

# 8<sup>TH</sup> RAILTOPOMODEL CONFERENCE

CONFERENCE  
ON MAY 4<sup>TH</sup>, 2017  
AT UIC HEADQUARTERS, PARIS

**UIC and railML.org are glad to invite you to participate in their bi-annual RailTopoModel and railML® conference.**

Digitalization is ultimately about changing business processes. RailTopoModel and railML®3 are meant to become one significant enabling technology in the railway context. See for yourself and provide your feedback! With this conference, we wish you to establish how relevant RailTopoModel and railML® may be to your current business. First operational usages of RTM will be presented, and last developments will be reviewed (Time management, Interlocking, Physical objects and geometry,...).

The latest railML®3 developments will be introduced. Moreover, our prepared cooperation with buildingSMART International paves the way towards a comprehensive framework for integrated BIM, Asset Management and Operation.

**RailTopoModel** is both a project and a product. The project has been conducted since 2014 by UIC, after having been pioneered by several of its Members and financed by many others. The project has been conducted in close cooperation with railML.org, and has resulted in the delivery of International Railway Solution (IRS) 30100, in April 2016.

**IRS 30100** is [free for download](#) and usage; it explains what RailTopoModel is: formally, a class diagram; substantially, a universal way to represent railway network data in a single repository, be it for asset management or operational purposes, at any desirable scale.



How does RailTopoModel contribute to **digital continuity in the railway business**? One year after its first official release, we can present facts: feedback from real usage by railway companies, Academia, and IT solutions providers, as well as user perspectives.

**railML®3, the open, xml-based infrastructure data exchange format** supporting RailTopoModel, is under development, boldly combining the ground-breaking topology concepts of RailTopoModel with the legacy features of previous versions, thus paying respect to its wide and active user base. At the same time, interlocking concepts re being included, thus adding a highly-demanded use case to its already impressive catalogue.

## EVENING EVENT ON THE 3<sup>RD</sup> OF MAY

19:00 | Welcome

19:30 | Get together: Discussion, Fingerfood and Networking @ UIC

# Conference Agenda

— AT UIC HEADQUARTERS —

16 rue Jean Rey, 75015 Paris

www.railtopomodel.org/en/conference.html  
**FREE  
REGISTRATION**



09:00	<b>REGISTRATION &amp; COFFEE</b>	
	<b>WELCOME AND OPENING</b>	
09:30	OpenDRIVE, an open format for road network logic	Marius Dupuis, OpenDRIVE
	<b>BUILDING INFORMATION MODELING (BIM)</b>	
09:55	Cooperation with BuildingSMART	Christophe Castaing, buildingSMART
10:15	Convergence between RTM/railML and Industry Foundation Classes	Vivian Augele, TU Dresden N.N.
	<b>USE CASES</b>	
10:40	Common use case for BIM, railML and RTM: track alignment and tamping	Krzysztof Wilczek, Plasser & Theurer
11:05	<b>Coffee break</b>	
11:25	Time and project dimension	Gerben Schut, ProRail
11:35	From functional objects to physical assets	N.N.
11:45	Digital continuity for interlocking - from use case to xsd generation	Bob Janssen, railML.org Christian Rahmig, railML.org
12:05	Q&A, Use Cases	
12:45	<b>Lunch break</b>	
	<b>BUSINESS VIEWS, EARLY ADOPTERS</b>	
13:45	Trackworks planning & timetable rescheduling: experience from PAIP project	Jürg Balsiger, SBB / CFF / FFS
14:05	Steps towards implementing RailTopoModel at the Spanish rail infrastructure manager	Francisco Luna, ADIF
14:25	RailTopoModel implementation, from an IT solution provider's perspective	Fabrice Simonin, GISmartware
14:40	RailTopoModel for route protection and simulation	Matthieu Perrin, IFSTTAR
	<b>APPLICATIONS &amp; STANDARD</b>	
14:55	RailVIVID 1.2, the railML file viewer & validator	Vasco P. Kolmorgen, railML.org
15:15	Governance and releases	Olivier Boudou, UIC
15:35	Final Q&A, and conclusions	Airy Magnien, UIC
16:00		

The next RailTopoModel and railML conference

— WILL TAKE PLACE —

**IN AUTUMN 2017**

AT UIC HEADQUARTERS IN PARIS