



**NDM, REA, FONCSI, ICSI**  
Symposium

**Program for June 23, 2021**  
**dedicated to industrialists**

**“Is the at-risk industry in need a  
safety management paradigm shift?”**

*« L'industrie à risque a-t-elle besoin de changer de paradigme  
pour la gestion de la sécurité ? »*

**ENAC | Ecole Nationale de l'Aviation Civile**

7 Avenue Edouard Belin, 31400 Toulouse - France

& online

**09:30 - Introduction to the day's program**  
Jean Pariès, Scientific Director of ICSI-FonCSI

## 09:45 - FIRST SESSION

There are signs that we are reaching the “end of a cycle” in current safety management strategies. What are the new challenges? What needs to change?

**09:50 - Round table**, chaired by Jean Pariès, Scientific Director of ICSI-FonCSI

- [Frédéric Delorme](#), President of Rail Logistics Europe at SNCF
- [Xavier Bontemps](#), Senior Vice President HSE at Total
- [Yannick Malinge](#), Senior Vice President Chief Product Safety Officer at Airbus

**10:50 - Alternative approaches: HRO, Resilience engineering (RE), Naturalistic Decision Making (NDM), Safety 1-Safety 2...**  
[Jean-Christophe Le Coze](#), Head of research on Human & Organizational Factors at INERIS

## 11:10 - Break

**11:25 - The contributions of Naturalistic Decision Making (NDM)**  
[Gary Klein](#), President of ShadowBox LLC (Video)

**11:45 - Resilience: “The marvelous resilience of bones”**  
[Richard Cook](#), Principal at Adaptive Capacity Labs (Video)

**12:00 - Summary of the morning session**  
[Jean Pariès](#), Scientific Director of ICSI-FonCSI

**9h30 - Introduction de la journée**  
Jean Pariès, Scientific Director of ICSI-FonCSI

## 09h45 - PREMIERE SESSION

Les signes de la « fin d'un cycle » dans les stratégies actuelles de gestion de la sécurité. Quels nouveaux challenges ? Quels besoins d'évolution ?

**9h50 - Table ronde**, animée par Jean Pariès, Scientific Director of ICSI-FonCSI

- [Frédéric Delorme](#), President of Rail Logistics Europe at SNCF
- [Xavier Bontemps](#), Senior Vice President HSE at Total
- [Yannick Malinge](#), Senior Vice President Chief Product Safety Officer at Airbus

**10h50 - Les mouvements alternatifs : HRO, Resilience engineering (RE), Naturalistic Decision Making (NDM), Safety 1-Safety 2...**  
[Jean-Christophe Le Coze](#), Head of research on Human & Organisational Factors at INERIS

## 11h10 - Pause

**11h25 - Les apports du Naturalistic Decision Making (NDM)**  
[Gary Klein](#), President of ShadowBox LLC (Vidéo)

**11h45 - La résilience : « The marvelous resilience of bones »**  
[Richard Cook](#), Principal at Adaptive Capacity Labs (Vidéo)

**12h - Synthèse de la matinée**  
[Jean Pariès](#), Scientific Director of ICSI-FonCSI

## 13:30 - SECOND SESSION

**Changes to industrial strategies for a new form of safety management.**

**Are the alternatives credible? What are the concepts and practical tools?**

**13:45 - Round table discussion**, chaired by René Amalberti, Director of FonCSI

- [David Woods](#), Professor of Cognitive Systems Engineering and Human Systems Integration at Ohio State University (USA)
- [Sidney Dekker](#), Professor at Griffith University in Brisbane (Australia)
- [Gary Klein](#), President of ShadowBox LLC (USA)

**14:45 - Lessons from the Covid-19 crisis: what has changed and what will remain the same**

- Icsi working group “Covid-19 and risk management”, [Dounia Tazi](#)
- Foncsi working group “Impact of the Covid crisis on safety management strategies”, [Eric Marsden](#)

**15:00 - Break**

## 13h30 - DEUXIEME SESSION

**Les modifications de stratégies industrielles pour une nouvelle gestion de la sécurité.**

**Les offres alternatives sont-elles crédibles ? Quels concepts et outils pratiques ?**

**13h45 - Table ronde**, animée par René Amalberti, directeur de la Foncsi

- [David Woods](#), Professor of Cognitive Systems Engineering and Human Systems Integration at Ohio State University (USA)
- [Sidney Dekker](#), Professor at Griffith University in Brisbane (Australia)
- [Gary Klein](#), President of ShadowBox LLC (USA)

**14h45 - Les leçons de la crise de la Covid-19 : ce qui a changé et ce qui restera inchangé**

- Groupe de travail Icsi « Covid-19 et gestion des risques », [Dounia Tazi](#)
- Groupe de travail Foncsi « Impact de la crise Covid sur les stratégies de gestion de la sécurité », [Eric Marsden](#)

**15h - Pause**

## 15:15 - THIRD SESSION

Resistance to change: the social acceptability of acknowledging that not everything can be predicted, the lack of total control.

### 15:15 - Round table

- [Pierre Verzat](#), Chairman of the Management Board of Systra
- [Jacques Repussart](#), former Director General of IRSN
- [Daniel Soulez-Larivière](#), lawyer, specialist in commercial criminal law

### 16:15 - Where do we go from here?

[Jean Pariès](#), Scientific Director of ICSI-FonCSI

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16:30 - Roundup of the day's discussions

Central European Time (CET)

## 15h15 - TROISIEME SESSION

Les résistances au changement : acceptabilité sociale d'une reconnaissance de l'imprévisible, de l'absence de contrôle total.

### 15h15 - Table ronde

- [Pierre Verzat](#), Président du Directoire de Systra
- [Jacques Repussart](#), ancien directeur général de l'IRSN
- [Daniel Soulez-Larivière](#), avocat, spécialiste du droit pénal des affaires

### 16h15 - Comment continuer ?

[Jean Pariès](#), Scientific Director of ICSI-FonCSI

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16h30 - Conclusion de la journée

