



# 29<sup>th</sup> SFTE European Chapter Symposium 2018



The 29th SFTE European Chapter Symposium will be held at Delft University of Technology, at the premises of Faculty of Aerospace Engineering in Delft, The Netherlands from the 29th to the 31st of May 2018. The organization of the symposium is co-managed by the Netherlands Association of Aeronautical Engineers NVvL, the Delft University of Technology and the Netherlands Aerospace Centre NLR.

# The faculty of Aerospace Engineering:

it's all about connections

With 27 professors, 80 researchers and lecturers, more than 220 PhD students and 2,700 Bachelor's and Master's students, the faculty of Aerospace Engineering at TU Delft is one of the largest, most multifaceted scientific communities focusing on aerospace and related areas (such as wind energy) in the world.

Our mission: 'We aim to be a world-class faculty of Aerospace Engineering, renowned for modern teaching practices, high-profile research, hyper-modern laboratories and facilities, and pioneering innovations'. With these we aim to make an optimum contribution to society at a time when everything is increasingly revolving around connections.



# Delft University of Technology

Founded in 1842, Delft University of Technology has been providing technical education for over 170 years. A modern university of science and technology, its eight faculties are at the forefront of technological developments contributing to scientific advancement in the interests of world society.

TU Delft's excellent research and education standards are backed by outstanding facilities and research institutes. The university maintains close links with (inter)national industry, a strategic alliance that guarantees the relevance of its many academic programs and ensures rich career prospects for its graduates. All programs encourage creative and independent thinking with a focus on problem solving.

A fascination for science, design and engineering is the common denominator driving the 18,500 bachelor and master students and the 4,600 employees of TU Delft. Delft University of Technology is not only the oldest, but also the largest university of technology of the Netherlands: a university constantly seeking outstanding talent to keep the research and education of this unique institution top-ranked. Ranking 42nd in the THE World Reputation ranking 2014 TU Delft is the highest ranked Dutch university and the third highest European university of technology.

Society is TU Delft's continuous incentive for research. Health, energy, environment and infrastructures & mobility are today's major social issues. That's why TU Delft pays extra attention to research in these four domains. Fundamental research is part of this, because TU Delft aims to find solutions for tomorrow's problems as well as today's.

TU Delft has extensive on-campus research facilities, ranging from wind tunnels, chip facilities, a high-voltage lab and a nuclear reactor to serious gaming and product evaluation facilities. These facilities are also available for corporate research. Cooperation is central to successful innovation. To transform technological innovation into practical added-value applications for society, TU Delft cooperates with business, government and civic organizations.





# The Netherlands Association of Aeronautical Engineers (NVvL)

The Netherlands Association of Aeronautical Engineers (NVvL) is a nonprofit organization in the Netherlands which aims to further the advancement of aerospace sciences and engineering by providing our individual members a platform for exchange of information. With our approx. 300 members, the NVvL is the only association in The Netherlands which is represented in all specialist and work areas of the aerospace sector, from the industry to government and from science to research.

The NVvL promotes the national and international exchange of experiences among industrial companies, authorities, research institutes and universities. With the organization of (inter) national symposia and conferences like the CEAS Air & Space conference, the European Rotorcraft Forum (ERF), International Forum on Aeroelasticity and Structural Dynamics (IFASD), the Aeroacoustics conference and the subject Society of Flight Test Engineers (SFTE) European chapter symposium, by cooperation in international events and in debates on national level, the NVvL achieves an extensive and profound exchange of information and experience inside and outside the Netherlands and throughout Europe.

The NVvL is especially concerned to get young people interested in aerospace technology. The encouragement of the young engineers and scientists is one of today's major tasks. Our long standing relationship/cooperation with the Society of Aerospace Students of Delft University of Technology (Leonardo da Vinci) and University of Applied Sciences Inholland (Sypke Winia) are good examples.

# About NLR

## Netherlands Aerospace Centre

NLR is a leading international research centre for aerospace. Its mission is to make air transport safer, more efficient, more effective and more sustainable. Bolstered by its multidisciplinary expertise and unrivalled research facilities, NLR provides innovative and comprehensive solutions to the complex challenges of the aerospace sector.

NLR's activities span the full spectrum of Research, Development, Testing & Evaluation (RDT & E). Given NLR's specialist knowledge and state-of-the-art facilities, companies turn to NLR for validation, verification, qualification, simulation and evaluation. They also turn to NLR because of its deep engagement with the challenges facing our clients. In this way, NLR bridges the gap between research and practical applications, while working for both government and industry at home and abroad.

NLR stands for practical and innovative solutions, technical expertise and a long-term design vision, regarding their fixed wing aircraft, helicopter, drones and space exploration projects. This allows NLR's cutting-edge technology to find its way also into successful aerospace programmes of OEMs like Airbus, Boeing and Embraer.



# Discover the best of Holland

Discover the true story of Willem of Orange, get up close and personal with Johannes Vermeer, and see how the world-famous Delft Blue ceramics are made.



## **Delft, City of Delft Blue Pottery**

Between 1600 and 1800, Delft was one of the foremost pottery producers in Europe as Delft Blue pottery was immensely popular. Only “De Koninklijke Porceleyne Fles”, known as “Royal Dutch”, has remained in operation since 1653 and still produces the Delft Blue pottery according to the traditional methods. Other locations in Delft where one can see the pottery are “De Delftse Pauw” and in the many souvenir shops around town.

## **Delft & the Royal House of Orange**

The New Church contains the crypt where the members of the Dutch royal family, the house of Orange, have their final resting place.

## **Delft, City of Johannes Vermeer**

Johannes Vermeer was born in Delft in 1632, he lived and painted all of his life in Delft until he died in 1675.



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## Climate

The Netherlands share the temperate maritime climate common to much of Northern and Western Europe. The average day temperature in May is around 15 - 20° Celsius. An umbrella or rain coat for occasional showers may be useful.

## Currency and banking

The currency in the Netherlands is the Euro. In general, all major credit cards are accepted for payment in hotels, restaurants and shops. Most banks in Delft are open from 9.00 to 17.00 hours (Monday to Friday).

## Electricity

The voltage in the Netherlands is 220-240V. USA, English and some other foreign appliances require an adapter for the voltage as well as an adapter for the plug.

Please bring your own adapter as there are no adapters available at the congress venue.

## Insurance

Delegates are advised to arrange adequate travel, health and other insurance before they leave their home country.

## Opening hours shops

In the city center most shops are open 7 days a week. Opening hours: 09.30 until 18.00 hrs (Monday to Saturday); 12.00-17.00 hrs. (Sunday in the city center only). On Friday evening shops are open until 21.00 hrs.

## Passports and visa

All visitors travelling to the Netherlands must be in possession of a valid passport. Participants should check with their local travel agents whether they require an entry visa for the Netherlands.

## Time zone

The Netherlands and Amsterdam are in the Central European Time Zone, one hour ahead of GMT.

## Tipping

Service is always included. However, it is customary to tip in restaurants, bars and when paying for taxi's. As a general rule tipping between 5-10% should be adequate.

## Delft

Delft is easy to get to by train and by car. You can travel to Delft quickly and easily from 40 European destinations via Rotterdam The Hague Airport. The Airport is only a 15-minute drive from Delft. Amsterdam Airport Schiphol is a 50-minute drive from Delft.

Delft is situated between The Hague and Rotterdam and it takes about 15 minutes to get to either city. You can drive to Delft from The Hague and Rotterdam via the A13 motorway. From Amsterdam you take the A4 towards The Hague and then take the 'Rijswijk' exit onto the A13 (towards Rotterdam). On the A13, you take exit 9 (Delft) and follow the signs for 'centrum' and 'P-route centrum'.



## By public transport

The new 'Delft Centraal' train station was opened in 2016. Delft is worth a visit just for the station alone! From the station you can see the towers of the Old Church and walk to the city centre in only a few minutes. It only takes 10 minutes to get from Rotterdam and/or The Hague to Delft by train, 45 minutes from Amsterdam, and around three hours from Groningen and Maastricht.

Tram line 1 and buses stop right outside the front of the station. Tram 1 will take you to The Hague in about 30 minutes and to Scheveningen beach in about 45 minutes.

By the way, Delft is a great place to stay if you want to visit The Hague and Rotterdam as well. Delft has a wide range of excellent overnight accommodation which on average is a lot cheaper than in the surrounding cities.

From Schiphol Airport: the easiest (and cheapest) way is to take the train directly from the airport to the Delft railway Station.

From Delft railway Station: from this station it is a short walk (10 minutes) Train tickets can be bought at all train stations. However, to pay for buses, trams and metro in the Netherlands you need an "OV-chipkaart"

see e.g. <http://en.wikipedia.org/wiki/OV-chipkaart>

You can buy an OV-chipkaart at major metro stations, the railway stations (where also the bus central stations are located), or at Schiphol Airport. The OV-chipkaart is available in three different forms: the disposable OVchipkaart, the anonymous OV-chipkaart, and the personal OV-chipkaart.

The most useful one for tourists who only occasionally use public transport is a disposable

OV-chipkaart. The disposable card can only be used for travel products and does not feature an electronic purse. They are available for a range of fares, such as a three-day pass to all public transport in one city. After the card has been used, it cannot be reloaded, and is thrown away.



# Conference dinner

30 mei, 2018,

Restaurant Van der Dussen,

Bagijnhof 118, 2611 AS Delft





## Summary of the program:

### May 29:

1. Keynote and technical sessions
2. Reception (@ Aerospace Engineering)

### May 30:

1. Technical sessions, SFTE business meeting
2. Evening SFTE EC symposium dinner  
@ Restaurant Van der Dussen down Town Delft

### May 31:

1. Technical Tour

## Registration costs

	Participant	Registration fee
1	SFTE and/or NVvL members	€ 400,-
2	Non members	€ 450,-
3	Special fee (e.g. students)	€ 50,-
4	Partner fee (dinner and TT only)	€ 100,-

On-site payment requires an additional fee of € 50,-  
Only those who pay the full amount participate in the entire program.

## Hotel accommodation and the 29th SFTE EC symposium

The conference organisation did not make any block reservation.  
Hotel reservations can be booked at the discretion of the attendee.

The hotels listed below are recommended offering prices ranging from € 89,- to € 125,-. Note that the prices listed are indicative only.

	Hotel	Room price from
1	Westcord Delft	€ 124.00
2	Hotel Johannes Vermeer	€ 119.00
3	Royal Bridges Delft	€ 125.00
4	Hotel de Koophandel	€ 119.00
5	Hampshire Delft Centre	€ 124.50
6	De Plataan	€ 119.00
7	BW Museumhotels Delft	€ 105.00
8	Campanile Delft	€ 89.00

### Symposium location

Delft University of Technology,  
Faculty of Aerospace Engineering,  
Kluyverweg 1, 2629 HS Delft

