

# Benoît Jourdain

Electromechanical Engineer



## Profile

62 years old  
Seniority : 23 years,  
associate  
English

**Mechanics**

**Electromechanics**

**Railway and Urban transport  
issues**

**Roadways – Other grids**

**Industrial systems**

**Heating – Ventilation – Air  
conditioning – Chimney  
engineering**

**Fires**

## Education

### **Engineering Degree – ICAM**

Arts et Métiers, Lille

### **Post-Graduate Degree in Fluid Mechanics**

## Professional background

### **Cabinet Sofrex**

**Expert for Insurance Companies**

Expert for Civil Liability, TRC Risks

### **Matra International Transport**

Technical Manager, Rolling Stock Engineering and Interfaces Manager

Fine-tuning of automatic rail systems

### **Onera**

Test Engineer. Carrying out experimental studies on flight mechanics

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## Key areas of expertise

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### Rail Accidents

- Certified Expert qualified to deal with SNCF Claims under the CGA agreement
- Derailing and collisions of rail vehicles
- Accidents on rail infrastructure work sites
- Accidents on railroad crossings
- Traffic disturbances, operating losses for SNCF and urban transportation operators
- Failures on rail equipment (braking, doors, ...)
- Damage to railcars during commercial operation
- Unusual rail wear

### Loss Files Concerning TRC & TRME Risks

- Damage during construction work on transportation systems (trams, metros, railways, construction and tests on rolling stock)
- Accidents during test phases
- Theft or damage to test or site equipment

### Roadways – Other Networks

- Damage to roadways and parking areas
- Defects regarding dams and reservoirs
- Defects regarding underground networks
- Damage due to materials swelling
- Corrosion on fluids transportation systems
- Damage to underground pipes and cables

### Industrial Processes

- Mechanical and electromechanical damage in incineration plants, power plants, cogeneration plants, biomass or equivalent plants
- Damage due to corrosion
- Performance and reliability flaws – financial impacts

### Construction

- Operating defects in heating, ventilation or air conditioning (HVAC) systems
- Performance defects

### Fires

- Fires and defects concerning chimney engineering
- Industrial fires
- Storage silo explosions