



1<sup>st</sup> OPTICS2 Workshop

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# Aviation cybersecurity

What's around the corner,  
and are we ready for it?

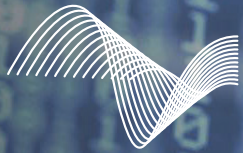
Cyber-attacks are relatively low cost and low risk for the perpetrator, but can be a very high cost for the targeted organisation and society.

This workshop brings together a range of experts from industry and regulation to consider both existing and potential future cyber risks and identify a top 10 list of both urgent and mid-term research that is required to maintain a safe and secure air transport system, today and in the future.

**5-6 June 2018**

EASA, Cologne | Germany

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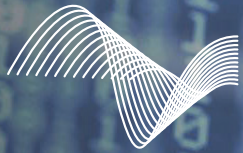
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# Agenda

Day 1 | 5<sup>th</sup> of June 2018

9:00	<i>Arrival at EASA &amp; Welcome coffee</i>
9:30	<b>Welcome, EASA</b> <i>Luc Tytgat, EASA – Director Strategy &amp; Safety Management</i>
9:40	<b>Opening by the European Commission</b> <i>Pablo Pérez-Illana, EC-DG-RTD</i>
9:50	<b>SESAR and Cybersecurity</b> <i>Marouan Chida, SESAR JU Manager Digital Transformation &amp; Innovation</i>
10:00	<b>The OPTICS2 Project and Workshop objectives</b> <i>Simone Pozzi, Deep Blue – Project Coordinator</i>
10:20	<b>EASA Cybersecurity roadmap and proposed research</b> <i>Cyrille Rosay &amp; Jean Paul Moreaux, EASA</i>
11:00	<i>Coffee Break</i>
11:25	<b>The GAMMA Project: a new vision for ATM Security Management</b> <i>Giuliano D'Auria, Leonardo &amp; Tim Stelkens-Kobsch, DLR</i>
12:05	<b>Cybersecurity: what threats are around the corner? What research do we need to neutralise them?</b> <i>Chris Johnson, University of Glasgow</i>
12:45	<i>Lunch Break</i>
14:00	<b>Workshop session 1 - Exploring the main cybersecurity threats</b>
15:30	<b>Wrap-up session 1</b>
16:00	<i>Coffee Break</i>
16:30	<b>Crowdsourcing to detect and localise GPS Spoofing Attacks</b> <i>Kai Jansen, Ruhr-University Bochum</i>
16:50	<b>Are we doing the right cybersecurity research? The OPTICS2 Assessment Methodology</b> <i>Angela Vozella, CIRA</i>
17:20	<b>OPTICS2 in practice – What does success look like? The PACAS safety and security project</b> <i>Paolo Giorgini, Trento University</i>
17:50	<i>End of Day 1 - Cocktail &amp; Networking</i>



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# Agenda

Day 2 | 6<sup>th</sup> of June 2018

8:30	<i>Welcome coffee</i>
9:00	<b>A lustrum of malware network communication: evolution and insights</b> <i>Juan Caballero, IMDEA Software Institute</i>
9:30	<b>The CYRAIL Project: What are the current and emerging threats targeting railway infrastructures?</b> <i>Taha Cherfia, FORTISS</i>
10:00	<b>The IACT Project: impact assessment of cybersecurity threats, from theory to realistic flight simulations</b> <i>Giovanni Gamba, Qascom</i>
10:20	<b>ENAV views on security challenges of ATM digital era 2.0</b> <i>Francesco di Maio, ENAV (CANSO Security Chair)</i>
11:00	<i>Coffee Break</i>
11:20	<b>Workshop session 2 - What are the Top 5 cybersecurity research priorities?</b>
12:40	<b>Wrap-up Session 2</b>
13:00	<b>Is European aviation security research delivering? Exclusive sneak peek on the OPTICS2 preliminary findings</b> <i>Clive Goodchild, BAE Systems &amp; John Hird, EUROCONTROL</i>
13:20	<b>Closure</b>
13:30	<i>End of Day 2</i>