

## PROGRAMMING COMMITTEE

1. Prof. **Klaus Rießberger**, DSc – *Chairman of the Programming Committee, President of UEEIV, Director of the Graz University of Technology*
2. Prof. **Janusz Dyduch**, DSc (Eng) – *Chairman of the Committee on Transport of the Polish Academy of Sciences, President of SITK RP, University of Technology and Humanities in Radom*
3. **Andrzej Żurkowski**, DSc (Eng) – *Director of the Railways Institute*
4. **Józefa Majerczak** – *Member of the Board of PKP Polskie Linie Kolejowe S.A.*
5. **Zbigniew Szafranski** – *Chairman of the National Railway Division SITK*
6. **Andrzej Gołaszewski**, DSc (Eng) – *Honorary President Senior SITK RP*
7. Prof. **Henryk Bałuch**, DSc (Eng) – *Railways Institute*
8. Prof. **Jerzy Kisilowski**, DSc (Eng) – *University of Technology and Humanities in Radom*
9. Prof. **Andrzej Lewiński**, DSc (Eng) – *University of Technology and Humanities in Radom*
10. **Andrzej Cholewa**, DSc (Eng) – *Member of the Board TRACK TEC S.A.*

## ORGANIZING COMMITTEE

1. **Waldemar Fabirkiewicz** – *Chairman of the Organizing Committee, Secretary General of SITK RP*
2. **Tadeusz Kaczmarek** – *PKP Polskie Linie Kolejowe S.A.*
3. **Wiesława Barańska** – *Member of the Board of the National Railway Division SITK*
4. **Bogdan Kublin** – *Member of the Board of the National Railway Division SITK*

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**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)

## ***International Science-Technical Conference***

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

Patronage:



**Warsaw, 1st July 2014**

House of Technology in Warsaw NOT, ul. Czackiego 3/5, room A

CONFERENCE FLYER N° 2

## PROGRAMME OF THE CONFERENCE

8<sup>00</sup> – 9<sup>00</sup> – Registration

9<sup>00</sup> – Opening of the Conference  
Zbigniew Szafranski, MSc (Eng) – Chairman of the National Railway Division SITK

9<sup>10</sup> – Introduction – Prof. Klaus Rießberger, DSc – President of UEEIV

### SESSION I 9<sup>20</sup> – 11<sup>00</sup>

Moderator: Prof. Janusz Dyduch, DSc (Eng) – Chairman of the Committee on Transport of the Polish Academy of Sciences, President of SITK RP

9<sup>20</sup> – Dariusz Korab, MSc (Eng) – PKP Polskie Linie Kolejowe S.A.  
*Perspectives of technical development of turnouts*

9<sup>45</sup> – Andreas Friedrich, MSc (Eng) – Voestalpine  
*Diagnosis, recorders, measurements*

10<sup>15</sup> – Heinz Ossberger, MSc (Eng) – Vice President, Engineering and R&D VAE GmbH  
*Modern turnout developments for high speed*

10<sup>45</sup> – Sponsored presentation – TRACK TEC. S.A.

11<sup>00</sup> – Jacek Paś, MSc (Eng) – Member of the Board KZN „BIEŻANÓW” Sp. z o.o.  
*Innovative and comprehensive –turnouts as key elements of railway infrastructure*

11<sup>15</sup> – 11<sup>35</sup> – Coffee break

### SESSION II 11<sup>35</sup> – 13<sup>25</sup>

Moderator: Prof. Henryk Bałuch, DSc (Eng) – Railways Institute

11<sup>35</sup> – Prof. J. Kisilowski, DSc (Eng) – University of Technology and Humanities in Radom  
*Selected dynamic problems of running through single and several turnouts*

12<sup>00</sup> – Johannes Kreinbacher, MSc (Eng) – President of voestalpine HYTRONICS GmbH  
Mariusz Buława, DSc (Eng) – President of the Board, voestalpine TENS Sp. z o.o.  
*Switching systems for HS-turnouts with regard to steering and control of switches*

12<sup>25</sup> – Mariusz Buława, DSc (Eng) – President of the Board, voestalpine TENS Sp. z o.o.  
Krzysztof Semrau, MSc (Eng) – Director, voestalpine VAE Polska Sp. z o.o.  
*Reliability of switching systems – selected issues*

12<sup>50</sup> – Prof. Andrzej Lewiński, DSc (Eng) – University of Technology and Humanities in Radom  
Andrzej Toruń, MSc (Eng) – Railways Institute  
*New solutions for steering and control of switches*

13<sup>10</sup> – Juliusz Grabczyk, DSc (Eng) – President of the Board, P.U.T. „GRAW” Sp. z o.o.  
*“Precision, laser measurements of turnouts frog.”*

13<sup>25</sup> – 14<sup>25</sup> – lunch

### SESSION III 14<sup>25</sup> – 15<sup>55</sup>

Moderator: Prof. Jerzy Kisilowski, DSc (Eng) – University of Technology and Humanities in Radom

14<sup>25</sup> – Prof. Henryk Bałuch, DSc (Eng) – Railways Institute  
*The impact of historical data on the choice of railway turnouts*

14<sup>50</sup> – Georg Neuper, MSc (Eng) – TU Graz / ÖBB  
*Maintenance strategies for turnouts*

15<sup>15</sup> – Prof. Janusz Dyduch, DSc (Eng) – Committee on Transport of the Polish Academy of Sciences, President of SITK RP, University of Technology and Humanities in Radom  
Andreas Koszuta, MSc (Eng) – President of the Board, Scheidt & Bachmann Polska Sp. z o.o.

*Steering of switches drives with counter system of occupancy control*

15<sup>40</sup> – Adam Młodawski, MSc (Eng) – PKP Polskie Linie Kolejowe S.A.  
*Technical and operational observations on performance of drive-switch sets on CMK line*

15<sup>55</sup> – 16<sup>40</sup> – Coffee break

### SESSION IV 16<sup>40</sup> – 18<sup>30</sup>

Moderator: Prof. Klaus Rießberger, DSc – President of UEEIV

16<sup>40</sup> – Dr. techn. Bernhard Knoll, MSc (Eng) – ÖBB-Infrastruktur AG  
*Experiences with turnout refinements*

17<sup>05</sup> – Grzegorz Stencel, MSc (Eng) – Railways Institute  
*Dynamic interaction on railway turnouts*

17<sup>30</sup> – Rainer Wenty, MSc (Eng) – Plasser & Theurer  
*Mechanized maintenance of turnouts*

18<sup>00</sup> – Udo Haubmann, MSc (Eng) – BWG  
*Maintenance and grinding for low LCC*

18<sup>20</sup> – Discussion

18<sup>40</sup> – Conclusions and wrap-up of the Conference – Prof. Klaus Rießberger, DSc

## CONFERENCE PARTNERS



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