

**Chair Risk and Resilience of Complex Systems  
Annual Scientific Seminar  
September 28th 2023**

**B t. Bouygues – CentraleSup lec - 9 Rue Joliot Curie - Gif-sur-Yvette 91190**  
**Hybrid mode via Teams**

**09:45 - 10:00 : Welcoming coffee**

**Part 1: Presentations of the chair members**

10:00 - 10:30

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Anne Barros – PHD - CentraleSup lec Paris Saclay University - Head of the chair  
“Introduction and overview of the chair RRSC achievements: scientific contributions, research projects granted, education.”

10:30-11:00

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Yiping Fang – PHD - CentraleSup lec Paris Saclay University – RRSC chair  
“Robust and Scalable Prescriptive Analytics for the Resilience of Critical Infrastructure Networks”

**11:00-11:15: Break**

11:15-11:45

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Matthieu Roux – PHD Candidate - CentraleSup lec Paris Saclay University - RRSC chair  
“Maintenance planification based on imperfect monitoring for distributed infrastructures.”

11:45-12:15

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Zhiguo Zeng – PHD - CentraleSup lec Paris Saclay University – RRSC chair  
“Why PHM has H and M? And how to do that?”

**12:30 – 14:00 : Lunch (registration required, no fee)**

**Part 2: Invited speakers from partners industry – Use Cases**

14:00: – 14:30

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Yang Sun – PHD Candidate - SNCF  
“Model-Based Human-System Integration for GOA2 level in train driving assistance”

14:30 – 15:00

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Rui Li – PHD Candidate - Orange  
“Resilient railway 5G network: service availability and reliability assessment”

15:00– 15 :30

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Khaled Sayad – PHD Candidate - Orange  
“Modeling the impact of information sharing on failure propagation in a network of interdependent critical cyber-physical systems”

**15:30-15 :45: Break**

**Part 3: Roundtable**

15 :45 – 16:30

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All: feedback, summary, perspectives, and conclusions

**16:30: Cocktail (registration required, no fee)**