ABOUT us

The TFP Competence Center was founded by the Insitute of Aircraft Design (IFB) at Stuttgart University and Filacon Systems by Tajima GmbH in 2013. Both institutions have a long and deep background in the Composite materials area. At IFB the first research projects with Carbon Composites started in the 1970s. Filacon Systems sold the first TFP machines in 1999. Nowadays the IFB employs, more than 70 scientists doing research on Composites by operating over 40 composite handling machines in their laboratories. Filacon Systems has sold TFP machines to more than 20 countries worldwide and delivers to subcontractors of big players like Airbus, Boeing, BMW and Volkswagen.

Registration and Fees

Companies / Universities / Research Institutes
Registration **until** 2nd of August: 749 € / 549 € *
Registration **from** 3rd of August: 799 € / 599 € *
all prices net.
*The second and any additional participiant from one company or institute gets a 25% discount.

Schedule

Seminar hours are from 9:00 am to 5:00 pm each day unless otherwise indicated in the course description.

The following informations is needed for the registration

Name of company/institute:.....
Title:.....
Prename:.....
Surname:.....
Street:.....
Postcode, City:.....
Country:.....
Phone:.....
E-Mail:..... Signature: .....

Please fill out and Fax to: +49 (0) 7577 9313 13

Hotel Reservations

Please book your hotel on your own. We can recommend the following hotel in walking distance to the seminar's place: Campus Guest and Hotel Römerhof

Cancellations

Cancellations before 23rd of August 2019 are subject to a 150 € cancellation fee. Cancellations on and after 24th of August 2019 will be charged at the full registration fee. A registered participant can be replaced with another person with advanced notice.

Note

TFP Competence Center reserves the right to change instructors or cancel seminars. The TFP Competence Center cannot be held responsible for costs incurred other than the registration fee. Prices are subject to change; registrations will be charged at the current price.
We will take pictures during the seminar and keep the right to publish them. If you do not like this, please inform before the course starts.

Contact persons

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FILACON by TAJIMA GmbH

IFB Institut für Flugzeugbau
Institute of Aircraft Design

TFP Seminar

by the
TFP Competence Center

12. + 13. September 2019

About the seminar

The two-day seminar will give an overview on the Tailored Fibre Placement (TFP) method.
TFP is a subcategory of the automated fibre placement technology (AFP). Freedom in fibre orientation is the big challenge in using TFP technologies.
Designing TFP components can be very complex and expensive. So it is especially important to do it correctly within reduced iterations.
In the seminar you will get to know:
- Which equipment are needed to produce TFP parts efficiently
- How much time the process takes
- How to deal with design work
- How to handle TFP machinery
- How to find the fastest and easiest way from your idea to a composite part.

Who Should Attend

- Persons with composite background that are interested in TFP
- TFP starters and advanced users
- Composite and TFP designers
- Composite engineers interested in TFP

Benefits of attending

- Introduction to basic composite manufacturing technologies
- Gaining an overview of variable stiffness laminate designs
- Getting support for the best TFP design
- Receiving an overview of TFP benchmarks
- Getting the TFP technology best known
- Get a machine teaching for TFP machines

Seminar place

Stuttgart, Germany.
The seminar will be at Stuttgart University in the Institute of Aircraft design. Seminar rooms and laboratory with TFP and other AFP machinery will be available.

DAY 1 - Morning “Get an overview”

- Introduction, Getting to know each other
- Introduction in Fibre Placement Technologies
- Overview on composite manufacturing technologies
- Preforming technologies
- Thermosets and thermoplastic composites

DAY 1 - Afternoon “Get in touch with Fibre TFP”

- Basics of Tailored Fiber Placement (TFP)

DAY 2 - Morning “Get TFP well known”

- Creating a fibre path design
- Designing of variable stiffness structures
- Punching a fibre path design
- TFP Part Design Workshop
- TFP machine workshop with different materials

DAY 2 - Afternoon “Machine seminar”

- Introduction to the TFP machine
- Most popular failures
- Exchange of hook
- Learn the panel
- Lessons learned
- Workshop review
- Final questions