



RISEN

UNIVERSITY OF
BIRMINGHAM



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



UNIVERSITY OF
WOLLONGONG
AUSTRALIA

U. PORTO

NTNU
Norwegian University of
Science and Technology



POLITECNICO
MILANO 1863

VYSOKÉ UČENÍ
TECHNICKÉ
V BRNĚ



September 2016 Newsletter



Foreword

Welcome to the September issue of RISEN newsletter.

Since the kick off meeting in April 2016, we have now established our website <http://www.risen2rail.eu>. It is now live! We will append more information on prospective projects and also the capabilities to support the exchange from our international partners in coming weeks.

We would like to ask you all to kindly inform us about your movement, news, research projects, events, new publications and public engagements. Please kindly send it to RISEN coordinator (s.kaewunruen@bham.ac.uk). We will try our best to promote it on your behalf. Also, it would be really appreciated if you could please give us some early warning about your upcoming secondments so that we could help you diligently.

Please note that the first International Conference on Rail Transportation will be held in Chengdu, China from 10 to 12 July 2017. Please visit <http://www.icrt-swjtu.org/> for more information.

To be able to claim your research as part of RISEN, please ensure that your publications (i.e. journal or conference papers, presentations, technical reports, etc.) are archived in an **open access** platform. Such platform can be either institution-based or research-based **permanent** archives. Please also make sure that the publications acknowledge our kind sponsor 'European Commission' H2020-MSCA-RISE Project No 691135 'RISEN'. It is important to note that RISEN projects could be (and probably should be) co-funded by other agencies. We would be very pleased to hear what we could do to help you more in this area. If you have been co-funded by other agencies or companies, please let us know so we could promote them in the website.

Also, we are now working on the Annual Conference (TBA) and the 2nd ECR Training Workshop (in Spain). Some of you will be in touch shortly.

Best wishes and take care,

RISEN Coordinator

Dr Sakdirat Kaewunruen, the University of Birmingham, UK.

www.risen2rail.eu



RISEN welcome Prof Akono from UIUC



UOB RISEN Team has welcomed Professor Ange-Teresa Akono, Director of Sustainability and Nano-mechanics Laboratory from the University of Illinois at Urbana Champaign. Prof Akono has visited RISEN Team to build new collaboration on advanced sustainable materials for concrete infrastructures in railway built environment. She had also given a distinguished lecture series for academic staff and students.

Over 20 participants from Civil and Mechanical Engineering Schools joined a lunch time lecture on nano-mechanics of concrete. A new joint project on crumb rubber concrete for sustainable railway civil construction was also highlighted.

RailTEC Lab is set to welcome RISEN researchers



Dr Kaewunruen (UOB RISEN Team) has received a BRIDGE Grant to visit Sustainability and Nano-mechanics Laboratory and RailTEC Laboratory the University of Illinois at Urbana Champaign. During this period, RailTEC Lab has introduced their core faculty members and importantly their affiliated faculty members who are very keen to support RISEN researchers. More information on their expertise and research interests will be highlighted on RISEN website (RISEN Wiki) in coming weeks. RISEN Partners are welcome to directly contact them to discuss potential research topics to build joint research work under RISEN framework. Note: from my own experience at UIUC, I am extremely impressed at their willingness to help and their laboratory facilities. I am very sure you will be impressed too. My only warning is that you need to discuss with the potential joint supervisor early as well as to reserve accommodation early in order to secure a nice place (my personal choice would be on Green Street, Champaign side. I stayed in Urbana and it can be quite boring and too quiet.).

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

We have secured 2 secondments at RailTEC, UIUC for our partner UPV. UPV researchers will work on the area of embankment engineering at railway transition zones. We hope they enjoy summer in Illinois next year! Special thanks to Professor Erol Tutumluer to kindly host these secondments.

UK-Thailand Workshop on Low-Carbon Concrete was successfully hosted at the University of Birmingham, UK from 19 to 20 September 2016. We had over 30 participants from industry, government and academia.

We warmly welcome a co-funding mechanism exchange scholar from Railway Technical Research Institute, Tokyo Japan from April 2017 to April 2018. Shintaro Minoura will work at UOB on railway concrete sleeper research.

The 4th Rolling Stock Summer School was successfully held at Lecco by POLIMI in September 2016. Several of our researchers participated, and many of them have learnt and built a good research network from the summer school.