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H2020-MSCA-RISE-RISEN
Rail Infrastructure Systems Engineering
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January 2017 Newsletter



Foreword

Welcome to the January issue of RISEN newsletter.

Happy New Year 2017! We hope you enjoy the seasonal breaks and return back to work freshly.

For EU partners and institution coordinators, there are **two important tasks** that we need to finalise altogether. Firstly, **timesheets** of coordinators and secondment researchers must be submitted regularly to your research or EU finance office. Secondly, the **revision of secondment plans** should assure that significant work has been carried out as initially planned. This secondment plan should also be recorded by each partner on EU participation portal (via researcher list and declaration). We will contact each EU partner separately to finalise this revision.

Please kindly note in your diary that the **Midterm review** will be held at POLIMI (Italy) on Friday 20 October 2017 from 9.00 to 17.00. Skype meeting communication will be also arranged for those who wish to attend online.

Finally, we hope you are ready for the next ECR training workshop in Spain. Please see details in News Section. In addition, we welcome any blog, facebook and twitter accounts that we could link them to our website. If you plan to go on a secondment, please keep tweeting your research exchange experiences and we will link or retweet it on our website.

Best wishes and take care,

RISEN Coordinator

Dr Sakdirat Kaewunruen, the University of Birmingham, UK. [URL: www.risen2rail.eu](http://www.risen2rail.eu) ; [Twitter: @risen2017](https://twitter.com/risen2017)



RISEN participated in IMechE Tribology Challenges



RISEN UoB Team has participated in the Tribology Challenges run by the Institution of Mechanical Engineers (IMechE). In this event, a number of tribology problems and novel initiatives on modelling and innovative solutions have been presented. One of the key challenges found in the UK is the low adhesion at wheel/rail contact due to wet leaves. This outcome will help RISEN researchers to develop new inspection regime that takes into account this uncertainty

RISEN visited Crossrail Project

This visit was carried out to enhance researchers and students' practical experience in railway construction and advanced sensors, which are currently equipped on railway infrastructure. We were very grateful to Crossrail Team at Whitechapel (including Ka Ho Li, Youssef Matta and many others)



RISEN helped enrich STEM education



RISEN UoB Team had took part in Engineering Education Scheme (EES). Dr Kaewunruen has been appointed as an Academic Leader to help EES run a competition for school students (Year 10-12). This EES project is to develop positive perception in sciences, technology, engineering and mathematics for school students. EES is the largest STEM project in the U.K. and this year there are over 150 school students participated from Midlands and Wales. EES has been kindly supported by many industry partners, including those in railway sectors such as NetworkRail, High Speed Two, Arup, Amey, Atkins and so on.

RISEN Team invited to EU-COST Action: DENORMS

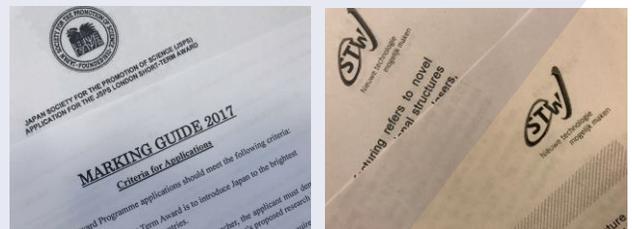


RISEN Team has been participated in an Action of European Corporation in Sciences and Technology (EU-COST). This action (CA15125) invited RISEN UoB Team to present a research 'Engineered crumbed rubber concrete for vibroacoustic reduction in railway built environment' in its first workshop "Modelling of high performance acoustic structures Porous media, metamaterials and sonic crystals", held at Rome Tre University in Rome.

DENORMS (Designs for Noise Reducing Materials and Structures), CA 15125, is funded by EU-COST. DENORMS activities were launched on 9th March 2016 for 4 years. In this event, we have developed new collaborations to enhance RISEN project.

RISEN provided support to JSPS and STW

RISEN UoB team had been invited to evaluate proposals for Japan Society for the Promotion of Sciences (JSPS) and Dutch Technology Platform (STW). These appointments help RISEN to play a key role in setting strategic priorities in engineering research for future uncertainties.



News and Events (please kindly submit your news, marketing and event items to CXN649@bham.ac.uk)

In July 2017, Polytechnic University of Valencia in Spain will proudly host the second 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 e-mail to RISEN Project Researcher Chayut Ngamkhanong (chayut.ngam@gmail.com). The deadline for registration is June 1, 2017.

The University of Birmingham will host the 25th UK Conference on Computational Mechanics. On behalf of the organising committee, we are delighted to invite you to participate in this important scientific event. UKACM 2017 will be the ideal forum to foster ideas and establish new collaborative research links, helping to build strong research networks within UK and at an international level. For more details, please visit <http://ukacm2017.ukacm.org/>.