5th UIC World Congress on Rail Training 2019
Unite, Inspire, Connect
Rabat, Morocco
09-11 October 2019
Following the success of the previous editions of the World Congress on Railway Training (WCRT) held in Madrid in 2011, St Pölten in 2013, Lisbon in 2015, and Berlin in 2017 (Recording per edition an average of 200 participants from all the continents thus representing between 30 and 40 countries), the International Union of Railways (UIC) and its partners the Moroccan National Office of Railways and the Railway Training Institute organize the fifth edition of the UIC World Congress on Railway Training to be held from 09 to 11 October 2019 in Morocco in Mohammedia School of Engineers (EMI), Rabat.

The 2019 World Congress on Railway Training is organized under the initiative of the UIC Talent and Expertise Development Platform that provides the guidelines for innovative talent and training programs and gather its know-how from Regional Railway Training Centers network.

This congress is part of the UIC strategy for 2030, in particular its focus on skills development and Research & Development.
UIC, the worldwide railway association

Providing railway expertise at worldwide level

Future-proofing the railways

Facilitating technical cooperation

UIC is first and foremost a repository of railway expertise and a forum for sharing experience and seeking solutions whose aim is to bring about greater consistency between railways worldwide. In particular, it is at UIC that current and future operating technical solutions are first developed. Taking the form of UIC-coordinated projects, this cooperation boosts railways’ efficiency and attractiveness the world over. It also facilitates the development of international rail links, which benefit all rail users.

Speaking for the Railways

The Railways have appointed UIC as their global spokesperson. This role is specifically recognised by the United Nations, where UIC represents the rail sector. UIC is today the go-to contact partner for international bodies and organisations of all types, whether, political, economic or financial, when they want to talk to the Railways. UIC also has long-standing cooperation with a number of other bodies, and has concluded agreements to this effect.

www.uic.org
MOROCCAN NATIONAL RAILWAYS OFFICE (ONCF)

ONCF, AN ONGOING DEVELOPMENT TO REINVENT THE MOBILITY OF TOMORROW

The Moroccan National Railways Office “ONCF” is a Public Institution with an industrial and commercial character. It manages and operates the Moroccan railway network with a length of 2295 km (more than 1400 km electrified and 900 km double track or more) including the first arabo-high-speed line commissioned in 2018 serving Tangier to Casablanca by ‘Al Boraq’ train, which runs at a speed of 320 km over a length of 200 km.

A policy of major projects installed by His Majesty The King Mohammed VI, May God Assist Him, which has mobilized an envelope of 70 billion Dirhams between 2000 and 2018 in order to modernization and development of rail for sustainable mobility.

2018, Achievement’s :

The commissioning of several projects starting with the high-speed train "Al Boraq", the tripling of the line between Casablanca and Kenitra (+130 km), the doubling of the line between Casablanca to Marrakesh.
And the inaugural of several new generation stations such as Tangier, Kenitra, Rabat- Agdal, Casa-Voyageurs, Benguerir and Oujda. Adding to that the completion of the safety program for the railway crossing, new commercial offer ...

All the indicators show that the rail industry continues to position itself as a motor for sustainable economic and social development of our country and the backbone of a viable sustainable transportation system.

The recorded performances confirm the strategic choices of our country in the development of the railway all of which is possible under the enlightened conduct the Prospective Directions of His Majesty The King Mohammed VI, May God Assist Him.

The railway activity in 2018
10 Key indicators.

- 5.2 investment (106)
- 35 million passengers
- 27 million tons transported
- 3.1 business figures (109)
- 2 added value (109)

- 2.8% direct contribution on GDB
- 90% purchases from local companies
- 2.4 of greenhouse gas emissions from the transport sector
- 467 new recruits
- 6% of salary total reserved for training
In a perfect harmony with the government's orientation that encourages the promotion and the openness of our country at an international and regional level, the railway cooperation strategy is a part of a clear vision: to confirm the positioning as a reference model for rail transport in the Arab-African world and strengthen the place of the ONCF in the world scene.

As a result, efforts were particularly focused in 2018 on the following three areas:

- Strengthen the presence on the international railway scene;
- Maintain and develop exchanges and sustain partnerships with developed networks;
- Share the ONCF's expertise, particularly with African countries.

The objective is to boost and strengthen the activity of international cooperation in the way of developing the rail system and building an international outreach of our country.

The ONCF has presided since 2010 the International Union of Railways (UIC) - Africa Region, a cooperation in the African Continent that allowed:

- The organization of 14 conferences/seminars on current and targeted topics, involving 170 experts and the participation of about 2000 African leaders and decision-makers;
- The realization of 12 training courses, focused on safety and railway safety as well as on track maintenance, for the benefit of nearly 250 participants supervised by 120 ONCF experts;
- The organization of more than thirty information visits and sharing of best practices for the benefit of the various African delegations;
- Carrying out two prospective studies ...
RAILWAY TRAINING INSTITUTE (IFF)

Born of the will of Morocco for the commissioning of the first High Speed Link and the common conviction of ONCF and SNCF that training is a guarantee of success of this formidable project, the Railway Training Institute (IFF), based in Rabat, aims to be a reference player in railway trainings covering all skills of the operation of railways by conventional or high-speed rail, as well as peri-urban and urban transport.

The training courses offered by IFF aims at excellence and are intended for employees of all actors in the world of rail or guided transport.

Some key figures:
- 30,000 training days / year
- 4500 trainees / year
- 530 sessions
- 144 training modules provided for all railway trades.
- 100 Trainers

Main customers: ONCF, SNCF, SETRAG, COMILOG, MASTERIS, Corsican Railways, SIANA, SUPRATOURS, SMTR-CARRE.

Pedagogical equipment: Last generation Multifunction driving simulators and educational models.
The Mohammadia School of Engineers (EMI) is a large engineering school located in Rabat, Morocco. It is affiliated to Mohammed V University of Rabat and is therefore part of the Ministry of Higher Education, Scientific Research and Executive Training. The first class of laureates graduated in 1964 and had 34 engineers. Since then, the EMI has trained until 2019 more than 10 555 laureates in different fields of Engineering.

EMI is a school of general engineers that proposes 9 sectors and 20 different options. An open education on the socio-economic world which fully meets the requirements. Also, an open Training on the international community through the large number of conventions linking EMI to more than 50 institutions in France, Belgium, Canada, Spain and Italy. EMI is also very clearly distinguished by relevant applied research of a very high level, innovative and enriched by the school’s numerous cooperation at national and international level.

A research strongly anchored in the industrial reality of our country, but also concerned to comply with international quality standards.
SNCF GROUP

A WORLD LEADER IN MOBILITY & LOGISTICS

A MAJOR INVESTMENT IN TRAINING & DEVELOPMENT TO ACHIEVE EXCELLENCE
FERROVIE DELLO STATO ITALIANE
A MAJOR GROUP IN THE MOBILITY INDUSTRY

TECHNOLOGICAL EXCELLENCE AT THE SERVICE OF PEOPLE, FOR AN INCREASINGLY INTEGRATED TRANSPORT SYSTEM

WWW.FSITALIANE.IT
CONTEXT

The 2019 World Congress on Railway Training is organized under the initiative of the Development Platform UIC Expertise that gather its know-how from Regional Railway Training Centers network.

It is a biannual event that brings together since 2011 some 200 participants of rail networks around the world.

The UIC has accepted the candidacy of Morocco, supported by ONCF in partnership with IFF and EMI, considering its development, its place at the level of Africa and the level reached by its training system particularly through its IFF institute.

Already present on the side of the participants in 2015 in Lisbon and 2017 in Berlin, ONCF and IFF will be in 2019 on the side of the other participating networks.

OBJECTIVES

The main objective is to promote Workforce development by the sharing of best practices in railway training across the railway industry.

- The organization of this Congress will allow the various professionals of the sector to share best practices in education, training and human resource development;
- to become aware of new technologies and innovative systems as well as methods to promote effective teaching;
- A modal networking which will also lead to the expansion and strengthening of networking at the international level among professionals and training and development organizations.

TARGET AUDIENCE

- Directors, managers and experts in the field of training
- Professionals in human resources and human performance at all levels of the organization.
- Railway education and training institutions

CONGRESS THEMES

1. TRANSFERT OF KNOWLEDGE
2. RESEARCH AND DEVELOPMENT
3. INTERNATIONALISATION
4. MANAGEMENT DEVELOPMENT CYCLE
5. NON-TECHNICAL SKILLS
6. INNOVATION & CHALLENGING MINDSETS
7. DIGITALISATION
8. SKILLS DEVELOPMENT
9. TRAINING MANAGEMENT CYCLE
10. HOW TO ATTRACT THE NEW GENERATION
11. SAFETY AND SECURITY
Do you want to promote your talented young colleagues?
The special program "Railway Talents" organized in the framework of WCRT 2019 will be accessible to them.

- Recognize your talents
- Give them the opportunity to join an international network
- Strengthen their global skills
- Give them the floor to better understand the needs of young talent
- Let them develop the internalisation program for young talents

It's good for their development and that of society!

The program will consist of dedicated sessions with a professional coach for a small group of talents (3 maximum for each company) who will have the opportunity to present the results of their work on the last day in plenary session of the congress.

The proposed talents must be registered by their company at: www.wcrt2019.org

Talent website: www.railtalent.org
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<td>Welcome and registration</td>
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<td>09:00 - 10:20 am</td>
<td>Official Opening Welcome speeches Keynote speaker, Partners / keywords</td>
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<td>10:20 - 10:40 am</td>
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<td>10:40 - 11:00 am</td>
<td>Presentation TEDP/projects</td>
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<td>11:00 am - 01:00 pm</td>
<td>INNOVATION &amp; CHALLENGING MINDSETS</td>
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<td><strong>Wednesday 9 October 2019</strong></td>
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<td>RESEARCH &amp; DEVELOPMENT</td>
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<td>03:30 - 04:00 pm</td>
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<td>04:00 - 05:00 pm</td>
<td>INTERNATIONAL COOPERATION</td>
<td>TrainRail</td>
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<td>09:00 - 10:30 am</td>
<td>TRANSFER OF KNOWLEDGE</td>
<td>TRAINING MANAGEMENT CYCLE</td>
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<td>11:00 - 12:00 pm</td>
<td>SKILLS DEVELOPMENT</td>
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<tr>
<td>12:00 - 01:00 pm</td>
<td>MANAGEMENT DEVELOPMENT CYCLE</td>
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<td>LUNCH TIME</td>
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<td>01:00 - 06:00 pm</td>
<td>Group 1: Technical Visit: High Speed Train Maintenance Center (Tangier) Lunch aboard the high speed train Al Boraq</td>
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<td>02:00 - 03:30 pm</td>
<td>DIGITALISATION</td>
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<td>03:30 - 04:00 pm</td>
<td>Coffee Break</td>
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<tr>
<td>04:00 - 06:00 pm</td>
<td>Technical visits in Rabat Group 2: Rabat Agdal Railway station &amp; Centralized Network Control (CCR) Group 3: Rabat Tramway Group 4: IFF with access to the driving simulator &amp; SIGMARAIL Project's VR room</td>
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<tr>
<td>08:30 pm</td>
<td>GALA DINNER</td>
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<td><strong>Friday 11 October 2019</strong></td>
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<tr>
<td>09:00 -10:30 am</td>
<td>SAFETY &amp; SECURITY</td>
<td>HOW TO ATTRACT THE NEW GENERATION</td>
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<td>10:30 -10:45 am</td>
<td>Coffee Break</td>
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<td>10:45 -11:15 am</td>
<td>TEDP Talent Program (Feedback)</td>
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<td>11:15-12:00 am</td>
<td>Synthesis &amp; Closing</td>
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</table>
Day 1: Tuesday 8/10
06:00 – 08:00 pm: Pre-registration & Welcoming cocktail

Day 1: Wednesday 9/10
08:00: Welcome and registration
09:00-10:20 am
- Official opening
- Welcome speeches (ONCF – UIC – IFF - EMI)
- Keynote speaker
- Partners / keywords (ONCF – FS – SNCF)
10:20-10:40 am: Coffee Break
10:40-11:00 am: Presentation TEDP/projects

INNOVATION & CHALLENGING MINDSETS

11:00 am - 01:00 pm:
- 11:00 am: UIIC - Future of Work & Training in the Railway Industry - Elio MINERVA – FS
- 11:30 am: Innovation Lab - Mirella Battista – FS
- 11:50 am: Gamification of Training Devices: The game to help learning complex notions - Noémie ROUAULT – SNCF
- 12:10 pm: Ideation: Modeling and Upscaling Railway Leadership (A case study in Innovative Training Initiative) - Sudhendu Jyoti SINHA - MINISTRY OF RAILWAYS, INDIA
- 12:30 pm: Power up! the mental gym - Annalena BOTTMANN – DB

01:00 – 02:00 pm: LUNCH TIME

RESEARCH & DEVELOPMENT

02:00 - 03:30 pm
- 02:00 pm: How SNCF develops safety competences. The general perception of experts and the case of signallers - Audrey MARQUIET - SNCF
- 02:20 pm: Learning Lab of “University of Service” (UOS) SNCF: Open and flexible spaces supporting new learning methods - Alexandre DUBOIS - SNCF
- 02:40 pm: Learn from mistakes - Jörg DEMITZ - SCHEIDT & BACHMANN
- 03:00 pm: Innovative learning formats - Heiko SCHOLZ - DB

NON-TECHNICAL SKILLS

02:00 – 03:45 pm
- 02:00 pm: Improving training for train dispatchers in The Netherlands - Martine DE JONG - VAN OPIJNEN- PRORAIL
- 02:20 pm: The Role of Enhanced Information Train Display Designs in Training and Human Performance: A critical evaluation - Anjum NAWEED - Central Queensland University
- 02:40 pm: Human factor prospective training - Angel Crescencio Martinez ORTIZ - ADIF
- 03:00 pm: Staying in tune: Non-technical skills that promote teamwork in Network Controller and Rail Driver interactivity - Philippa MURPHY – Rail Safety and Standards Board (RSBB)
Day 1: Wednesday 9/10 (Continuation)

NON-TECHNICAL SKILLS
(Continuation)


03:30 - 04:00 pm: Coffee Break

INTERNATIONAL COOPERATION
04:00 - 05:30 pm

- 04:00 pm: Collaboration between two railway companies for the development of a positive safety culture - Stella DUIVENCI-LANGA - SNCF & Mohamed FATHI - ONCF
- 04:20 pm: Morocco High Speed Line: international co-operation between SNCF and ONCF for tailor-made training of customer service staff - Thierry BECAMEL - SNCF
- 04:40 pm: Compilation of a Railway Specific Vocational Educational for young Emirats - Franz REISINGER - DB
- 05:00 pm: SIGMA RAIL, a Euro-Mediterranean project on railway infrastructure maintenance training - Mourad ABED - Univ. Polytechnique Hauts-de-France.

TRAIN RAIL
04:00 - 05:30 pm: (Auditorium 2)
## WCRT 2019 Program

### Day 2: Thursday 10/10

#### Transfer of Knowledge

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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| 09:00-10:45am| - 09:00 am: Preparation of human resources for the operation of the Moroccan high-speed line - Said NASSIRI - ONCF & Christophe MARTIN - IFF  
- 09:20 am: Training as a device for integrating young recruits: state of play and managerial perspectives / case of the pta program at the ONCF - Mounir TACHNOLIT - ONCF  
- 09:40 am: GEQUI: A digital tool for the management of skills. Adapt skills to new workloads - Alain BECAAS - SNCF  
- 10:00 am: Managing knowledge transfer - Eva KRATZMEIER - DB  
- 10:20 am: Learning transfer evaluation practices - Miguel FARO VIANA - Infraestruturas de Portugal |

10:30-11:00 am: Coffee Break

#### Training Management Cycle

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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| 09:00-10:30am| - 09:00 am: Identify training needs to improve service - Olivier KOLUMFEG - CAMRAIL  
- 09:20 am: Training schemes for low, medium and high skill job opportunities - Virginia INFANTE - Instituto Superior Tecnico  
- 09:40 am: Practice and Thoughts on the International Development of Technical Education and Training in Railway Colleges and Universities - Yue YIXIANG - Beijing Jiaotong University  
- 10:00 am: Training evaluation: Confronting trainers and trainees causal conditions for success and failure - Gonçalo Bruno VENCESLAU BERNARDINO - Infraestruturas de Portugal |

11:00 am - 12:00 pm

#### Skills Development

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<th>Time</th>
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| 11:00 am     | - 11:00 am: Successful digital transformation requires skilled employees - Sandra HUTTERLI - SBB  
- 11:20 am: Trainers 4.0: Professionalization of company trainers facing disruptions in the training ecosystem - Hubert CHERENE - SNCF  
- 11:40 am: Training for a new profession: The driver referent assistant - Thierry ROBICHERON - SNCF |

#### Digitalisation

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<tr>
<th>Time</th>
<th>Session</th>
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| 11:00 am     | - 11:00 am: The enrichment of the training experience thanks to digital - Delphine COMOLET - SNCF  
- 11:20 am: Digitalization of Railway Training & Learning solutions - Ling XIN - Southwest Jiaotong University |

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**Translation French<>English (Auditorium 1 only)**

**Auditorium 1**

**Auditorium 2**
Day 2: Thursday 10/10 (Continuation)

MANAGEMENT DEVELOPMENT CYCLE

12:00 - 01:00 pm

- 12:00 pm: Development of management personnel reserve as part of the system of continuous training of personnel in JSC - Sergey SARATOV - JSC “Russian Railways”
- 12:20 pm: Talent program Personal Leadership - Ivona SNIJERS / Hans RAAMSDONK - PRORAIL

01:00 - 02:00 pm: LUNCH TIME

01:00 pm: Group 1/ Departure to Tangier aboard the high speed train “Al Boraq”
Technical Visit: High Speed Train Maintenance Center

DIGITALISATION

02:00 - 03:30 pm

- 02:00 pm: Program to become a driver’s manager - Caroline THERET - SNCF
- 02:20 pm: Learning Management Systems as a training management tool for railway operators - Chantal GAGNON BERNTZEN - NSB AS
- 02:40 pm: Best practices on railway technical training: what’s next? Immersive learning - Francisco Javier SANCHEZ BOLUIMAR, Rafael TORTOSA BELDA - ADIF
- 03:00 pm: MISTRAL EVOLUTION Simulateur (SMILE) for traffic operators’ training - Claire WINE - SNCF

03:30- 04:00 pm: Coffee Break

04:00 - 06:00 pm: Groups 2, 3 and 4 / Rabat
Technical Visits:
  - Group 2: Rabat Agdal Railway station & Centralized Network Control (CCR)
  - Group 3: Rabat Tramway
  - Group 4: IFF with access to the driving simulator & SIGMARAIL Project’s VR room

08:30 pm: Gala Dinner

Auditorium 1
Translation French<=>English (Auditorium 1 only)
Auditorium 2
Day 3: Friday 11/10

SAFETY & SECURITY
09:00 - 10:30 am:
- 09:00 am: How to develop safety leadership skills: A new training targeting rail managers at all levels - Grégoire ROLINA - ERA
- 09:20 am: Safety First & all the time! How to stimulate sustainable safety behavior through a customized security training program? - Lucien De KEERSMAEKER - InfraBel
- 09:40 am: How to train the managers for a safety risk culture - Christophe PROSPER - SNCF
- 10:00 am: Training initiatives to develop the skills for intervention and prevention in the area of CBRNe terrorism - Grigore HAVARNEANU - UIIC

10:15 - 10:45 am: Coffee Break

HOW TO ATTRACT THE NEW GENERATION
09:00-10:30 am:
- 09:00 am: Inspiring and Hiring the next generation - Frank MICHELBERGER - University of Applied Sciences St. Pölten
- 09:20 am: New recruiting channels – attracting millennials with innovative digital formats (DB engineering) - Doreen CHRISTMANN - DB
- 09:40 am: Cross Company Mentoring Program - Elisabetta MORABITO - FS
- 10:00 am: Job Profile Train driver - Frank MICHELBERGER - University of Applied Sciences St. Pölten

10:45 – 11:15 am: TEDP Talent Program (Feedback)
11:30 – 12:00 pm: Synthesis & Closing
SPEAKERS

CHANTAL G. BERNTZEN
NSB NORWAY

FH-PROF. DI(FH) FRANK MICHELBERGER
ST. POELTEN UNIVERSITY OF APPLIED SCIENCES AUSTRIA

FRANZ REISINGER
DEUTSCHE BAHN GERMANY

ANNALENA BOTTMANN
DEUTSCHE BAHN GERMANY

ALAIN BECAAS
SNCF FRANCE

ANJUM NAWEED
CENTRAL QUEENSLAND UNIVERSITY AUSTRALIA

MOHAMED FATHI
ONCF MOROCCO

STELLA DUVENCI-LANGA
SNCF FRANCE

THIERRY BÉCAM
UNIVERSITÉ DU SERVICE SNCF FRANCE

CHRISTOPHE PROSPER
SNCF FRANCE

GONÇALO VENCESLAU BERNARDINO
INFRAESTRUCTURAS DE PORTUGAL PORTUGAL

MOUNIR TACHNOUT
ONCF MOROCCO

ANDREW RUSSELL
RAIL TRAINING INTERNATIONAL Ltd UNITED KINGDOM

CAROLINE THERET
SNCF FRANCE

DR. SANDRA HUTTERLI
SBB SWITZERLAND

HUBERT CHERENE
SNCF FRANCE
SPEAKERS

VIRÍGÍNIA ISABEL
INSTITUTO SUPERIOR TÉCNICO,
UNIVERSIDADE DE LISBOA,
PORTUGAL

HANS RAAMSDONK
PRORAIL
NETHERLANDS

XIN LING
SOUTHWEST JIAOTONG
UNIVERSITY
CHINA

CHRISTOPHE MARTIN
IFF
MOROCCO

FRANCISCO JAVIER
ADIF
SPAIN

MOUARABABED
UNIV.POLYTECHNIQUE
HAUTS-DE-FRANCE,
VALENCIENNES
FRANCE

GRIGORE
HAVARNEANU
UIC
FRANCE

GRÉGORY ROINA
EUROPEAN UNION
AGENCY FOR RAILWAYS
FRANCE

DELPHINE COMOLOT
SNCF
FRANCE

MIGUEL FARO VIANA
INFRAESTRUCTURAS
DE PORTUGAL
PORTUGAL

DR. YUE YIXIANG
BEIJING JIAOTONG
UNIVERSITY
CHINA

ELISABETTA MORABITO
FERROVIE DELLO
STATO ITALIANE
GROUP
ITALY

JÖRG DEMITZ
SCHEIDT &
BACHMANN
GERMANY

DR. PHILIPPA MURPHY
RAIL SAFETY AND
STANDARDS
BOARD (RSBB)
UNITED KINGDOM

EVA KRATZMEIER
DEUTSCHE BAHN
GERMANY

OLIVIER NOËL
KOUMFIEB
TCHOUIMBA
CAMRAIL
CAMEROON
The Moroccan Society of Maintenance of High Speed Trains (SIANA), was created as part of the first high-speed link in Morocco between Tangier and Casablanca, in the form of a joint venture ONCF / SNCF. Its objective is to insure in a durable way a trusted and regular exploitation of High speed trains. ONCF’s and SNCF’s common goal is to enable ONCF to progressively upgrade its expertise in the field of maintenance of high-speed trains.
THE RABAT AGDAL RAILWAY STATION
THURSDAY 10th OCTOBER 2019 - 4:00 TO 06:00 PM

The future commercial center of the new Rabat-Agdal station was created in the heart of the capital, in the Agdal district. This center is part of a large urban project including hotels, offices, a business center, but also residential complexes and mixed-use components (tower, multiplex, etc.).

The Rabat Agdal station, inaugurated in November 2018, has a capacity of 30 Million Travelers a year.
The CCR is an operational entity whose main role is to direct and monitor the movement of trains to ensure safety and regularity and to have safer and better controlled traffic.

Its missions are:

- Supervision and management of the traffic throughout the network.
- Centralize supervision, command and control of facilities
- Optimize the regularity through a better reactivity of the management of the disturbed situations.
- Remote control of the technical installations of the stations between Tangier and Casablanca.
- PCL local control station remote control.
The Maintenance Center includes the administrative services of the operating company and the maintenance and operating activities necessary for the first lines of the Rabat tramway.

Its mission is to ensure the maintenance and storage operations of the rolling stock fleet and fixed installations.

Each function of the Maintenance Center is set up in such a way as to simplify and clarify traffic flows (road, rail and pedestrian) as well as staff flows.

Storage and maintenance of rolling stock ream respond to a principle of circulation dictated both by the circuits imposed by the geometry of the site and by the curved inscription of these materials.

The various work areas, storage, maintenance workshops and operating rooms are grouped together in the best possible way to optimize the flow of staff.
ONCF and SNCF, committed to a sustainable partnership, have successfully put into operation the first high-speed line on the African continent. From this partnership was born IFF, the Railway Training Institute, which had the privilege of being entrusted with high speed operators training.

Its missions are:

- Train ONCF and SNCF supervisors in all railway trades
- Prepare and maintain the skills for the High Speed Line operation
- Open internationally by offering training courses to operators from the African continent

IFF is provided with a latest-generation driving simulator as well as educational models.
In the framework of the SIGMA RAIL project, EMI has equipped a latest-generation active education room, comprising several pieces of equipment, the aim of which is:

- Allow students to work either individually or in groups;
- Facilitate access to information, digital services and tools and communication for all participants in the course.
The congress will be held in English and French.

**LOCATION AND ACCESSIBILITY**

- Address: Avenue Ibn Sina - Rabat.
- Tel: (+ 212) 537 68 00 33
- E-mail: contact@iff-ma.com
- Geolocation GPS: 34 ° 00'00.59 " N06 ° 51'05.57" W
- IFF is 5 minutes walk from Rabat-Agdal railway station.
- The area is well served by public transport: Tramway line (ticket price: 0.5euros), Avenue de France station, bus and taxis (average price: 1.5 - 2 euros).
- It is, by car, 20 minutes from Rabat - Salé airport and 1h15 from Casablanca Mohamed V airport.
PRACTICAL INFORMATIONS

- Organizers will ensure the transfer of delegations by comfortable shuttle, taxis can also be reserved.
- On campus, catering and coffee breaks will be arranged on the various meeting points of the site.

WELCOME COCKTAIL

A welcome cocktail will be organized on October 8 at 6 pm at IFF.

GALA DINNER

A Gala dinner with warm accents of Moroccan friendliness will be organized in honor of the participants of the congress on October 10 at 8:30 pm, in a Riad in Rabat.
On the Atlantic coast, capital of the Kingdom of Morocco, with a million inhabitants, Rabat enjoys a pleasant subtropical climate, very sunny, with maritime influences. The average temperature in October is 25 °.

Its two railway stations (Rabat Ville and Rabat Agdal) and its modern tram network serving the main areas of the city facilitate travels. A fleet of small taxis in bright blue provides a very popular service at modest prices (less than 2 euros per race).

A thousand-year-old city whose occupation dates back to Roman times, Rabat has a rich history, as evidenced by the Roman-Islamic site of Chellah, the Mohammed V mausoleum, the ancient Hassan mosque and the 12th century Oudeyas Kasbah overlooking the ocean. With its colorful and lively medina and its center of architecture representative of the middle of the 20th century, Rabat attracts more and more visitors each year.

Rabat is also a modern city in profound mutation: The National Library of Morocco, The Hassan II bridge on the Bouregreg river, the Museum of Modern Art and the Hay Riad business district are the illustration. The future Grand Théâtre and the Africa Tower project (the highest on the continent), currently underway, are devoted to the development of the riverbanks.
Parallel to the congress, tourist excursions (on extra) from Rabat are organized to different Moroccan big cities such as: Casablanca, Fez, Marrakech, Tangier, Rabat.

For programs and registration terms, consult the following link:
Contact

For program questions, abstracts and interventions

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For questions about local organization, sponsorship, registration and transport.

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- 06.63.24.25.63
- www.iff-ma.com
- contact@iff-ma.com

For questions about hotel reservations and sightseeing tour

- +212 537 686 297
- reservations@supratourstravel.com
- 65, Av Fal Ould Oumeir, Bureau N°, Agdal, Rabat-Maroc
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www.wcrt2019.org