

JOINING OF THERMOPLASTIC COMPOSITES COURSE

COURSE CONTENT

The course offers knowledge on the different joining techniques available for thermoplastic composites, with a focus on the welding methods.

The course consists of theoretical and practical sessions, which elaborate on the following topics:

- Mechanisms underlying fusion bonding
- Potential and challenges of the different welding techniques
- The adhesion of thermoplastic composites to dissimilar materials
- Correlation between process parameters and joint quality



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 want to know more about the relevant joining methods. Prior knowledge of thermoplastic composites and their processing methods is advantageous.

PRICING AND VENUE

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

Day 1:Welcome and introduction

Theory sessions:
Fusion bonding and welding technologies

Practical sessions: Induction and resistance welding, NDI and microscopy

Day 2:

Theory sessions:

Mechanical fasteners, adhesive bonding non-standard joining methods and Joint characterization

Practical sessions:

Mechanical fastening, surface preparation for adhesive bonding, mechanical testing

MORE INFORMATION

If you are interested in the Joining of Thermoplastic Composites course, please contact us via training@trpc.nl. Other tailored courses on specific topics are available upon request. Feel free to reach out for more information.

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