

<b>Harmotrack 4th Plenary Meeting</b> Day 1 - Thursday 2nd December 2021 (CET) Room 203, UIC Headquarters / Online		
8:30-9:00	Morning Buffet	
9:00 - 9:05	Welcome Remarks	Danilo Sorrentino (SNCF Réseau)
9:05 - 9:15	Introductory Speech	Christian Chavanel (UIC)
9:15 - 9:25	Presentation of the UIC TTI Sector	David Villalmanzo Resusta (UIC)
	<b>Roundtable</b>	<b>Moderator</b>
9:25 - 10:15	Round Table 1 - Railway Maintenance and Predictive Maintenance	David Briginshaw (International Railway Journal)
		<b>Speakers</b>
		Dorjan Nova, Head of Safety Office (Railway Inspection Directorate Albania)
		Marco Gallini, Head of the Mobile Diagnostics and Maintenance Vehicles Department (RFI)
		Atsushi Furukawa, Executive Director (RTRI)
		Albert Wahba, Program Leader (National Research Council Canada)
10:15 - 10:45	Coffee Break	
10:45 - 11:35	Round Table 2 - Importance of railway digitalization and data analysis of autonomous systems	Christian Chavanel (UIC)
		Emmanuel Cox, Digital Transformation Officer (SNCF Réseau)
		Sébastien Denis, S2R Programme Manager (Shift2Rail)
		Gerald Schinagl, Innovation Manager (ÖBB)
11:35 - 12:25	Round Table 3 -Harmonization of global practices: the key to foster railway sector development	Philippa Dean (Railways Africa Magazine)
		Patrizia Gatti Gregori, Sustainable Development and CSR Top Executive Director (KEOLIS)
		Andrea Giuricin, CEO (TRA consulting)
		Eneida Elezi, Foreign Affairs Responsible Officer (Albanian Railways S.A. and Ministry of Infrastructure and Energy)
12:25 - 12:30	Closing Remarks	Mercedes Gutierrez (UIC)
12:30 - 13:30	Lunch Break	
	<b>Sub Working Group Meetings</b>	<b>Speakers</b>
13:30–13:45	Introductory Speech and Presentation of the Harmotrack Project and Its Advances	Mercedes Gutierrez (UIC) & Danilo Sorrentino (SNCF Réseau)
13:45–13:50	Non-Disclosure and Collaboration Agreement (NDA)	Charafa Hajjany (UIC)
13:50-14:10	Official Benchmark Synthesis Presentation	Danilo Sorrentino (SNCF Réseau)
14:10-14:30	SWG1-A: Study of correlation between forces and accelerations	Fatih Ünlü (SBB CFF FFS)
14:30-14:50	SWG1-B: Study of correlations between accelerations- and track geometry	Danilo Sorrentino (SNCF Réseau)
14:50-15:10	SWG1-B Alpha: Study of filters	Fulvio Cianci (RFI) & Hakkı Küçükkeskin (TCDD)
15:10-15:30	Coffee Break	
15:30-15:50	SWG1-B Beta 1: Study of most dangerous combination of track geometry defects	Ali Tajaddini (FRA), Raphael Marotta (VLI logistica) & Brian Marquis (VOLPE)
15:50-16:10	SWG1-B Beta 2: Study of correlations between accelerations and track geometry using statistical analysis	Emily Greve/David Stolnis (Amtrak) & Danilo Sorrentino (SNCF Réseau)
16:10-16:30	SWG1-B Beta 3: Detection of track geometry defects using machine learning techniques	Siyong Chen (SNCF Réseau) & Alfonso Panunzio (RATP)
16:30-16:50	SWG1-B Gamma: Study of occurrences and risk analysis, transferring thresholds from reference vehicle to different vehicle and speeds	Nicolas Lestoille (SNCF Réseau) & Maciej Pałyga (PKP PLK S.A.)
16:50-17:10	SWG2: Optimal use of axle box accelerations for the detection of short length defects	Stanislaw Banaszak (SBB CFF FFS) & Olivier Vo Van (SNCF)
17:10-17:30	SWG3: Use of innovative and cheap devices	Franck Dadié (SNCF Réseau)
17:30–17:40	UIC Harmotrack project planning and organization	Danilo Sorrentino (SNCF Réseau)
17:40-18:00	Closing speech and any other business	Danilo Sorrentino (SNCF Réseau)