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H2020-MSCA-RISE-RISEN  
Rail Infrastructure Systems Engineering  
Network

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Norwegian University of  
Science and Technology



RISEN



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## September 2017 Newsletter



### Foreword

Welcome to the September issue of RISEN newsletter.

Please kindly note in your diary that we will have the Project Midterm Review on **Friday 20 October 2017** (9.00-17.30) at Poli Milan, Italy. It is mandatory for all EU partners to attend either face to face or via teleconference. I would like to ask every partner to prepare the summary of your institution secondment and future plan. Any reason or potential cause for secondment delay should be recorded, highlighted and justified so we could help you effectively. We will also welcome three talented secondees, who have returned home institutions. They will join the review meeting and give us their thought and insights to RISEN management.

**Congratulations** to all of us. RISEN has been chosen for European Commission's new initiative: **The Innovation Radar**. The Innovation Radar is an initiative supported by the European Commission focussing on the identification of *high potential* innovations and the key innovators behind them. We will further discuss this during the Midterm Review in Milan.

To enhance our robust research exchange and secondments, we are very grateful and humble to announce that **Japan Railway Technical Research Institute (RTRI)** in Tokyo) and the **University of California, Berkeley** will take part in RISEN. Official arrangement is being carried out to amend the project agreement. Hopefully, we can facilitate research secondments with them by the end of 2017. Please kindly contact RISEN coordinator if you wish to carry out research secondments with them.

Hope you all are not overly busy during term time! For those who are on a secondment, please kindly let us know your twitter, Instagram or social media. We will try our best to promote you and your research.

Best wishes and take care,

**RISEN Coordinator**

Dr Sakdirat Kaewunruen, the University of Birmingham, UK  
Twitter: @risen2017, YouTube Channel: ['RISEN2Rail'](#)

Best wishes and take care,

**RISEN Coordinator**

Dr Sakdirat Kaewunruen, the University of Birmingham, UK.

[www.risen2rail.eu](http://www.risen2rail.eu)



## RISEN UOB arranged seminar by guest speaker from University of Zagreb



Dr. Ivo Haladin, Postdoctoral Researcher at Department for Transportation Engineering, Faculty of Civil Engineering, University of Zagreb, Croatia, narrated on topic "The Effect of Rail Fastening System Modifications on Tram Traffic Noise and Vibration". The event was considerably paid attention by UOB's students, postdoctorals and researchers. Dr.Ivo also specialises in railway noise & vibration, RUCONBAR (Rubberized concrete noise barriers), ballastless track ECOTRACK, effect of dampers on rail vibrations, COST Action CA15125 etc.

## RISEN UOB participated DENORMS Action's Workshop

RISEN UOB Team (Dr Kaewunruen) participated in the DENORMS Action's Brainstorming Workshop "Sandpit: New approaches to design of noise reducing materials and structures" on 14th -15th September 2017 in Novi Sad (Serbia), organized by University of Novi Sad. In this workshop, a novel development using meta-materials in railway industry was formed.



## RISEN UOB participated BESTINFRA 2017

RISEN UOB Team (Mr Ngamkhanong) participated and gave research presentations in The Building up Efficient and Sustainable Transport Infrastructure (BestInfra 2017) held in Prague, Czech Republic 21th - 22th September 2017. Mr Ngamkhanong also chaired a session on railway infrastructure.



## ISO standard committee meeting in Paris



RISEN UOB Team (Dr Kaewunruen) has been appointed as the UK Expert on ISO Standard Working Group for Railway Concrete Sleepers and Bearers. This appointment will enhance RISEN outcome in order to make strong and lasting impact on international standardization. The kick-off meeting, sponsored by British Standard Institute (BSI), was carried out in Paris, France. Dr Kaewunruen will fully assist on both design and testing review of the standard. After the meeting, he had also given a talk on railway research and RISEN at CentraleSupélec.

## RISEN UOB participated IMST 2017



RISEN UOB Team (Dr Kaewunruen) participated and gave research presentations in the 3rd International Conference "Innovative Materials, Structures and Technologies" (IMST 2017) organized by the Faculty of Civil Engineering, Riga Technical University in Riga, Latvia, on 27th - 29th September 2017. Dr Kaewunruen also chaired a session on structural control and health monitoring.

## News and Events (please kindly submit your news, marketing and event items to [s.kaewunruen@bham.ac.uk](mailto:s.kaewunruen@bham.ac.uk))

- The 2nd Joint Workshop on Tribology will be held in Tokyo Japan from 15 to 16 November 2017. This workshop is jointly organised by RISEN Brno University of Technology (Prof M Hartl) and RTRI (Dr Chen). You all are invited to attend this event. The event program will be posted on RISEN website ([www.risen2rail.eu](http://www.risen2rail.eu)). Note that the participation is free. Please kindly RSVP via e-mail: [chen@rtri.or.jp](mailto:chen@rtri.or.jp) (Dr Chen) by the end of October 2017.
- You all are invited to submit a contribution for a special issue on 'Railway infrastructure engineering' in *Infrastructures*. This gold open access journal complies with European Commission H2020 Article 29. The submission is **free** until the end of 2017. For more details, please visit <http://mdpi.com/si/9564>
- RISEN will organise a WCCM2018 special issue on Computational Mechanics and Dynamics in Transportation Infrastructures in NYC next year. You contributions are welcome: [http://www.wccm2018.org/MS\\_1313](http://www.wccm2018.org/MS_1313)