

**Venue**

Steigenberger Hotel de Saxe  
Neumarkt 9 | 01067 Dresden | Germany  
[www.steigenberger.com/hotels/alle-hotels/deutschland/dresden/steigenberger-hotel-de-saxe](http://www.steigenberger.com/hotels/alle-hotels/deutschland/dresden/steigenberger-hotel-de-saxe)

**Conference Secretariat**

German Society for Non-Destructive Testing (DGZfP e.V.)  
Steffi Dehlau  
Max-Planck-Str. 6 | 12489 Berlin | Germany  
Phone: +49 30 67807-120 | E-mail: [tagungen@dgzfp.de](mailto:tagungen@dgzfp.de)

**Conference Material**

At the conference, participants will get a booklet of all abstracts of the programme contributions and the proceedings with the full papers.

**Hotel Reservation**

We have special conditions in the conference hotel until 22 August 2018. Information and reservation form please find on the website.

**Website**

The [www.ndt-aerospace.com](http://www.ndt-aerospace.com) website has been prepared for the conference. It is updated regularly.

**Important Deadlines**

Deadline for abstract submission	31 May 2018
Payment of presenting authors	15 July 2018
Final programme	July 2018
Early registration deadline	15 August 2018
Deadline for full papers	15 September 2018

**Fees**

Registration until 15 August 2018	680.00 €
Registration after 15 August 2018	750.00 €
Presenting authors	600.00 €
Students (max. 30 years)	250.00 €

including all conference activities, proceedings, social programme, coffee breaks, lunch and technical visits.

Two alternative technical visits to aviation companies in either Dresden regarding testing & conversion (IMA, Elbe Flugzeugwerke) or Leipzig regarding maintenance (AMTES) on Friday, 26 Oct. 2018 are under preparation, ending approx. 16:00 h.

**Organising Committee**

Christian Boller	Saarland University, Saarbrücken, Germany
Steffi Dehlau	DGZfP, Berlin, Germany
Andrea Gaal	Fraunhofer IKTS, Dresden, Germany
Wolfgang Göhler	Kompetenzzentrum Luft- und Raumfahrt-technik Sachsen/Thüringen e.V. (LRT), Dresden, Germany
Henning Heuer	Fraunhofer IKTS, Dresden, Germany
Matthias Purschke	DGZfP, Berlin, Germany

**Scientific Committee**

Philippe Benoist	M2M, France
Christian Boller	Saarland University, Germany
Matthias Buderath	Airbus, Germany
Clemens Bockenheimer	Airbus, Germany
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Younho Cho	Pusan National University, South Korea
Esmeralda Cueva	Tecnomat, Spain
Zheng Fan	Nanyang Technological University, Singapore
Greg Georgeson	Boeing, USA
Christian Große	TU München, Germany
S. Gopalakrishnan	Indian Institute of Science, India
Alfredo Güemes	Polytechnic University of Madrid, Spain
Randolf Hanke	Fraunhofer EZRT, Germany
Henning Heuer	Fraunhofer IKTS, Germany
Johann Kastner	FH Oberösterreich, Austria
Wieslaw Ostachowicz	Polish Academy of Sciences, Poland
William Prosser	NASA, USA
Matthias Purschke	DGZfP, Germany
Xinlin (Peter) Qing	Xiamen University, China
Lei Qiu	Nanjing University of Aeronautics and Astronautics, China
Robert Smith	University of Bristol, UK
Zhonquing Su	Hong Kong Polytechnic University, Hong Kong
GuiYun Tian	Newcastle University, UK
Shenfeng Yuan	Nanjing University of Aeronautics and Astronautics, China
Zhenggan Zhou	Beihang University, China



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## FIRST ANNOUNCEMENT & CALL FOR PAPERS

# 10<sup>th</sup> International Symposium on NDT in Aerospace



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24 – 26 October 2018 | Dresden, Germany

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 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 10<sup>th</sup> edition of the conference series will take place in Dresden – an important location for the aviation industry in Germany and worldwide.

### Scope

- ⇒ NDT methods like ultrasound, x-ray, eddy current, thermal imaging, laser based and optical surface inspection etc.
- ⇒ Component inspection
- ⇒ Material characterisation including additive manufacturing
- ⇒ Data evaluation and image processing with a scope on big data management
- ⇒ NDT system design
- ⇒ Production integrated NDT&E
- ⇒ Mobile NDT&E for maintenance, repair and overhaul including robotics
- ⇒ Damage tolerance
- ⇒ Aging Aircraft
- ⇒ Structural Health Monitoring
- ⇒ Prognostics and Health Management

Presentations addressing the topics mentioned above and considering any NDT methods proposed such as thermal imaging, eddy current, ultrasonics, optics, x-ray testing and many others will be most welcome.

Opportunities for exhibition of technology and posters will be provided, as well as technical visits to relevant aerospace companies. More Information please find on the conference website:

[www.ndt-aerospace.com](http://www.ndt-aerospace.com)

Prof. Dr.-Ing.  
Christian Boller  
Saarland University

Prof. Dr.-Ing.  
Henning Heuer  
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Technologies and  
Systems IKTS

Dr.-Ing.  
Matthias Purschke  
German Society for  
Non-Destructive Testing

### Saxony –

#### Where Western and Eastern Aerospace Industry Meet

The Free State of Saxony is an important location for the aviation industry. Around 160 companies and research facilities employ more than 7,000 people and generate an annual turnover of around 1.4 billion euros.

The players include the **Aircraft Maintenance and Engineering Service GmbH (AMTES)** at Leipzig airport, where among others Antonov cargo aircraft are maintained. The cargo service provider **Volga-Dnepr Airlines** with the world's largest AN 124 cargo aircraft fleet is also based in Leipzig. At Dresden airport, **Elbe Flugzeugwerke GmbH (EFW)** – a daughter company of ST Aerospace and Airbus – converts passenger to cargo aircraft. **IABG mbH** and **IMA GmbH**, also based in Dresden, are globally reknown companies in aeronautics active in the field of materials and structural testing. In addition, there is a large number of small and medium-sized companies, such as **Cotesa GmbH**, **Hightex Verstärkungsstrukturen GmbH** or **EAST-4D® Carbon Technology GmbH**, which manufacture components for the aircraft industry in the Free State of Saxony.



### Submission Guidelines

| **Deadline: 31 May 2018**

You are invited to submit abstracts in accordance with the following guidelines:

- ⇒ Authors are allowed to register more than one paper.
- ⇒ English being the conference language, the contributions have to be submitted and presented in English. Translation into other languages will not be provided.
- ⇒ All abstracts have to be submitted online at [www.ndt-aerospace.com](http://www.ndt-aerospace.com) by 31 May 2018.
- ⇒ Authors will be informed about the acceptance of their contributions in June 2018.
- ⇒ Authors whose paper was accepted have to register via the online form and pay the registration fee before 15 July 2018. The registration is binding and non-refundable. Contributions of authors, who have not paid the registration fee by 15 July 2018 will be cancelled.
- ⇒ The full paper, formatted according to the template, must be received by DGZfP as an electronic file by 15 Sept. 2018. The proceedings will be available at the conference.

Please use the electronic submission form on the website: [www.ndt-aerospace.com](http://www.ndt-aerospace.com)

### EXHIBITION

| **Deadline: 30 September 2018**

A vendor exhibition will be conducted to complement the technical presentations. A limited number of exhibit booths of at least 6 m<sup>2</sup> is available.

The rental fee is 300 Euro per m<sup>2</sup> plus Value Added Tax (VAT).

For each booth one conference badge with full conference participation will be provided (for 12 m<sup>2</sup> or more two badges).

### SPONSORSHIP

The 10<sup>th</sup> International Symposium on NDT in Aerospace provides an ideal opportunity to draw attention to your business by sponsoring. If you are interested in becoming a sponsor, please contact the conference secretariat by e-mail: [tagungen@dgzfp.de](mailto:tagungen@dgzfp.de) or phone: +49 30 67807-120.