



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



POLITECNICO MILANO 1863

VYSOKÉ UČENÍ TECHNICKÉ V BRNĚ



March 2019 Newsletter



Foreword

Welcome to the March issue of RISEN newsletter.

We will have an annual consortium meeting (for European Partners) on Wednesday 3rd April 2019 (Morning). We will send a separate e-mail for the web link and the meeting agenda. During the meeting, we will discuss the remaining tasks and secondment plan revision for the next 12 months (until April 2020). It is important to note that we need to declare the actual secondments on 'EU Participation Portal' within 20 days after the start of the secondment.

We will send you an invitation to contribute for an edited book 'Best Practices Handbook of Rail Infrastructure Resilience', to be published by Elsevier. This will be followed by another book 'Best Practices Handbook of Advanced Rail Condition Monitoring', to be published by Frontiers.

There will be a couple of events this year devoted to RISEN ECRs/ERs. First, the **ECR Training Workshop** will be organised in July/August 2019, and the **Summer Course on Railway Engineering** will be around September 2019. We will provide more information about this in coming months.

We are very delighted to learn that our partners have been very active. There will be a number of events, conferences and activities organised by our partners all over the world. More information can be found later in this newsletter. Also, if you wish to host any event in the future, please do not hesitate to let us know.

Best wishes and take care,

RISEN Coordinator

Dr Sakdirat Kaewunruen, the University of Birmingham, UK; Twitter: @risen2017, YouTube Channel: ['RISEN2Rail'](#) URL: www.risen2rail.eu

University of Birmingham to host UK Acoustics Workshop on Transportation Noise and Vibration

RISEN UoB Team has taken part in EPSRC UK Acoustics Network to raise the research profile and industry linkage. This network comprises of over 500 researchers, scientists and industry practitioners. On this ground, the University of Birmingham by Dr Kaewunruen will host UK Acoustics Workshop on Noise and Vibration in Transportation and Transit System. The event will be organised in June 2019 at the University of Birmingham, UK.



Message from RISEN Researcher, seconded at MERMEC in France

“I was got involved into the RISEN H2020 project focuses on rail infrastructure system engineering for a three-month research secondment in MERMEC, Marseille. I worked together with researchers and engineers from France, Italy and Tunisia. Becoming acquainted with a completely different environment was a difficult transition for me at the beginning. However, I have since learned to constantly improving my background knowledge and communication skills. Consequently, I gained experience of image processing and making really good friends with some of them. Meeting different people from various background and opportunities to work on international projects is attractive. I got the opportunity to work with senior colleagues. Spending the summer in Marseille is a big bonus. It is the second-largest city of France and a coastal city. My colleagues in MERMEC are really nice. We went to swimming, hiking, shopping together on almost every weekend. The weather is warm and sunny. It was a huge opportunity to grow and an unforgettable experience!”

Fan Yang,
PhD candidate, University of Birmingham



ISO standard committee meetings in Frankfurt and Paris

RISEN Team (UOB, RTRI, CARS) are expert members on ISO Standard Working Group for Railway Concrete Sleepers and Bearers. This appointment has enhanced RISEN outcome in order to make strong and lasting impact on international standardization. A recent committee meeting was held in Frankfurt, Germany from 12th to 13th February 2019. RISEN Partners have been fully assisting on both design and testing review of the standard. In addition, RISEN UOB (Dr Kaewunruen), who is the principal scientist representing the UK on the working group on recycling of rolling stocks of International (ISO) Standard Committee, also participated in another committee meeting hosted by UIC in Paris, France (March 2019).



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

- RISEN KTH will proudly organise the course “**Advanced Structural Dynamics, Modelling and Measurement**”. The course is organised by leading experts within the fields of Structural Dynamics, Signal Analysis, Experimental Modal Analysis and Operational Modal Analysis. The course will be given in two concentrated blocks (24th–27th June and 12nd–15th August 2019) with lectures and one field test on a bridge in Stockholm For more information, please visit <http://www.risen2rail.eu/files/Advanced%20Structural%20Dynamics.pdf>
- RISEN TUT is pleased to invite you to the 21th Nordic Seminar on Railway Technology. The seminar will take place on 9-10 June 2020 at Solo Sokos Hotel Tornio Tampere in Tampere, Finland. For more information, please visit <http://events.tuni.fi/nrs2020>
- The next editions of the course "**Contact Mechanics with the CONTACT software**" will be held in Beijing on May 16-17, and in Chengdu on May 20-21. Further information is provided at <http://www.tongsuan.cn/h-nd-65.html>
- We are very pleased to announce that the 12th World Congress on Railway Research - WCRR 2019 will be held in Tokyo, Japan, at the venue called ‘Tokyo International Forum’ from October 28 to November 1, 2019 hosted by the Railway Technical Research Institute (RTRI), of the Japan Railways (JR) group. For details, please see: <http://wccr2019.org/cfp.html>
- RISEN will proudly host a special session on railway infrastructure engineering at the Congress on Numerical Methods in Engineering (CMN 2019), which will be held in Guimarães, Portugal, in July 1-3, 2019. For more information, please visit <http://www.cmn2019.pt/>
- RISEN will proudly host a mini-symposia on Computational Mechanics and Dynamics in Transport and Rail Infrastructure at The Asia Pacific Congress on Computational Mechanics, which will be held in Taipei, in December 18-21, 2019. For more information, please visit <http://www.apcom2019.org>