



NDT2021.UTCDAYTON.com

Non-Destructive Testing and Evaluation (NDT&E) is one of the major requirements in aerospace structural design. Appropriate use of NDT guarantees safety in aerospace and is thus a subject of highest attention. To communicate the latest R&D achievements to industrial applicants on the one hand and to discuss advanced and improved methods, both with scientists as well as industrial researchers and applicants on the other, the Symposium on NDT in Aerospace has been established in 2008 and organised on an annual basis since 2010. The symposium always takes place at a location where aerospace has a home.

The 13th edition of the conference series will take place in Williamsburg/VA in the USA at Williamsburg Lodge from October 5 to 7, 2021.

SCOPE

- **NDT Methods:** ultrasound, x-ray, eddy current, thermal imaging, laser based and optical surface inspection etc.
- **NDT Systems:** Design, production integrated NDT&E, mobile NDT&E for maintenance, robotics, health and usage monitoring systems (HUMS)
- **NDT Implications:** Damage tolerance, ageing aircraft, human factors
- **Material Characterization:** Conventional materials, additive manufacturing, recycling
- **Component Inspection:** Aerostructures, space structures, engines, rotating machinery, repairs
- **Numerical Simulation:** Physics of NDT, inspection processes, augmented reality
- **Data Management:** Evaluation, signal processing, image processing, big data management, NDT 4.0
- **Structural Health Monitoring:** Principles, concepts, applications
- **Prognostics and Health Management:** Principles, concepts, applications
- **Student Challenge:** Inspection of an additively manufactured blade

Contributions addressing the topics mentioned above and possibly others with a dedicated relation to NDT and aerospace will be most welcome. Opportunities for exhibition of technology will be provided, as well as technical visits to relevant aerospace related activities. Due to Covid-19 the symposium will be held in a hybrid mode. Attendees in



presence will be given a chance to present their contributions live in a possibly single stream session, while online sessions will be run in parallel and will also include any paper due to be presented as a poster. Keynote speakers are in the process to be invited to talk about NDT 4.0, augmented reality, human factors, NDT market projections and possibly others. Panel discussions and special sessions are considered, which will focus on topics such as NDT 4.0 or NDT for additive manufacturing. An important element of the symposium is also the Student Challenge, where student teams will develop and experimentally prove an NDT concept for an additively manufactured turbine blade in hardware after having done the same exercise through numerical simulation last year (<https://www.ndt.net/search/docs.php3?id=25662>). More information will be available online soon on our conference website NDT2021.UTCDAYTON.com.

The paper for proceedings will be published in NDT.net - Open Access Archive of Nondestructive Testing ISSN 1435-4934.



GENERAL INFORMATION

Venue

Williamsburg Lodge, Williamsburg, VA, USA

Conference Secretariat

Arctos Technology Solutions, 1270 N. Fairfield Rd. Beaver creek, OH 45432, USA

Contact: Jill Jennewine / P: +1 937 426 2808 | E-mail: Jill.Jennewine@arctos-us.com



Hotel Reservation

Special conditions with hotels including the conference venue will be proposed as well as service shuttles for your transfers. Hotel links located on NDT2021.UTCDAYTON.com



Important Deadlines

Deadline for abstract submission	28 May 2021
Acceptance of abstracts	15 June 2021
Deadline for full papers	15 August 2021
Payment of presenting authors	15 August 2021
Final Program	July 2021
Registration Open	July 2021 – October 2021



Fees (VAT included)

Registration (Opens Summer 2021)	US \$895/Attendee
Students (max. 30 years old)	US \$250/Student

including all conference activities, proceedings, gala dinner, coffee breaks, lunch and technical visits.

Technical visits to aviation research and engineering are planned on Wednesday, 6 October 2021 and are under preparation, ending with a gala dinner at the aerospace museum.

EXHIBITION | Deadline: 31 August 2021

A vendor exhibition will be conducted to complement the technical presentations. A limited number of exhibit booths is available. The rental fee is US \$2,295. It includes a six-foot table, chairs and one conference badge with full conference participation. A special session during the symposium will also be devoted to the exhibitors only.

SPONSORSHIP

The 13th International Symposium on NDT in Aerospace provides an ideal opportunity to draw attention to your business by sponsoring. Sponsoring may be also attractive regarding the prize of the Student Challenge or the material to be provided for this. If you are interested in becoming a sponsor, please contact the conference secretariat.

COMMITTEES

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Cara Leckey	NASA Langley, Hampton/VA, USA (Chair)
Christian Boller	Saarland University, Saarbrücken, Germany (Co-chair)
Jill Jennewine	Arctos Technology Solutions, Beavercreek/OH, USA
Michael Stamm	Federal Institute for Materials Research & Testing (BAM), Berlin, Germany (Student Challenge)



Scientific Committee

David Barnoncel	Ariane Group, France
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