

Pavillon France / France Pavilion Programme

Lundi 7 octobre / Monday, October 7

9:35-9:55	Langue : français IFSTTAR Eric DIMNET	Adaptation/résilience au changement climatique des infrastructures routières et des transports.
Le Cadre international d'adaptation au changement climatique pour les infrastructures routières a été élaboré lors du cycle 2011-2015 par l'AIPCR en tant que " projet spécial " et contribution à la COP-21 de Paris.		
10:30-10:50	Language: English Fayat- Bomag Hans KLOUPERT	Road construction process optimisation and quality control improvement of paving and compaction process through networking of participating equipment.
The digitalisation of the road construction process through software development, web applications and networking of the equipment, operators, foremen and job site managers delivers a better job site planning and a more efficient and transparent process workflow. Quality control and documentation and process analysis can be made much easier and in real time.		
11h:00-11:20	Language: English ASFA Christophe BOUTIN	Concession model : a tool for sustainable infrastructure development.
9137 km of motorway have been built in France to answer the mobility needs. the network also provides a robust motorway infrastructure connecting all people responding to the land use plan to make equal access to all citizen to a motorway in less than 30 minutes. It was possible to build a motorway even in very remote places thanks to the financing model implemented based on concession model.		
11:30-11:50	Language: English Freyssinet - Terre Armée Ivica ZIVANOVIC	Optimized Design & Build solutions for challenging road projects: case study.
Freyssinet design and built motorway viaducts carried out for optimized quantities from piers to structures themselves with base isolation according to seismic conditions area. The desing takes into account the adapted construction methods in order to meet the environment conditions and being a cost effective solution.		
14h30-14h50	Language: English Rodway Solutions Arnaud CLAUDE	La modification des enrobés aux polymères par des granules.
Avec ses additifs pour enrobés bitumineux, Roadway Solutions continue d'aider ses clients à économiser du temps, de l'argent et à faciliter leurs tâches quotidiennes dans la fabrication et le transport. Modifier ses enrobés devient facile tout en conservant la qualité et les exigences clients au niveau international. <i>With its asphalt additives, Roadway Solutions continues to help customers save time, money and facilitate day-to-day manufacturing and transportation. Modifying asphalt becomes easy while maintaining quality and customer requirements at an international level.</i>		
15:35-15:55	Language: English IFSTTAR Marc TASSONE	Transpolis Flexity: A platform for Connected and Autonomous Mobility operated both by public and private research sectors.
Unlike a test track to test technologies, TRANSPOLIS is designed to test uses, i.e. to confront the end users of new technologies with them in a universe as close as possible to reality while guaranteeing them high security. To this end, researchers, particularly in human factors, used to conducting experiments with end-users, were asked to devise experimental protocols and define their infrastructure needs in terms of recreating a near-real travel activity thanks to their experience on the use of automated driving aids (ADAS) by drivers, the mobility behaviors of specific populations.		
16h30-16h50	Language: English VINCI Autoroutes - Eurovia Yvan DROUDAINE Nicolas BARDOU	Power road
With Power Road®, Eurovia add a new capability to the road : the production of thermal energy. The energy captured from sunrays can be stocked and then reused in neighbouring buildings and infrastructures through a system of heat pumps. VINCI Autoroutes is one of the european leader in designing, building, financing and operating motorways, tunnels and bridges. The company experiments Power Road® in various situations in the south of Paris : heating and refreshing buildings, melting black ice ... This solution enables saving in a long term and is environmentally vertuous.		

Mardi 8 octobre / Tuesday, October 8

9:35-9:55	Language: English Cyclope.ai Emmanuel DAUBRICOURT	Reserved lane design and enforcement using Artificial Intelligence.
Reserved lanes for public transit and ride-sharing are widely seen as lever to reduce congestion in interurban / suburban networks. Cyclope.ai is developing solutions using artificial intelligence to support transportation planners and traffic managers in designing high efficiency reserved lanes.		
10:45-11:05	Language: English Freyssinet-Terre Armée Ivica ZIVANOVIC	Retrofitting, strengthening & upgrading road infrastructures: case study.
Road accesses to the cities through existing bridges where strengthening design and works were done by Freyssinet according to today's standards (traffic load and seismic) with widening to create additional and specific traffic lanes without traffic closure during major parts of retrofitting works.		
11:30-11:50	Language: English Colas Middle East David GANGELL	Colas in the Middle East.
Colas Middle East presentation.		
12:10-12:30	Langue : français Routes de France-FIEC-CICA Pierre CALVIN Simon GIANORDOLI Amélie SCHÄFER	L'impact des nouvelles mobilités sur l'infrastructure routière.
Présentation de l'étude de benchmark internationale conduite conjointement par Routes de France, l'European Union Road Federation (ERF), la Fédération Nationale des Travaux Publics (FNTP) et la FIEC. Des premiers résultats provisoires seront présentés quant à l'impact des nouvelles mobilités sur la place et le rôle de l'infrastructure routière dans les années à venir. Notre objectif est d'être capable identifier les tendances/avancées à différentes échelles.		

Mardi 8 octobre / Tuesday, October 8

14:30-14:50 Language: English	Egis Christophe LAINE	The BIM approach to innovate management of projects
Egis enhance innovative solutions of project management thanks to the BIM and the new information technologies. Egis développe des solutions innovantes de management des projets grâce au BIM et aux nouvelles technologies de l'information.		
14:50-15:10 Language: English	VINCI Autoroutes-Sixense Nicolas BARDOU Stéphane AUBERT	The BIM approach to innovative management of projects.
VINCI Autoroutes is developing a BIM approach in order to optimize the way the infrastructure is operated. This project is co-developed with Sixense.		
15:35-15:55 Language: English	VINCI Autoroutes Amélia RUNG	Ulys covoiturage.
Ulys Carpool is a new app developed and proposed by VINCI Autoroutes. This application will help to connect subscribers making identical journeys to carpool together. To go along with this app, VINCI Autoroutes offers free parking space to carpoolers to encourage commuters to carpool. This is part of VINCI Autoroutes strategy to reduce greenhouse gas emissions.		
16:30-16:50 Langue : français	Cerema Sébastien WASNER	Une nouvelle approche pour la gestion patrimoniale des Infrastructures.
L'optimisation des moyens consacrés à l'entretien des infrastructures constitue l'un des enjeux auquel les gestionnaires de réseaux routiers doivent répondre. Au contact des maîtres d'ouvrages routiers, le Cerema a ainsi développé une approche innovante : la gestion patrimoine intégrée. Cette approche vise à considérer l'infrastructure dans son ensemble en prenant en compte l'adaptation des réseaux aux enjeux de demain.		

Mercredi 9 octobre / Wednesday, October 9

9:35-9:55 Language: French-English	APRR Ghislaine BAILLEMONT	Voies réservées pour une mobilité vertueuse. <i>Managed lanes for an enhanced mobility.</i>
Présentation de l'étude sur la mise en place d'une voie réservée au covoiturage et de l'expérimentation sur le comptage du nombre d'occupants dans les véhicules.		
10:30-10:50 Language: English-French	VINCI Autoroutes-Eurovia-Fayat Ivan DROUADAINE Nicolas BARDOU Benoit HAMON Marzio FERRINI	La route 100 % recyclée. <i>The road 100% recycled.</i>
Eurovia, en collaboration avec VINCI Autoroutes et Marini-Ermont (groupe Fayat) a réalisé en octobre 2018 la première « route 100% recyclée » au monde. <i>The Environmental issues are the driver of the today technological development on infrastructure and the road construction equipment. FAYAT Group is proud to offer the two unique solutions for producing WARM-HOT MIX ASPHALT with a percentage of RAP up to 100%, all this with a very low level of emissions and low energy consumption: the TRX, a continuous plant from MARINI-ERMONT and the batch plant MASTER TOWER from MARINI.</i>		
11:00-11:20 Language: English	IFSTTAR Mohamed Ghazel	The MORIPAN project
The MORIPAN project that involved IFSTTAR, Railenium FCS and SNCF-Réseau aims to develop risk models for LXs in France. The results obtained through MORIPAN pave the way to elucidate the main impacting factors on LX safety and determine efficient solutions towards improving safety at LXs		
11:30-11h50 Language: English	6D Solutions Daniel DOLIGEZ	A lot of parameters to design asphalt structures with a grid as a reinforcement.
Reinforced asphalt structures have been monitored for more than 20 years. A coated glass fiber grid proved it can decrease a lot the road maintenance costs. Scientific studies emphasis on the main parameters to be efficient, such as to keep a good behavior against damage during installation, against the yarn fatigue, to keep a good bond quality.		
14:30-14:50 Language: English	Colas Pascal TEBIBEL	Mobility: the 4S vision.
Colas innovations are part of the 4S approach (Sustainable, Smart, Safe and Shared) as a response to the main challenges of tomorrow's mobility		
15:35-15:55 Language: English	Cyclope.ai Emmanuel DAUBRICOURT	Artificial Intelligence solutions for smarter, safer road tunnels.
Cyclope.ai has developed an AI-powered solution to assist road tunnel operators with high accuracy incident alerts, adaptive maintenance features and infrastructure-to-vehicle features. This solution is already deployed in the Toulon tunnel, part of VINCI Autoroutes network.		
16:30-16:50 Language: English	VINCI Autoroutes Amélia RUNG	New Deal.
New Deal is a project submitted to an international call for tender organised by the Forum Metropolitain du Grand Paris to build a sustainable future to the expressways of the Paris area. It is a question of deploying tomorrow a strategy that deals with congestions from the limits of the megapolis to central Paris. Offering a new public transit network, New Deal aims at reducing traffic by 50%, making it possible to recompose the relationship between expressways and their urban landscape.		

Jeudi 10 octobre / Thursday, October 10

10:30-10:50 Language: English-French	Fayat-Secmair Rodolphe PETIT	La maintenance intelligente de la route <i>SMART road maintenance.</i>
Dans un monde où l'économie des ressources fossiles pourrait devenir une priorité, la digitalisation de la route fait entrer la Maintenance Routière dans sa phase 3.0 : plus facile, plus précise, et toujours économe en énergie et matériaux. <i>In a world where the fossil fuel economy could become a priority, the digitalization of the road brings Road Maintenance into its 3rd era : easier, more accurate, and always energy-efficient and materials efficient.</i>		