

17:40 – 20:30 **Dinner**

Invitation

□ Keynote speaker



Dr. Ki Hoon Moon



ATAP 2023

□ Presenter

Dr. KyuDong Jeong	Dr. KyungWon Park	Dr. IlHwan Kang	Dr. Sung Oh
Dr. KyungHa Lee	Prof. KwangWoo Kim	Dr. SangGab Cho	Dr. Junghoon Jin

□ Registration Information

- ▶ Account Number: **Industrial Bank of Korea, 448-024159-01-11**
(Korea Asphalt Institute)

- ▶ Credit card & Cash payment on site

- ▶ Early Bird-registration inquiry : Sung Un Kim , +82-10-8798-3961

- ▶ Registration fee

- Foreigner : U\$250 (Accompanying person U\$50)

- Local : Early Bird- Registration ₩150,000

- On-site ₩300,000 (Accompanying person ₩100,000)

Note : Participation in this symposium can be registered as technical maintenance training (Confirmation documents are issued by the society)

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