



ALIAS Conference 14-15 June 2012, Florence (Italy)

A SESAR Innovation Challenge: Responsibilities, Liabilities and Automation in Aviation

How does automation affect liability issues in complex and safety-critical socio-technical domains?

This is the central question of the ALIAS Conference, organized on 14-15 June 2012 in Florence and hosted by the European University Institute.

The conference explores the wide spectrum of the relations between automation and liability in highly automated socio-technical systems, focusing on Air Traffic Management and Aviation, but also considering other domains such as Healthcare and Oil and Gas Industry.

In the current operational scenario, liability is mainly allocated to the operators that are finally responsible for the service. Advances in automation and technology may bring a paradigm shift, questioning the allocation of liability mainly and finally on the operators. The automation may configure not just as a support to accomplish the operators' tasks, but as a fundamental component of the system that shapes and conditions the human behaviour. Such technological changes question the very notion of individual agency and demand for a critical revision of the human contribution to the performance of complex socio-technical systems, and consequently on criteria for liability allocation.

The topic is new and challenging. ALIAS aims to address it over a dedicated Network, that is going to be established in the project. The ALIAS Network (already available at <http://network.aliasnetwork.eu/>) enables an ongoing structured debate and discussion forum, leading to the development of a body of knowledge, competence and capability on the relationship between liability and automation. As a meeting place for professionals and practitioners, it draws on the collective experience of its members to foster discussion and collaboration across disciplinary lines.

The ALIAS Conference has been purposely organized to officially launch the Network and offer its members the opportunity to meet, know each other and start debating the theme of liability and automation.

Due to this purpose, the ALIAS Conference is organized in discussion panels. After a first section intended to set the scene and provide background information, it then presents a set of panel sessions that are intended to highlight the point of view of different stakeholders and stimulate their discussion on the possible impact of automation on liability issues.

Two keynote speeches will be also presented. Francis Schubert from Skyguide will discuss about liability of Air Navigation Service Providers, focusing in particular on lessons learnt from the accident occurred at Uberlingen in 2002. Liam Bannon, from University of Limerick and Deep Blue, will discuss instead about the human side of automation.



Programme of the Conference

14 June, Morning - Setting the Background

9:00-9:15	Colin MECKIFF (EUROCONTROL), Giovanni SARTOR (EUI): Welcome
9:15-10:00	Paul VERHOEF (DG MOVE): The Governance of the Single European Sky (SES)
10:00-10:45	Peter HOTHAM (SJU): Automation and Innovation in SESAR
10:45-11:15	coffee break
11:15-12:00	Anna MASUTTI (LS Law Firm), Caroline MANTL (EUROCONTROL), Walter VASSELLI (Finmeccanica): Will the Single European Sky (SES) require a new legal framework for the air transport?
12:00-12:30	Maurizio CATINO (University of Milan, Bicocca): Air disasters as organizational errors: the case of Linate
12:30-13:00	Giovanni SARTOR, Giuseppe CONTISSA, Marta SIMONCINI (EUI): automation and liability
13:00-14:00	Lunch

14 June, Afternoon

Introduction

14.00-14-45	Giovanni SARTOR (EUI), Patrizia MARTI (University of Siena and DeepBlue): Networking around automation and liability: the ALIAS project
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Keynote

14:45-15:45	Francis SCHUBERT (Skyguide): The Liability of Air Services Provider: some lessons from the Überlingen
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15:45-16:15 Break

Panel Session

16:15-17:30	Moderator: Hans MICKLITZ (EUI). Topic: Automation at airports, the Remotely Operated Towers (ROT) and i4D taken as examples <ul style="list-style-type: none">• Etienne VAN ZUIJLEN (Schiphol Airport): The implementation of automated systems in European Airports.• Niclas GUSTAVSSON (LFV): The ROT Project and i4D• Marc BAUMGARTNER (IFATCA): ATC and their view on ROT
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Reception (cocktail) - Social Dinner



15 June, Morning

Panel Sessions

9:00-10:00

Moderator: Amalia FRIMAN (SJU).

Topic: Insurance and liability: challenges from automation

- Roger SETHSSON (Inter Hannover): Trends in claims settlement due to automation
- Anna MASUTTI (LS Law Firm): Who should insure against liability?

10:00-11:15

Moderator: Giovanni SARTOR (EUI).

Topic: Automation what role for Humans?

- Marc BAUMGARTNER (IFATCA): The role of Human in Automation
- Francis SCHUBERT (Skyguide): Regulatory aspects of new innovative business models for technical infrastructures under the SES
- Fabio RUTA (Alenia): [topic to be confirmed]

11:15-11:45 break

Keynote

11:45 -12:45

Liam BANNON (University of Limerick and DeepBlue):
The Human Side of Automation

12:45-14:00 Lunch

15 June, Afternoon

Panel Sessions

14:00-15:15

Moderator: Patrizia MARTI (University of Siena and Deep Blue)

Topic: Learning from accidents: insights from various safety critical domains

- Sebastiano BAGNARA and Roberta MORICI (Irso Foundation) and Davide SCOTTI (LHS Foundation): InvestigAction: A cognitive and organizational tool for learning from accidents and improving safety in oil and gas industry
- Riccardo TARTAGLIA and Sara ALBOLINO (Centro Gestione Rischio Clinico Regione Toscana): Apply patient safety solutions to clinical practice. Why is it so hard?"

15:15 - 15:45 coffee break

15:45-17:00

Moderator: Anna MASUTTI (LS Law Firm)

Topic: change of responsibilities/liabilities due to automation

- The perspective of the industry [speaker from Selex SI SpA to be confirmed]
- Massimo GARBINI (ENAV): The perspective of Air Navigation Service Providers
- The perspective of airlines [speaker from IATA to be confirmed]
- Micaela VERISSIMO (EASA): The safety perspective

17:00-18:00

Conclusions:

ALIAS consortium and Colin MECKIFF (EUROCONTROL)