

Workshop on structural integrity, NDT and CM requirements for Industry 4.0

19-20 October 2021

Industry 4.0 Workshop

**Manufacturing Technology Centre (MTC),
Pilot Way, Ansty Business Park, Coventry CV7 9JU, UK**

The British Institute of Non-Destructive Testing (BINDT), in collaboration with the UK Research Centre in Non-Destructive Evaluation (RCNDE), the UK Forum for Engineering Structural Integrity (FESI) and The Welding Institute, has scheduled a workshop considering the path to Industry 4.0.

Industry 4.0 will completely change the production and operation of nearly every manufactured item in the developed world. Intelligent systems will enhance and sometimes supersede human decision-making in production and operation, and industry will no longer be limited by human cognitive ability. Outcomes will be higher productivity, lower through-life costs and greater safety and reliability, benefitting industry, the global economy and everyone who uses machines or travels in vehicles.

The autonomous, intelligent systems of Industry 4.0 will need high-rate, complex information about operational loads and structural condition, available non-destructively and throughout life, thereby building confidence in their integrity and reducing costs. Assets could become continuously self-verifying, requiring no external intervention in order to maintain fitness for purpose. There is a need to bridge the emerging gap between current reality and these integrity information requirements: the current state-of-the-art falls significantly short.

What are the specific non-destructive testing (NDT), structural health monitoring (SHM) and condition monitoring (CM) requirements that should be focused on to allow this step change and how will they relate to structural integrity and design philosophies? This will be the focus of the workshop, where experts in these fields will meet with designers, manufacturers and regulators to determine what success will look like, what challenges will be faced and what steps must be taken.

**Member of BINDT, Associate
RCNDE, FESI or The Welding Institute**

£70.00 + VAT for one day

£110.00 + VAT for two days

**Non-member of BINDT, Associate
RCNDE, FESI or The Welding Institute**

£85.00 + VAT for one day

£130.00 + VAT for two days

**Register today!
www.bindt.org**



BINDT
THE BRITISH INSTITUTE OF
NON-DESTRUCTIVE TESTING



In collaboration with:

RCNDE FESI



For registration, please complete the form and send it to the address below.

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Name: Company:

Address:

Tel: Fax:

Email:

Attendance required: 19 October 2021 ☐ 20 October 2021 ☐ Both days ☐

Affiliation member: BINDT: Yes ☐ / No ☐ Associate RCNDE: Yes ☐ / No ☐ FESI: Yes ☐ / No ☐

The Welding Institute: Yes ☐ / No ☐

Method of payment: Company order ☐ Credit card ☐

Cancellation penalty: Less than two weeks before the event, 50% of registration fees. All cancellations made 72 hours prior to the event will result in no refund.

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