



UNIVERSITY OF BIRMINGHAM



UNIVERSITY OF WOLLONGONG AUSTRALIA



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

U. PORTO

NTNU Norwegian University of Science and Technology



RISEN



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## January 2018 Newsletter



### Foreword

Welcome to the January issue of RISEN newsletter.

First, Happy New Year 2018 and hope this newsletter finds you well and happy. I would like to thank all EU partners to help accelerate the secondment progress during the past couple of months. RISEN consortium will reach the second year in mid-April 2018 and we will have a web-based consortium meeting in March/April 2018. Please kindly advise your preferred time (GMT) via our doodle poll: <https://doodle.com/poll/dx9y5a6bv8fxue3g>. I hope to connect with you or your delegate to help review RISEN progress and risk. The grant agreement amendment has been finalised and in consultation with EU officer. We will welcome five new world-class partners including the University of California Berkeley, Japan Railway Technical Research Institute, University of São Paulo, Iranian University of Science and Technology, and Evoleo Germany. Unfortunately, we have experienced a few technical issues with PIC registration but we will try our best to get the amendment done as quickly as possible. However, please do not hesitate to contact us if you need any help with secondment planning. We would be happy to help place you with the host as soon as we have your information. Please note that EU partners can directly contact any potential host (supervisor) to self-arrange the secondment.



**Congratulations** to our UOW Partners. Led by Dist. Prof Buddhima Indraratna, University of Wollongong will play a key role in Innovative Rail Technology Training for Australian Industry through a major grant winning. In addition, Dr Kaewunruen (UOB Team) has been appointed on the editorial panel of UK Institution of Civil Engineers – Transport. This appointment will spring board RISEN outcome into faster pathway to impact.



Please kindly note that there will be 2 upcoming large events for RISEN this year! First, the ECR/STEM Training Workshop and Research Conference (all abstracts will be indexed with DOIJ and gold open access) will be hosted in Brno, Czech (June 2018) and the doctoral course on passenger railway and contact mechanics (to replace summer course) will be hosted in Delft, the Netherlands (September 2018). 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**

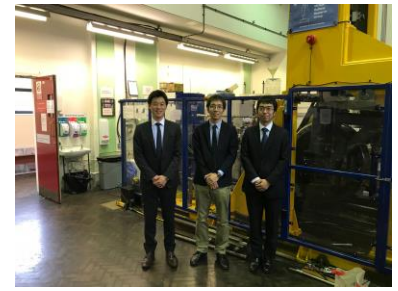
Dr Sakdirat Kaewunruen, the University of Birmingham, UK; Twitter: @risen2017, YouTube Channel: [‘RISEN2Rail’](#)

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



## RISEN UOB warmly welcomed Dr Goto from RITI

UOB RISEN Team has warmly welcomed Dr Keiichi Goto from Railway Dynamics Division, Railway Technical Research Institute, Japan. Dr Goto has visited RISEN Team as a visiting scholar to build new collaboration on railway research. He will carry the research in the following areas: railway track simulation, evaluation and design of railway prestressed concrete sleepers, and railway vibrations. He will be based in the University of Birmingham UK from November 2017 to November 2019 (2-year term).



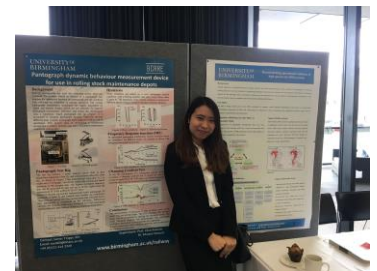
## RISEN UOB visited State Railway of Thailand



UOB RISEN Team (Mr Ngamkhanong) visited State Railway of Thailand to build new collaboration and improve railway research. In Thailand, the construction of the long-awaited high-speed railway connecting Thailand and China is set to start very shortly. This visit will enable the relationship between RISEN and SRT in sharing track inspection data. This data will help UOB validate the new Bayesian-Network AI for adaptive inspection planning.

## RISEN UOB participated in RRUKA annual conference

UOB RISEN Team (Ms Rungskunroch) participated and gave a poster presentation in the RRUKA conference 2018 held in Kings Place, London on 16 November 2018. The Rail Research UK Association (RRUKA) is a partnership between the British rail industry and UK universities. It has presented numerous opportunities to find out about technology transfer and applications to rail-related issues. Her work is among a few that have been selected from over 100 submissions to present in the conference.



## RTRI held the 17th China-Korea-Japan Railway Research Technical Seminar



RTRI held the 17th China-Korea-Japan Railway Research Technical Seminar with delegations from CARS, Chinese Academy of Railway Sciences, and KRRI, Korean Railroad Research Institute on November 20 and 21. Researchers of three organisations reported the results of their 10 collaborative projects, and discussed and set up seven new projects.

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

- RISEN will organise a WCCM2018 special session on Computational Mechanics and Dynamics in Transportation Infrastructures in NYC in July this year. Your contributions are welcome: [http://www.wccm2018.org/MS\\_1313](http://www.wccm2018.org/MS_1313)
- RISEN will chair two technical sessions at Railways 2018. Your contributions are welcome: <http://www.civil-comp.com/conf/2018/rw/rw2018.htm>
- The 11th International Conference on Contact Mechanics and Wear of Rail/Wheel Systems (CM 2018) will be organized by Delft University of Technology (TU Delft), in The Netherlands, September 24-27, 2018. The theme of the conference is Connecting Science and Practice Towards Future Rail-Wheel Interaction. This event will be run in parallel with RISEN Doctoral Course on Passenger and High-speed Railways. More details can be found in <https://cm2018.org>
- In June 2018, BRNO University of Technology in Czech Republic will proudly host the third RISEN ECR Training Workshop to provide training in public speaking and engagement, research commercialisation skills, intellectual properties and open access publication strategies for RISEN young researchers and scholars. If you would like to participate, please send an email to RISEN Project Researcher Chayut Ngamkhanong ([chayut.ngam@gmail.com](mailto:chayut.ngam@gmail.com)). The deadline for registration is June 1, 2018.
- RISEN Mid-term Consortium Meeting will be arranged by Web Meeting in March/April 2018 (GMT time). Please register and give your preference on Doodle <https://doodle.com/poll/dx9y5a6bv8fxue3g>