

STRATEGIC PARTNER



PRINCIPAL PARTNER



CONFERENCE PARTNERS



MEDIA PARTNERS



SUPPORTING MEMBER ORGANIZATIONS:



CONFERENCE DEADLINES

• Registration of participants	30 April 2019
• Submission of the final texts of conference papers	15 April 2019
• Payment of the conference registration fee	30 April 2019
• Distribution of the Conference Flyer N° 2	10 May 2019



PKP POLSKIE LINIE KOLEJOWE S.A.

Zarządca narodowej sieci linii kolejowych

EUROPEAN UNION OF ASSOCIATIONS OF RAILWAY ENGINEERS (UEEIV)

POLISH ASSOCIATION OF ENGINEERS AND TECHNICIANS OF TRANSPORTATION (SITK RP)

PKP POLSKIE LINIE KOLEJOWE S.A.

**5th International
Science-Technical Conference**

**Modern technologies in design, construction
and maintenance of railway turnouts**

Patronage:

The Ministry of Infrastructure
PKP Polskie Linie Kolejowe S.A.

Bydgoszcz, 17 May 2019

Holiday Inn Hotel
ul. Grodzka 36, 85-109 Bydgoszcz

CONFERENCE FLYER N° 2

PROGRAMME OF THE CONFERENCE

16 May 2019

- 16³⁰ – 19⁰⁰ – **Guided walking tour at the Bydgoszcz Old Town**
19⁰⁰ – **Conference opening dinner at the Holiday Inn Hotel**

17 May 2019

- 08⁰⁰ – 09⁰⁰ – **Registration**
09⁰⁰ – 09¹⁵ – **Opening of the Conference**
Bernhard Knoll – Chairman of the Programming Committee,
Vice-president of the UEEIV,
Prof. Janusz Dyduch – President of SITK RP,
Representative of PKP Polskie Linie Kolejowe S.A.

SESSION I 09¹⁵ – 11¹⁵ – **Plenary Session**

Moderator: Bernhard Knoll – Vice-president UEEIV,

- 09¹⁵ – 09³⁵ **PKP Polskie Linie Kolejowe S.A.**
09³⁵ – 09⁵⁵ **Peter Veit - TUGraz**
“Life-cycle-management of turnouts”
09⁵⁵ – 10¹⁵ **Markus Enzi - ÖBB**
“Maintenance strategies for turnouts”
10¹⁵ – 10³⁵ **Erik Stocker - voestalpine VAE GmbH**
“Improvement of life cycle costs of turnouts by using 400HT premium rails”
10³⁵ – 10⁵⁵ **Krzysztof Niemiec - Track Tec S.A.**
“Logistics of railway turnouts. Experience of Track Tec”
10⁵⁵ – 11¹⁵ **Mathieu Laurent – R&D , Krzysztof Matuszewski – Vossloh Cogifer Polska**
“Computer-aided engineering works – DYNADeV Platform – Dynamic turnout simulation”
11¹⁵ – 11³⁰ **dr inż. Andrzej Cholewa - Track Tec S.A.**
“The intelligent turnout system. Concept of development”

Discussion

SESSION II 11³⁰ – 12⁰⁰ **Coffee break**

- SESSION II** 12⁰⁰ – 13⁴⁵
Moderator: Prof. Janusz Dyduch, DSc (Eng) – President of SITK RP
12⁰⁰ – 12²⁰ **Stefan Vonbun - Getzner Werkstoffe GmbH**
“From tramway to hyperloop: elasticity for the modern railway superstructure”
12²⁰ – 12³⁵ **dr inż. Jacek Paś – Track Tec S.A.**
“Analysis of dynamic interactions between turnout and a train”
12³⁵ – 12⁵⁵ **Peter Veit - TUGraz**
“End of life analysis – annuity monitoring”
12⁵⁵ – 13⁰⁵ **Agnieszka Poteraj - Oleksiak – Geobear Sp. z o.o.**
“Fast technology of railway infrastructure repair with geopolymer injection”
13⁰⁵ – 13²⁵ **Michael Fellinger – TUGraz**
“Condition monitoring for turnouts”

- 13²⁵ – 13⁴⁵ **Krzysztof Semrau – Director of voestalpine Railway Systems POLSKA**
“Experience of implementing deliveries and initiating High Speed voestalpine turnouts at Main Railway Line (CMK)”
13⁴⁵ – 14⁰⁰ **Małgorzata Urbanek – Head of Construction and Development Department,**
Kolejowe Zakłady Nawierzchniowe „BIEŻANÓW” sp. z o.o.
“Innovations in block transportation of turnouts – from theory to comprehensive solutions”

15-minute discussion

14¹⁵ – 15⁰⁰ **Lunch**

SESSION III 15⁰⁰ – 17⁴⁰

Moderator: – Dariusz Korab – Railway Lines Department
PKP Polskie Linie Kolejowe S.A.

- 15⁰⁰ – 15²⁰ **Michał Domański – VOSSLOH Rail Services GmbH**
“Monitoring tracks and turnouts together with planning of surface maintenance with use of Rhomberg Sersa Vossloh MR.pro”
15²⁰ – 15⁴⁵ **Johannes Kreinbacher - voestalpine Signaling GmbH**
“Optimized maintenance of point machines”
15⁴⁵ – 16⁰⁵ **Roman Hauke - Plasser &Theurer**
“Smart turnout maintenance”
16⁰⁵ – 16²⁵ **Dariusz Korab – Railway Lines Department, PKP Polskie Linie Kolejowe S.A.**
“New implementations of turnouts' modern technologies on PKP Polskie Linie Kolejowe S.A. railway network - realization and new perspectives”
16²⁵ – 16⁴⁵ **Jerzy Cejmer , Krzysztof Ochociński - Railways Institute**
“Dynamic research of diamond double switches on concrete ties”
Grzegorz Stencel - Railways Institute
“Estimating unreliability of measurement in technical research of railway turnouts”
16⁴⁵ – 17⁰⁵ **Harald Ritzel- voestalpine BWG GmbH**
“Turnout grinding – an integrated part of voestalpine Track Solutions”
17⁰⁵ – 17²⁵ **Bernhard Knoll (ÖBB),**
“Experiences with turnout refinements “
17²⁵ – 17⁴⁰ **Ewelina Kwiatkowska, DSc (Eng) – Faculty of Civil Engineering,**
Department of Bridges and Railways,
Wrocław University of Science and Technology

“Measurement of noise and vibrations at railway turnouts”

- 17⁴⁰ – 17⁵⁰ **Discussion and drafting conclusions of the Conference**
17⁵⁰ **Dinner**

Departure of participants