

COST Action CA19118 - High-performance Carbon-based composites with Smart properties for Advanced Sensing Applications (EsSENce)

4th Training School:

Future trends on CNMs-based composites: from development to market application in the framework of sustainability and digitalization

Varano de Melegari, Italy, Dallara Automobili S.p.A & online streaming,
June 26-28, 2024

Wednesday, June 26th, 2024

- Venue: Varano de Melegari, Italy, Dallara Automobili S.p.A
- Link to the live streaming (*registration required*): to be announced

Time	Type	Title and Trainer
08:30		Meeting at (location to be announced) <i>Bus transfer from Parma to Varano (30-45 min)</i>
9:15-9:30		Welcome and Introduction to EsSENce COST Action <i>Evangelia Pavlatou (NTUA, Greece)</i> <i>Chiara Pernechele (Dallara, Italy)</i>
9:30-10:30	LR	Sustainable & nano-enhanced surface treatment & sizing techniques for tailored carbon fibers <i>Dionisis Semitekolos (NTUA, Greece)</i> <i>Costas Charitidis (NTUA, Greece)</i>
10:30-11:00		<i>Coffee break</i>
11:00-12:30	L	Safety and regulations - Challenges and opportunities for CNM-based composites <i>Sharali Malik (KIT, Germany)</i>
12:30-14:00		<i>Lunch break and networking</i>
14:00-14:30	L	Intro case-study to be discussed and completed during the training event <i>Chiara Pernechele (Dallara, Italy)</i> <i>Filippo Veneziani (Dallara, Italy)</i>

14:30-15:30	L	TPE base carbon nanomaterial composites: from development to market application <i>Frank Clemens (Empa, Switzerland)</i>
15:30-16:00		<i>Coffee break</i>
16:00-17:00	P	Group work
17:15		<i>Bus transfer to Parma</i>

Thursday, June 27th, 2024

- Venue: Varano de Melegari, Italy, Dallara Automobili S.p.A
- Link to the live streaming (*registration required*): to be announced

Time	Type	Title and Trainer
08:45		Meeting at (location to be announced) <i>Bus transfer from Parma to Varano (30-45 min)</i>
9:30-10:30	P	Group work
10:30-11:00		<i>Coffee break</i>
11:00-12:30	L	Sustainability in composites: CIT and Toray Group vision <i>Davide Fossati (CIT, Toray)</i>
12:30-14:00		<i>Lunch break and networking</i>
14:00-15:00	L	Title (to be announced) <i>Altair</i>
15:00-17:30		Dallara Lab Visit
17:45		<i>Bus transfer to Parma</i>

Friday, June 28th, 2024

- Venue: Varano de Melegari, Italy, Dallara Automobili S.p.A
- Link to the live streaming (*registration required*): to be announced

Time	Type	Title and Trainer
08:45		Meeting at (location to be announced) <i>Bus transfer from Parma to Varano (30-45 min)</i>
9:30-10:30	LR	Recycled carbon fiber nonwovens: a sustainable reinforcing option for lightweight composites <i>(TENOWO, Italy)</i>
10:30-11:00		<i>Coffee break</i>

11:00-12:30	LR	Title (to be announced) <i>Mariya Edeleva (UGent, Belgium)</i>
12:30-14:00		<i>Lunch break and networking</i>
14:00-15:30	P	Practical sessions Q&A - Group presentation
15:30-15:45		Closing remarks <i>Chiara Pernechele (Dallara, Italy)</i>
16:00		<i>Bus transfer to Parma</i>

Event types legend:

L: Lecture (trainer in presence & live streaming)

LR: Lecture (trainer from remote & live streaming)

P: Project work in presence (& live streaming)