

ADVANCED FORMING OF THERMOPLASTIC COMPOSITES COURSE

COURSE CONTENT

The course offers knowledge on the press-forming process of thermoplastic composites. During this two-day event the ins and outs of the press-forming technology are presented.

The classroom sessions and the practical lab exercises elaborate on the following topics:

- Process parameter selection based on material properties
- Effects of tool design on manufacturability and part quality
- Influence of blank handling systems on formability
- The cause of process induced defects
- The use of predictive process simulation tools



WHO SHOULD PARTICIPATE?

The course aims at advanced level participants and is well-suited for engineers who are considering future application of thermoplastic composites and forming processes. Prior knowledge of the field of thermoplastic composites, a degree in mechanical engineering or another engineering study is advantageous.

PRICING AND VENUE

The fee for participation in this 2-day course is including course materials, lunches, drinks and a dinner. The course will take place in the lecture room and the lab facility of TPRC.

Day 1:

Morning session

Welcome and introduction
Principles of forming

Afternoon session

Practical session 1
Virtual forming

Day 2:

Morning session

Practical session 2
Bias-extension testing and press forming

Afternoon session

Effects on quality and process

MORE INFORMATION

If you are interested in the Advanced Forming of Thermoplastic Composites course, please contact Sebastiaan Wijskamp, Technical Director (training@tprc.nl).

Other tailored courses on specific topics are available upon request. Feel free to contact us for more information.