

LCM in a Changing World –

Ramping up – Delivering Volume, Speed and Innovation with LCM

The ever-evolving landscape of Life Cycle Management (LCM) is currently undergoing a significant shift with the integration of Artificial Intelligence (AI). As we transition into this new era, this year's Life Cycle Management in NATO Conference presents fresh insights from researchers and practitioners into the visionary potential of merging AI technologies with LCM. Representing NATO, nations, and industry, speakers from around the world will offer leading thoughts, practical implications, and challenges emerging from the confluence of AI and LCM, as well as other exciting developments in LCM in and around NATO.

The conference will take place at the Park Inn by Radisson Brussels Airport on **23/24 January 2024**.

Scope of the Conference

According to NATO's Systems Life Cycle Management (SLCM) policy the main goal of systems life cycle management is to efficiently and effectively deliver, use and maintain NATO capabilities. The primary objectives include:

- Predictive Maintenance: Using AI to predict when equipment will fail so that maintenance can be performed just in time, avoiding unplanned downtime
- Supply Chain Optimization: Leveraging AI to forecast demand, optimize stock levels, and reduce costs.
- Product Lifecycle Forecasting: Employing machine learning to predict product lifecycles based on historical data and market trends.
- Resource Allocation: Utilizing AI to ensure optimal resource distribution throughout the product life cycle.
- Sustainability & AI: Harnessing machine learning for sustainable design, manufacturing, and recycling processes.
- Ethics in AI for LCM: Addressing the challenges and implications of decision-making by AI in LCM.
- You are also welcome to submit a topic outside of AI, we will include that as well

Against this background, the 19th NATO LCM Conference will provide a platform for the presentation of innovative approaches and concepts in support of effective materiel management. In addition to specialist presentations and papers the conference will provide ample opportunity for the exchange of information between and among experts, programme managers and decision makers from the nations' armed forces, defence administration and industry.

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Further information: **REPORT**

www.mittler-report.de

Registration Information

Organised by

Mittler Report Verlag GmbH
Beethovenallee 21, 53173 Bonn, Germany
Phone: +49 228-35008-80, Fax: +49 228-35008-71
Email: LCM-Conference@mittler-report.de
Click [here](#) for online registration.



Conference Venue

Park Inn by Radisson Brussels Airport
Grensstraat 3, 1831 Diegem, Belgium
Phone: +32 2 302 75 00
Email: info.brussels.airport@parkinn.com
Click [here](#) to make a reservation.



Registration Fee

The registration fee of €890 covers participation, administration, documentation, refreshments, reception and dinner. The registration fee for delegates from government/armed forces and exhibitors is €310, speakers from industry €210.

Please register in writing to Mittler Report Verlag

Registration Deadline: Monday, 08 January 2024

Exhibition

Exhibition information and registration is available [here](#). Alternatively, organisations interested in exhibiting are kindly requested to contact the organiser for details LCM-conference@mittler-report.de phone: +49 228-35008-80



Accommodation

Special rates for conference delegates and speakers are offered by the Park Inn by Radisson Brussels Airport (see above). Click [here](#) to make a reservation.



Cancellation

For cancellations a handling fee of €100 will be charged. Cancellations must be received in writing before 08 January 2024.

It is regretted that cancellations received after this time will be liable for the full delegate fee. Substitute delegates may be made at any time at no extra charge.

Liability

Should the conference have to be cancelled the liability of Mittler Report Verlag is limited to the delegate fee.

Life Cycle Management in NATO

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19th NATO LCM Conference & Exhibition

23 and 24 January 2024
Park Inn by Radisson Brussels Airport, Belgium



In cooperation with the NATO Life Cycle Management Group (LCMG) and supported by the NATO Industrial Advisory Group's (NIAG) Industrial Interface Group (NIIG)

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19th NATO LCM Conference & Exhibition **Life Cycle Management in NATO**

Conference Chairmen:

- *Thomas Espelund Pedersen, Danish Defence Acquisition and Logistics Organisation (DALO), Ballerup, Denmark and*
- *J. Bo Leimand, LEIMAND Freelance Consultancy, Naestved, Denmark*

23/24 January 2024
Park Inn by Radisson
Brussels Airport

**LCM in a Changing World –
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Tuesday, 23 January 2024

- 12.30 Welcome Coffee, Registration
- 13.00 **Introductory Remarks, Administrative Remarks**
Conference Chairmen, Organiser
- 13.15 **Keynote: NSPA – Life Cycle Management**
Allan McLeod, Director NATO Support and Procurement Agency, Capellen, Luxembourg
- 13.45 **AC/327 Activity Report**
Holger Ziegler, NATO Headquarters, Brussels, Belgium
NIIG Presentation
Manula Tudosia, Chair NIAG Industrial Interface Group (NIIG) to AC/327 Life Cycle Management Group
Andreas Kirchofer, Vice-Chair NIAG Industrial Interface Group (NIIG) to AC/327 Life Cycle Management Group
- 14.15 **Analysing Defence Project Progress Reports with Machine Learning**
Pieter Jansen, Netherlands Defence Academy, Breda, The Netherlands
- 14.45 Exhibition – Coffee Break
- 15.15 **AI Algorithms Scouting and Challenges for Aircraft Life Cycle Management**
Domenico Fabio Migliore, Francesco Acerra, Leonardo, Rome, Italy
- 15.45 **Maximizing mission capability in new operational environments – Combined use of AI, simulation and optimization**
Axel Nyberg and Oskar Tengö, Systecon, Stockholm, Sweden

- 16.15 **The Use of AI in C5ISR Software Incident Management Activities**
Harri Valkonen, Test & QM Manager, Millog Oy, Tampere
- 16.45 **Just in Time Maintenance powered by the AI-enabled Technician**
Gabriel Batstone, Co-Founder & CEO, Contextere, Ottawa, Canada
- 17.15 Discussion, Concluding Remarks , Exhibition
- 18.00 Reception
- 18.45 Dinner

Wednesday, 24 January 2024

- 08.30 **Introductory Remarks**
Conference Chairmen
- 08.45 **NSPA – Innovation & Delivering increased Volume of consolidated Life cycle Management**
Dr Stergios Isaakidis, NSPA Programme Manager, AGS & UAS Programme Office, Capellen, Luxembourg
- 09.15 **Force of Data**
Harald Kokelkoren and Niek Freriks, ILIAS Solutions, Brussels, Belgium
- 09.45 **Delivery Speed through Additive Manufacturing**
Jarom Wolcott, Raytheon EAGLE and Steve Fecteau, Raytheon, Indianapolis, USA

- 10.15 **How can we produce more reliable products?**
Maria Coraggio, Product Safety Engineer and Reliability Engineer, MBDA, Italy
İlknur Baylakoğlu, Senior Chief Researcher, ILS and Specialty Engineering Department Head, TÜBİTAK BİLGEM, Turkey
- 10.45 Exhibition Coffee Break
- 11.15 **Benefits of regional established sustainment model in support of operational availability and cost share**
Col (ret) Christophe „Taraz“ Fontaine, Vice President Strategic concept and capabilities development EU/NATO, General Atomics Europe
- 11.45 **Contested Logistics**
Margaret E. Eufinger, The Boeing Company, USA
- 12.15 **VeDAS – Vehicle Data Analysing System**
Martin Bussas, Trout GmbH, Kassel, Germany
- 12.45 **Bridging Product Lifecycle and Project Management with Disciplined Agile Toolkit**
Emrah Özdemir, Roketsan, Ankara, Türkiye
- 13.15 Discussion, Concluding Remarks

Programme: Subject to Modification