

Internship at Southwest Jiaotong University

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RISEN



Chengdu (Sichuan)

- Area (urban): 1 761 km² (Brno 230 km²)
- Population of Sichuan province: 80,5 mil
- Population of Chengdu: 11,4 mil.
- Average net salary: 20 000 CZK
- the Chengdu Panda Base



Internship at Southwest Jiaotong University



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Southwest Jiaotong University



西南交通大学
Southwest Jiaotong University

- Established 1896
- Faculty: 17 + research centres
- Academic staff: 2 500
- Students: 43 500
- Xipu a Jiuli campus



RISEN

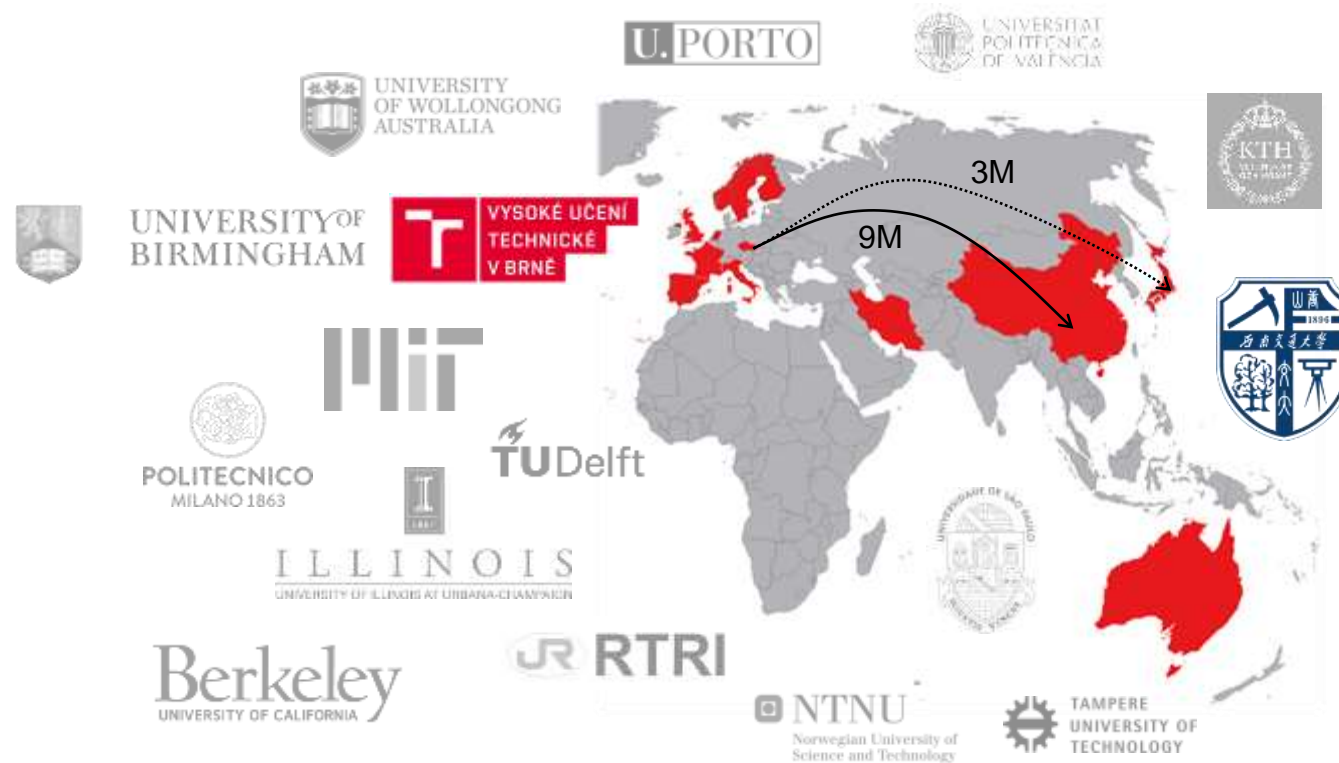


Title Rail Infrastructure Systems Engineering Network

Duration 2016/04/01 – 2020/03/31



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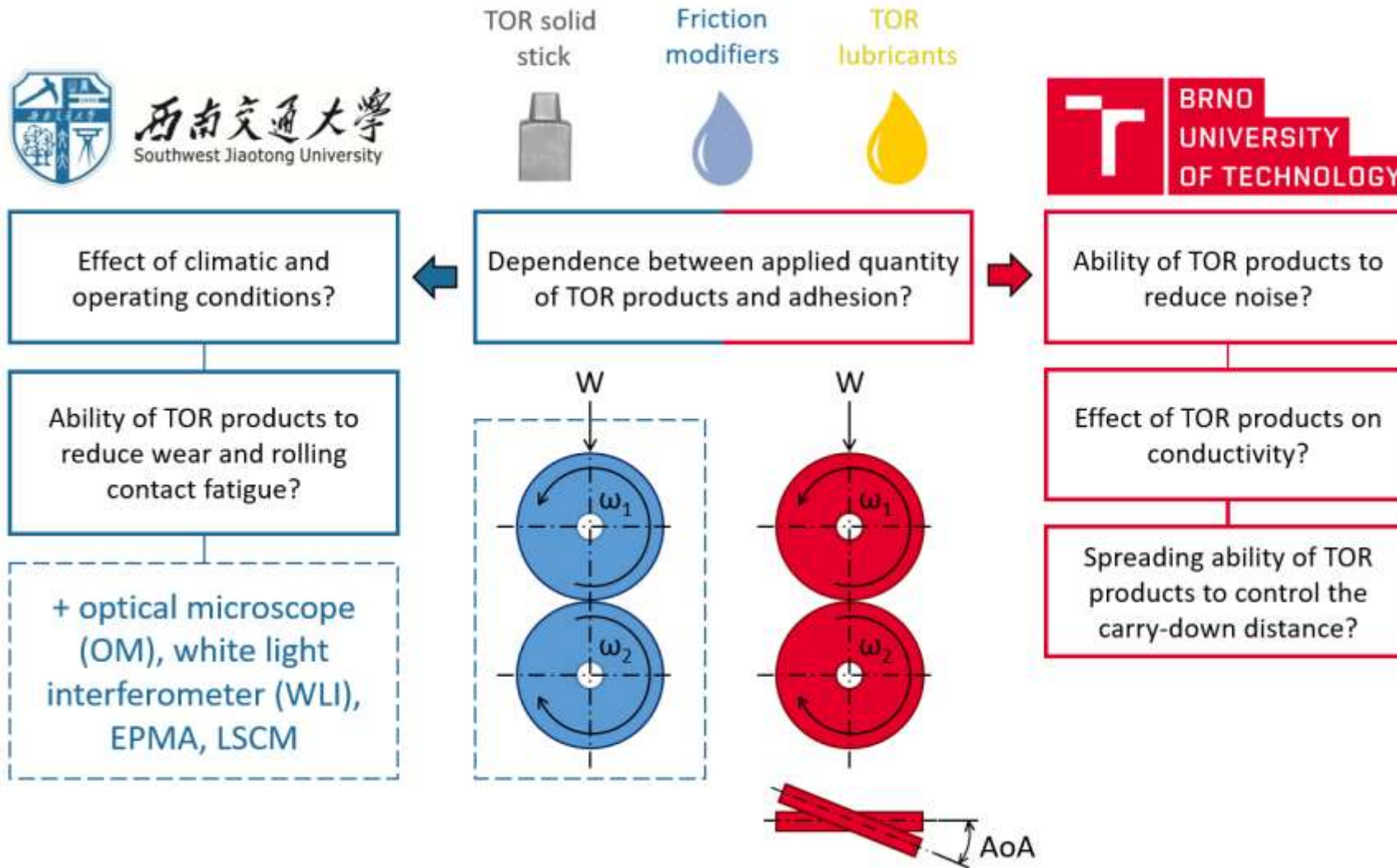


Daniel K. 4M

Radovan G. 4M

Milan O. 1M

Working activities at TRI



Working activities at TRI

Results of cooperation with SWJTU

- ❖ Study on the wheel/rail adhesion enhancement and damage evolution characteristics in the single-application of alumina particles. *Wear – under review*
- ❖ Rolling–sliding laboratory tests of the effect of environmental conditions on adhesion characteristics in the wheel-rail contact. *In progress.*
- ❖ Friction management methods..... *In progress.*

Czech-China project

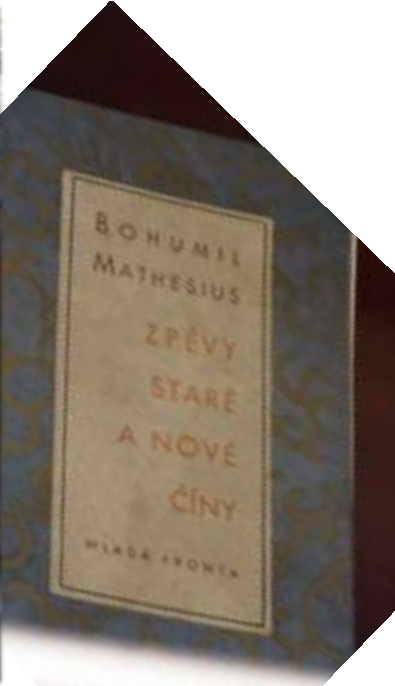
- ❖ Friction management as a solution for noise and wear mitigation at the wheel-rail interface.
- ❖ InterAction ?

Life in Chengdu



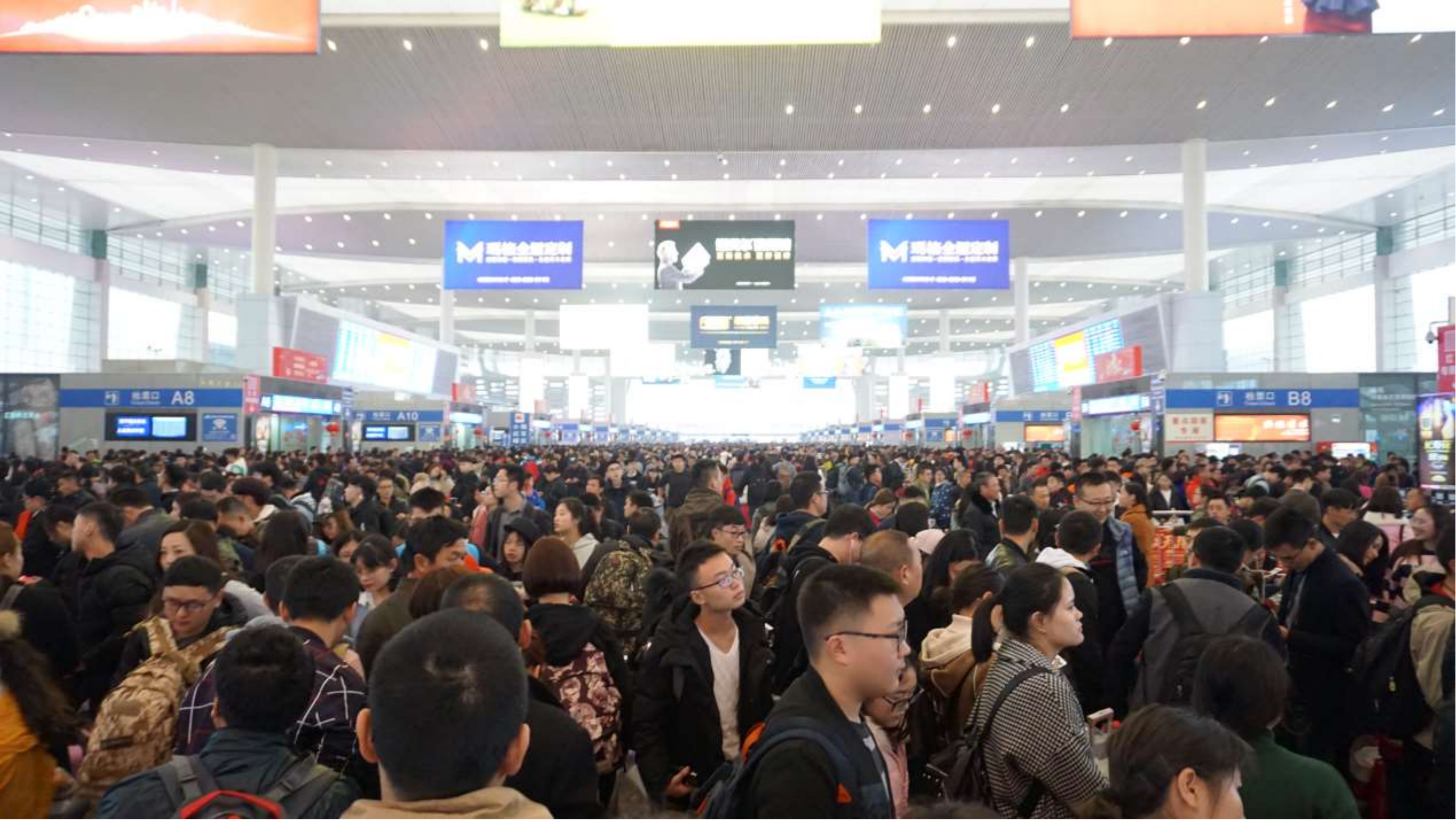
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THANK YOU FOR YOUR ATTENTION !

Daniel Kvarda, Radovan Galas



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