

## **Andy Kirwan**



Andy Kirwan currently manages a team of 25-30 model developers and analysts with backgrounds in mathematics, computer science, physics and engineering. The team provides support across all asset disciplines to core business processes including asset strategy development, regulatory funding reviews and whole life costing for enhancement projects.

Andy joined Network Rail in 1999 and has held senior roles in risk and safety management, asset information and asset management development. He was the author of Network Rail's first Asset Management Strategy and is currently Network Rail's Technical Authority for Life Cycle Costing. Before joining Network Rail, Andy worked in the nuclear power generation industry, in the risk and asset management consulting sector, and in academia.

## **Marc Antoni**



Dr Marc ANTONI [M] is Director of the Rail System Department of UIC (International Union of Railways) in Paris. Since 2007, he has been Head of Technological Innovation and Asset Management at SNCF, and from 2013-2014 has also been a signalling and system expert at UIC.

He graduated in electronics from French engineering school CNAM (Conservatoire National des Arts et Metiers) in 1990, following which he qualified as an engineer at Supélec (Graduate School of Engineering) in 1993. He obtained his PhD at the prestigious University of Braunschweig (Germany) in 2009.

Beginning his career with SNCF as a signalling and telecommunication operator at the Strasbourg Regional Infrastructure Directorate in 1986, he has since been head of one of the regional infrastructure signalling divisions in northern Paris, a signalling expert in charge of developing supervision and remote monitoring for infrastructure, and later Head of the Regional Infrastructure Telecommunication and Computerized Systems Directorate.

Dr Antoni won best paper award at the WCRR 2008 and has been an SNCF SYNAPSES Expert level 4 since 2009. On 14 November 2012, he received the title of Knight of the French National Order of Merit.

## **Christian Holzer**

Christian Holzer is a responsible key player in developing an Intelligent Asset Management System within the ÖBB's railway infrastructure sector.

During his PhD study (mentored by ÖBB's CEO) parallel to his employment, he developed a new steering model for the ÖBB's Asset Management and is now in the progress of implementing it within the organisation. He aims at positioning the ÖBB as one of the leading companies in Asset Management for Railway Infrastructure in Europe.

As a member of the UIC Asset Management Working Group (AMWG) and the resulting "Guideline" to ISO 55000, he is linked up with other domain-experts and actively supports the further development of asset management within the railway infrastructure sector.

### **GianPiero Pavirani**

Graduated in Electronic Engineering, at Bologna University.

He followed a management course of specialization in "Transport Engineering" at Bologna University.

With many years of experience in Rete Ferroviaria Italiana (RFI), He has acquired significant experience in design, planning, control and improvement of the organization and maintenance trials throughout the country.

He was Head of the new structure in "Maintenance Engineering" of RFI, with national jurisdiction, with the function was to design, plan, control and improve the organization and maintenance trials throughout the country.

Contemporarily he was Managing Director of the Company Società Elettrica Ferroviaria (SELF), part of the Ferrovie dello Stato Italiano (FSI) Group, which administers the part of the National Grid owned by RFI.

He participated in the activation of the High Speed line of the national railway network.

Today he is Head of the structure "Asset Management" of RFI, with the function to application the principles inside all the company

### **Jude Carey**

Jude is Head of Finance for Infrastructure within Irish Rail. He joined the UIC Asset Management working group in 2011. Within Irish Rail his role has been expanded to now include Head of Commercial Asset Management and he is leading their drive to implement Asset Management.

### **Vesa Mannisto**

Mr Vesa Mannisto is a senior advisor in asset management at the Finnish Transport Agency (FTA), Finland. FTA is a government agency under the supervision of the Ministry of Transport and Communication, and is responsible for asset management of public roads, railways and waterways in Finland.

Mr Mannisto received his M.Sc. in Statistics from the University of Tampere in 1989. After graduation he worked for 20 years for private consulting companies in Finland, mainly in pavement and other road management related projects, both in Finland and abroad. He joined Finnish Road Administration in 2008, just two years before road, railway and waterway administrations were merged to the Finnish Transport Agency.

Mr Mannisto is now responsible for development and harmonization of asset management procedures and systems in the FTA. As a senior advisor he is also involved in planning of annual and long-term funding for infrastructure maintenance and rehabilitation. He is also active in asset management working groups of international organizations, such as EIM (European Rail Infrastructure Managers), UIC (International Union of Railways) and CEDR (Conference of European Directors of Roads). He is also the chairman of the Finnish mirror group for ISO/TC251 (Asset Management).

### **Richard Mair**

Richard Mair is a senior asset manager at the ÖBB Infrastruktur AG (Austrian Federal Railways) where he is a responsible key player in developing an Asset Management System for the ÖBB's railway infrastructure sector.

Richard holds an engineer degree (Ing.) in electronics and diplom engineer degree (Dipl. -Ing.) in computer science.

As a member of the UIC Asset Management Working Group (AMWG) and the resulting "Guideline" to ISO 55000, he is linked up with other domain-experts and actively supports the further development of asset management within the railway infrastructure sector.

### **Teodor Gradinariu**

He is an Electrical Engineer and has a Masters Degree in Engineering Science from Polytechnic School of Bucharest, Transportation Faculty in 1981. In 1999, he followed a management course at Utica College, Syracuse University, NY, USA.

Having spent his earlier years as a Signaling Engineer, he was later responsible, as a Technical Manager, Regional Safety Manager, Technical Director and General Director for Brasov Region in The Romanian National Railway Company (CFR).

Since 1999 to 2000, he held position as Deputy General Director (Deputy CEO) of the Romanian National Railways Company CFR SA.

Since 2000, he's working within UIC and has been involved in Infrastructure activities in the European area for over fifteen years as a member of the Infrastructure Commission and Infrastructure department of the UIC and now Railways Systems Department.

He is responsible now for the Asset Management Sector in UIC and Operation Domain.

### **Aleksey M. Zamyshliaev**

Graduated from the Moscow State University of Railway Engineering in 2001 and take qualification: railway organization and management engineer. He began his professional activity at Research and Design Institute for Information Technology, Signalling and Telecommunications on Railway Transport where he is working now as deputy general director. At the same time he received Doctor's degree of Technical Sciences at Moscow State University of Railway Engineering in 2013. The main research areas and working duties are:

- Management of the development of integrated systems for traffic safety in stations and automated control and decision support systems;
- Management of the development of concept, regulatory and guidance documents of the railway industry, including in the area of technical regulation and standardization in railway transportation;
- Management of activities related to the transportation safety of the Russian Railways;
- Chief designer of the System for risk, assets management and dependability analysis at lifecycle stages of railway technology facilities.

Member of the Asset Management Groupe since 2016.

### **Olivier BANCEL / SYSTRA**



He is a Telecommunication Engineer graduated from Telecom Paris Tech

Professional experience

He has extensive experience of operation and maintenance at SNCF (the French railway operator) with last position as Infrastructure Maintenance Director. He also led strategic actions to transform industrial organizations, investment programs, telecommunications, supply chains, make-or-buy strategies and digital developments and has international experience of governance of subsidiary companies.

He is now VP Asset Management for Systra where he develops services on maintenance engineering and digital solutions.

### **Alain RUFFIEUX / GROUPE – E**



Alain Ruffieux is Head of Asset Management of the power grid at Groupe E SA. With more than 11'000 kilometers of lines, 51 high voltage substations and 3600 medium voltage substations, Groupe E SA supplies a population of more than 400'000 people. Holder of a Bachelor in Engineering and Management, Alain Ruffieux will complete in 2018 an Executive MBA in Utility Management. During his career, he worked most of his time in the power distribution systems at different functions. He participated to the development of the investment and maintenance grid master plan in a Swiss electricity distribution company and was also project leader for the implementation of asset management software. At the same time, he managed a team of technicians and engineers who were responsible for establishing the investment and maintenance budget and for the standardization of the power grid equipment.

### **Serigne A. GAYE / TERADATA**



Serigne A. GAYE is Senior Consultant at Teradata. He has worked 24 years in Industry with an expertise in Big Data and Analytics for Equipment Health & Usage Surveillance, Service Chain Optimisation and Asset Life Cycle Costs Analysis. At Teradata Serigne is focused on leveraging data and analytics to improve the efficiency of Assets through Life Support.

Serigne has a background of Mechanical Engineer, is graduated with a DEA in Applied Mechanics at ENSAM Paris, and MS / Industrial Management from HEC.

### **Sander SIESWERDA / OXAND**



Sander is Master in Public Administration (Twente University NL, 1999) and Business Administration (Nyenrode NL, 2001). After 8 years in public administration in the Netherlands and a short stay at a construction company, Sander was co-founder of Oxand Netherlands in 2008. As an asset management expert, Sander supported his clients in the design and implementation of new asset management departments for their companies and projects. Since 2015, Sander has been responsible for Oxand Academy. He developed a variety of training programmes, which include both a theoretical introduction to asset, ageing and risk concepts, and playful learning with board and card games.

With Engie and Sellafield Ltd Sander developed tailored games. The Sellafield Synergy Game was nominated “the Institute of Asset Management Innovation Award 2016”

### **Ruud POPPELAARS / ENGIE**



Ruud is Master in Asset Integrity Management (RGU, Aberdeen, UK, 2008) and Engineering (HU Utrecht NL 2006). After his Bachelor in Mechanical Engineering, Ruud developed in engineering and maintenance at a company that builds materials handling systems. He then started studying Asset Management and worked at Tata Steel.

Ten Years ago Ruud started working at ENGIE as Business Consultant, because of its diversity in assets, context and opportunities. Ruud is now program manager of the Sustainable Asset Management (SAM) program at ENGIE. The program consists of a network of professionals that develop templates for asset management challenges, they share knowledge and train colleagues. To operationalize asset management, Ruud implements and cooperates with Oxand to certify customers, create awareness with the SAM Game and implement asset management systems.

### **Rémy JACQUIER / OXAND**



Rémy Jacquier is General Manager at Oxand, a digital solution provider and business consulting Company in asset, ageing and risk management. Rémy joined Oxand in 2012, as Delegated VP Large assets and expert consultant in transportation and real estate.

Remy was formerly Analyst at Accenture, Policy Officer at ARCEP (Autorité de régulation des communications électroniques et des postes), then Head of Financial Controlling Unit at SNCF Réseau (ex RFF).

He graduated in Ecole nationale supérieure de Bretagne, is MSC in Telecommunications Engineering (University College in London) and MSC Public Affairs and Economics from Institut d'Etudes Politiques de Paris.