BINDT Aerospace Event 2027: **Intelligent Future of NDT in Aerospace**

Derby Leisure and Events, Derby, UK

Artificial intelligence (AI) in non-destructive testing (NDT): Artificial intelligence is becoming capable of supporting automated defect detection and characterisation across aerospace NDT methods. However, its adoption raises important questions around qualification, certification and regulatory acceptance.

A key consideration is the level of acceptance: should AI be permitted only as a means to speed up reporting, or a decision-support tool for certified inspectors, or can it be approved to make autonomous accept/reject decisions? The answer will depend on demonstrating that AI provides performance at least equivalent to established inspection methods while maintaining traceability and explainability.

This Aerospace Event will look at the types of AI and how it can be applied. It will consider aspects such as personnel qualification, training and written practice and how it should be approved, validated or controlled. It will also consider probability of detection (POD) methodologies, which could provide the evidence needed to qualify AI-assisted inspection.

POD already offers a recognised statistical framework for demonstrating inspection capability and may provide an objective route for comparing AI performance with human inspectors and conventional automated systems, helping establish confidence for certification and regulatory acceptance.

Member of BINDT
£120.00 + VAT for one day
£220.00 + VAT for two days

Non-Member of BINDT
£140.00 + VAT for one day
£245.00 + VAT for two days

Discount: NDT practitioner working in the aerospace sector
–£20.00 for one day
–£30.00 for two days

Register today!
www.bindt.org

BINDT
THE BRITISH INSTITUTE OF NON-DESTRUCTIVE TESTING

For registration, please complete the form and send to the address below.
For further information contact: The Events and Awards Department, BINDT, Midsummer House, Riverside Way, Bedford Road, Northampton NN1 5NX, UK. Tel: +44 (0)1604 438300; Email: conf@bindt.org

Name: .....

Company:.....

Address: .....

.....Tel: .....

Email: .....

Attendance required: 13 April ☐ 14 April ☐ Both days ☐

BINDT Member: Y ☐ / N ☐ Payment: Credit card ☐

Cancellation penalty:
Less than 28 days before the event, 50% of registration fees.
All cancellations made 14 days prior to the event will result in no refund.
If you have any accessibility requirements, please specify below:

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If you have any special dietary requirements, please specify below:

Gluten free ☐ Peanut free ☐ Dairy free ☐ Vegetarian ☐

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