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

U. PORTO

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RISEN



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March 2018 Newsletter



Foreword

Welcome to the March issue of RISEN newsletter.

Congratulations to everyone in RISEN consortium. We all must celebrate! RISEN has been officially recognised as 'Excellent Innovations' by The European Commission's Innovation Radar. This great news will hopefully motivate us to do even better in the second half of RISEN after mid-April 2018.

We will have a web-based consortium meeting on 4 April 2018 (13.00-16.30 GMT). We all will review RISEN progress and risk and seek a common solution together. GotoMeeting link will be sent to RISEN consortium members at the end of March.

We will officially launch the grant agreement amendment very soon (by the end of March). We will welcome six new world-class partners including the University of California Berkeley, Japan Railway Technical Research Institute, University of São Paulo, Tsinghua University, Iranian University of Science and Technology, and Evoleo Germany. Please note that EU partners can directly contact any potential host (supervisor) to self-arrange the secondment.

The planning for ECR Workshop (from 4 to 6 June) is underway. Brno Team has put significant effort in making sure that each participant will enjoy the training and Czech culture. The theme of this year ECR Workshop is 'Entrepreneurships'. It will be followed by Research Conference i-RISE 2018. The extended abstract of each presentation will be required early for index in DOAJ and will be gold open access.

The doctoral course on passenger railway and contact mechanics (to replace summer course) will be hosted in Delft, the Netherlands (September 2018). The planning is underway, thanks to help from Chair Prof Zili Li and Zhen from TUDelft.

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. We have also uploaded more interview videos on our YouTube Channel and hope you enjoy them.

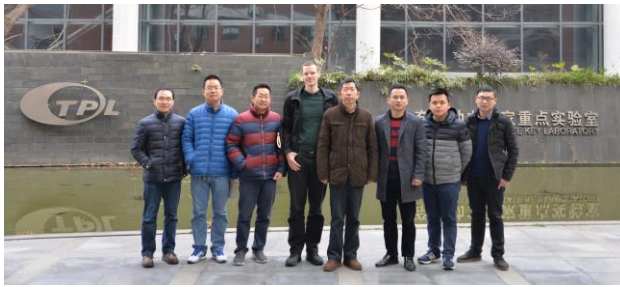
Best wishes and take care,

RISEN Coordinator

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

Note: I have recently been promoted to the Full College of UK Engineering and Physical Sciences Research Council (EPSRC). I hope we will able to relate RISEN Activities with EPSRC Grant Strategies in the near future.





## Secondment experience in China – NOT as bad as you think!

I am Andreas Andersson from KTH and spent 1 year at the State Key Laboratory of Traction Power (TPL), SWJT, Chengdu, China. I have been working in the research group led by Prof. Wanming Zhai and my main research topics included dynamic train-track-bridge interaction and dynamic soil-structure interaction, both with

application to high-speed railways. It has been a great privilege to be part of this vibrant and experienced research group and to learn from the best. I am very impressed by the research produced at TPL, both in various aspects of vehicle engineering as well as the infrastructure side, e.g. railway bridges. I felt included in the group from day one and have made many good friends. It has been a great experience to live in China for one year; Chengdu feels like my second home. Also, the Chinese work mentality really appeals to me, contributing to a very stimulating work environment.

**Andreas Andersson, KTH Royal Institute of Technology**

## RISEN UOB warmly welcomed Assistant Senior Researcher from RTRI

RISEN UOB had warmly welcomed Mr Yuki Nishinomiya from Track Technology Division, Railway Technical Research Institute, Japan. He narrated on topic "Expansion of the application range of the continuous welded rails in the slab tracks". The event was well received by UOB's students, postdoctorals and researchers. Several external industry partners had also participated. The talk was focused on the field monitoring together with robust finite element modelling for design and maintenance of continuous welded rail (CWR) for both plain tracks and turnouts (switches and crossings) over ballastless tracks.



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

- From 4 to 6 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 ([cxn649@student.bham.ac.uk](mailto:cxn649@student.bham.ac.uk)). **The deadline for registration is June 1, 2018.**
- Call for PhD scholarship: An opportunity exists for an excellent student to study for a PhD degree in the School of Civil, Mining and Environmental Engineering of the University of Wollongong under the joint supervision of A/Prof Tao Yu and A/Prof Alex Remennikov. The student will work on the project "Alternative Concrete Sleepers with High Fatigue Strength". Please email your CV with a short personal statement explaining why you are interested in the scholarship to A/Prof Tao Yu at [taoy@uow.edu.au](mailto:taoy@uow.edu.au) and A/Prof Alex Remennikov at [alexrem@uow.edu.au](mailto:alexrem@uow.edu.au)
- 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.civilcomp.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>
- RISEN Mid-term Consortium Meeting will be arranged by Web Meeting 4<sup>th</sup> April 2018 (13.00 – 16.30 GMT time). The agenda and GotoMeeting web link will be sent to each member by the end of March.