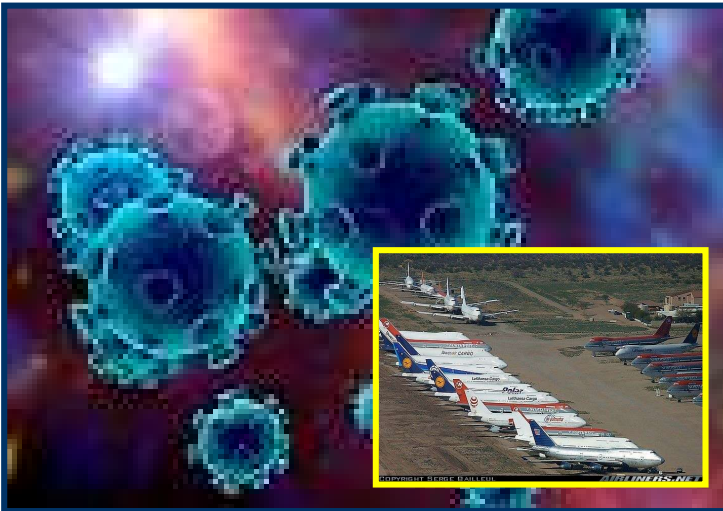


# 30<sup>th</sup> MIRCE International Symposium

15 December 2020, **virtually from** Woodbury Park, Exeter, UK

## Impact of COVID-19 on the Industrial Reliability, Cost and Effectiveness of Functionable Systems



- Free attendance,
- Donations to:

World Health Organisation  
COVID-19  
Solidarity  
Response  
Fund

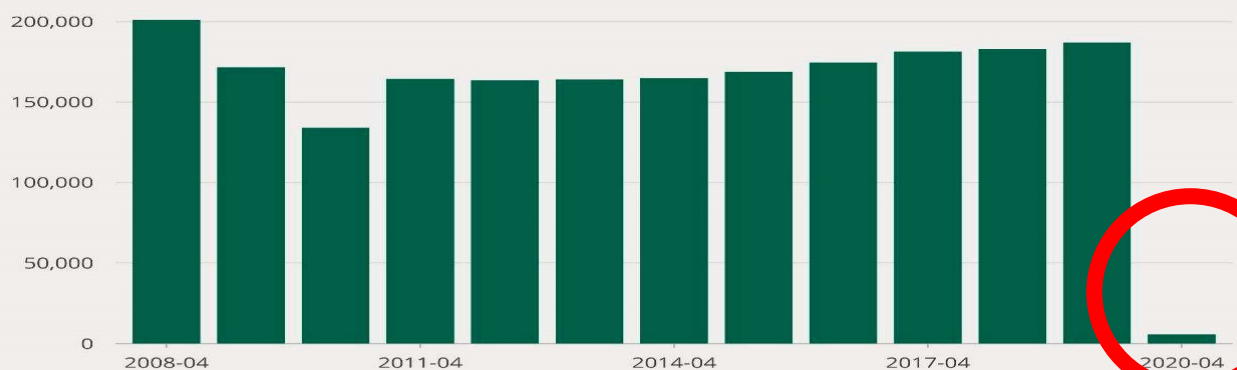


The COVID-19 outbreak showed that pandemics, like other rarely occurring catastrophes, have happened in the past and will happen in the future. Although humans cannot prevent dangerous viruses from emerging, we should be prepared to dampen their consequences on the economy, education, health care and other aspects of the society.

The main objective of the Symposium is to address the severe impact of COVID-19 on the management of industrial reliability, cost and effectiveness across the globe and to present the best technological, social and economical actions taken to deal with it.

### UK passenger air transport movements

At April, 2008 - 2020



Source: Civil Aviation Authority

# The Symposium Programme at Glance

>>>>> **Tuesday 15<sup>th</sup> December 2020** <<<<<

0830-0900	<b>Illustrative history of MIRCE International Symposia (1992-2020)</b>
0900-0940	<b>Pathophysiology of COVID-19: Mechanisms Underlying Disease Severity and Progression</b> , Bohn, M.K., Hall, A., Sepiashvili, L., Jung, B., Steele, S., Adeli, K., Molecular Medicine, Research Institute, The Hospital for Sick Children, University of Toronto, Toronto, Ontario, Canada
0940-1020	<b>The Flow Physics of COVID-19</b> , Mittal, R., Ni, R., Department of Mechanical Eng. and Jung-Hee Seo, School of Medicine, Johns Hopkins University, Baltimore, MD21205, USA
1020-1030	<b>Virus mechanics:</b> How visualising COVID-19's molecular structure helps to understand its vulnerabilities, Goupil-Lamy, A., Dassault Systemes, COMPASS-3DMagazine
1030-1100	<b>Coffee break</b>
1100-1130	<b>MIRCE Science Analysis of the Impact of COVID-19 on Aviation Industry</b> , Knezevic, J., MIRCE Akademy, Exeter, UK
1130-1200	<b>Flying Petri Dish: Aircraft Can Accelerate The Spread Of Disease</b> , Veillette, P., Aviation Weekly, Washington D.C., USA
1200-1230	<b>What Airline Workers Need to Know about COVID-19</b> , Centres for Disease Control and Prevention, U.S. Department of Health & Human Services, USA
1230-1300	<b>FAA Warns on Aircraft Disinfection Risk</b> , Broderick, S., Aviation Weekly, Washington D.C., USA
1300-1400	<b>Lunch Break with a Poster Presentations</b>
1400-1420	<b>Fleet Policies &amp; Procedures to Minimise COVID-19 Contagion</b> , Antich, M., Automotive Fleet, 2020, USA
1420-1430	<b>Keeping the Moscow Metro running safely</b> , World Health Organisation, WHO Spring 2020
1430-1440	<b>Strengthening the informal transport sector for safer, more sustainable mobility in Nairobi, Kenya</b> , World Health Organisation, WHO Spring 2020
1440-1500	<b>How Latin America is fighting COVID-19, for better and worse</b> , Taylor, L., BMJ, UK
1500-1520	<b>Rural communities responding to Covid-19: field experiences from Bangladesh, Sierra Leone and UK</b> , Hodgson, R., Hon Coordinator RedR International.
1520-1530	<b>ANALYSIS: The Rise Of Sanitary And Contactless Technology</b> , Chuanren, C., Southeast Asia and China Correspondent for Air Transport World
1530-1600	<b>Tea break</b>
1600-1645	<b>The Impact of the Coronavirus Pandemic on the Aviation Sector</b> , House of Commons Transport Committee, British Government, London, 2020
1645-1730	<b>Covid-19 Vaccine Deployment: behaviour, ethics, misinformation and policy strategies</b> , The Royal Society, London, UK, 21 October 2020
1730-1815	<b>COVID-19 Pandemic Global View: Containment Efforts and Implications</b> , Travica, B., University of Manitoba, Canada
1815-1830	<b>Closing video: Quanta's Pilots became bus drivers</b>
1830-1900	<b>Photo Memories of the MIRCE Akademy Christmas Dinners (1992-2019)</b>
1900	<div style="display: flex; align-items: center;">  <div style="border: 1px solid black; padding: 10px; margin-left: 10px;"> <p style="text-align: center;">Formula 1 – Reliability and Effectiveness Center of MIRCE Akademy MIRCE Science based Announcement of the:</p> <ul style="list-style-type: none"> <li>• 2020 Formula 1 Driver Reliability Champion</li> <li>• 2020 Formula 1 Team Reliability Champion</li> </ul> </div> </div>

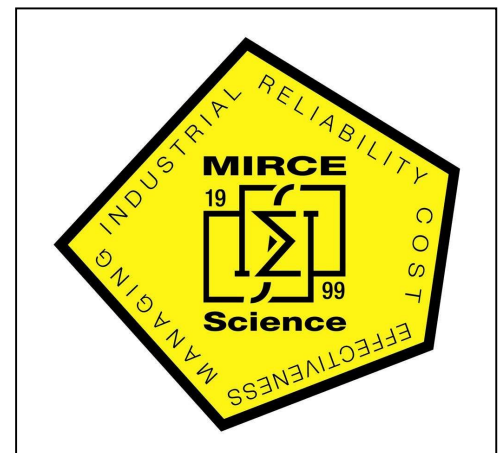
>>> **MIRCE Akademy wishes you Healthy & Happy 2021** <<<



**Exeter** is the most southwesterly Roman fortified settlement in Britain. Exeter Cathedral was founded in the early 12th century and has several notable features, including an early set of misericords, an astronomical clock and the longest uninterrupted vaulted ceiling in England. Today, Exeter is identified as one of the top ten most profitable locations for a business to be based or to gain University education.

**MIRCE Akademy** is an independent research and educational institution devoted to the enhancement and applications of MIRCE Science – a body of knowledge for managing industrial reliability, cost and effectiveness of functionable systems by subjecting natural and human actions to the laws of science.

The knowledge and methods of MIRCE Science have benefited designers, manufacturers, constructors, operators, service-providers, regulators and others in the aerospace, defence, automotive, communication, construction, transportation, service, utility sectors and other areas of business and government.



**Woodbury Park Hotel & Golf Club, Exeter, EX5 1JJ, UK – home of the MIRCE Akademy**

30<sup>th</sup> MIRCE International Symposium: 15 December 2020  
**Impact of COVID-19 on the Industrial Reliability,  
Cost and Effectiveness on Functionable Systems**

**Registration Form**

Phone: +44 (0) 1395 233 856 Email: [office@mirceakademy.com](mailto:office@mirceakademy.com) Web site: [www.mirceakademy.com](http://www.mirceakademy.com)  
Mail: MIRCE Akademy, Woodbury Park, Exeter, EX5 1JJ, United Kingdom

**Due to the catastrophic damage that COVID-19 caused to the economies world-wide, the MIRCE Akademy is running this Symposium free of charge. However, we strongly encourage those participants who are able to make donation to the World Health Organisation COVID-19 charity. (see details below)**

**PERSONAL DETAILS** (Please print clearly)

Surname \_\_\_\_\_

First name \_\_\_\_\_

Organisation \_\_\_\_\_

Department \_\_\_\_\_

Position \_\_\_\_\_

E-mail \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

## COVID-19 Solidarity Response Fund for World

The world has never faced a crisis like COVID-19. The pandemic is impacting communities everywhere. It's never been more urgent to support the global response, led by the **World Health Organisation (WHO)**. Donations support:

- to track and understand the spread of the virus;
- to ensure patients get the care they need;
- frontline workers get essential supplies and information;
- to accelerate research and development of a vaccine and treatments for all who need them.



To donate follow the link:  
<https://covid19responsefund.org/en/>