

VENUE

Erice is located on top of Mount Erice, at around 750 m above sea level, overlooking the city of Trapani, the low western coast towards Marsala, the dramatic Punta del Sarceno and Capo san Vito to the north-east, and the Aegadian Islands on Sicily's north-western coast. According to legend, Erice, son of Venus and Neptune, founded this small town more than three thousand years ago. Homer (~1000 B.C.), Theocritus (~300 B.C.), Polybius (~200 B.C.), Virgil (~50 B.C.), Horace (~20 B.C.), and others have celebrated this magnificent spot in Sicily in their poems. Erice is at present a mixture of ancient and medieval architecture. Other masterpieces of ancient civilization are to be found in the neighbourhood: at Motya, Segesta, and Selinunte. A wild and rocky unspoiled coast surrounds Erice's mountain, with marine reserves at Motia, Egadi islands, Monte Cofano and Zingaro, and splendid beaches at San Vito Lo Capo, Scopello, and Cornino, all at less than one hour's drive from Erice.



How to reach Erice:

Trapani Birgi Airport (www.airgest.it/en/). Local Ryan Air hub serving western Sicily.

Palermo Punta Raisi Airport (www.gesap.it). One hour by coach from Trapani.

A cable car runs from the outskirts of the main town Trapani to the top of Mount Erice and Erice's village (www.funiviaerice.it).

Contacts:

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Supporting partners



- APC COMPOSITES (Sweden)
- CMT Center of Maritime Technologies e.V. (Germany)
- LFT - Lehrstuhl für Fertigungstechnologie (Germany)
- NAVTEC Sicilia - Distretto Tecnologico Sicilia Trasporti Navali (Italy)
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- University of Cambridge - Dep. of Engineering, LCMP group (UK)
- University of Newcastle - NewRail (UK)
- University of Porto (Portugal)
- University of Zagreb - Faculty of Mechanical Engineering and Naval Architecture (Croatia)



Organised by:

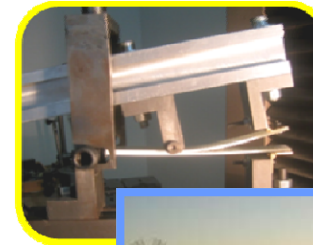
Università
degli Studi di Palermo

Centro Interdipartimentale di
Ricerca sui Materiali Compositi



Hy-Light

Winter School on
Hybrid Lightweight Joining Technologies
for Naval Applications



Erice, Sicily

October 31st – November 5th 2010

Sponsored by:



Scientific Programme

An intense four days classroom programme is set up with alternating lectures, presentations and round table feedback discussion slots. The official language of the event is English.

	Schedule	Topics addressed	Social events	
Sun 31st	Arrival transfers. Welcome Dinner.			
Mon 1st	9:30 - 11:00 11:30 - 13:00	Sheet metal forming and formability (<i>Prof. Marion Merklein</i>).		
	14:30 - 16:00 16:30 - 18:00	Mechanical behavior and characterisation of bonded joints (<i>Prof. Marino Quaresimin</i>).		
Tue 2nd	9:30 - 11:00 11:30 - 13:00	Adhesive joining of composites: modelling approaches and design for failure (<i>Dr. Albert Turon</i>).		
	14:30 - 16:00 16:30 - 18:00	Composites joining by means of mechanical fastening (<i>Prof. Pedro Camanho and Ing. Giuseppe Catalanotti</i>)		
Wed 3rd	9:30 - 11:00 11:30 - 13:00	Hybrid composite to metal joining solutions (<i>Dr. Stephan Ucsnik</i>). Optimisation and Integrity of hybrid steel-to-composite joints for marine application (<i>Dr. Stephen Boyd</i>).		
	14:30 - 16:00 16:30 - 18:00	Composite-to-metal adhesive joints and the composite patch repair of defected (cracked or corroded) steel structures (<i>Prof. Nicholas G. Tsouvalis</i>). Designing of steel/composite adhesive joints for naval applications (<i>Dr. Safa Hashim</i>).		
Thu 4th	9:30 - 11:00 11:30 - 13:00	Metals and Composites: the right joint. Overview of Joining processes at TWI (<i>Dr. Chris Worrall</i>). Overview on recent lightweight and multi-material design solutions in automotive applications (<i>Prof. Rudolf Stauber</i>).		Farewell Dinner
	14:30 - 16:00 16:30 - 18:00	Round table discussion with local industrial consortiums from boat industry.		
Fri 5th	9:30 - 11:00 11:30 - 13:00	Students test. PhD students will obtain 4 CFU from attending the summer school and passing the test.		Departure transfers

* Morning break 11:00 - 11:30; lunch break 13:00 - 14:30; afternoon break 16:00 - 16:30.

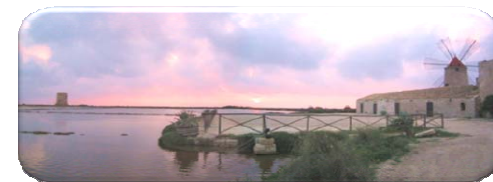
Lecturers

- **Dr. Stephen Boyd**, University of Southampton, UK
- **Prof. Pedro Camanho**, University of Porto, Portugal
- **Mr. Giuseppe Catalanotti**, Alstom Transport
- **Dr. Safa Hashim**, University of Glasgow, UK
- **Prof. Marion Merklein**, University of Erlangen-Nuremberg, Germany
- **Prof. Marino Quaresimin**, University of Padova, Italy
- **Prof. Rudolf Stauber**, BMW, Germany
- **Prof. Nicholas G. Tsouvalis**, National Technical Uni. of Athens, Greece
- **Dr. Albert Turon**, University of Girona, Spain
- **Dr. Stephan Ucsnik**, Austrian Institute of Technology, Austria
- **Dr. Chris Worrall**, The Welding Institute (TWI), UK



Organizing Committee:

Prof. Antonino Valenza (valenza@unipa.it);
 Prof. Livan Fratini (fratini@dtpm.unipa.it);
 Dr. Giuseppe Pitarresi (pitarresi@dima.unipa.it).



General Information



The registration fee is 500 € and will include:

School fees, Transfer from/to Palermo and Trapani Airports, Hosting in single, double or triple rooms at Hotel Moderno (www.hotelmodernoerice.it), lunches and dinners, coffee breaks, farewell dinner.

Further details at www.dima.unipa.it/hylight.html or by contacting the scientific secretary at: hylight@dima.unipa.it.

Deadline for registration and fee payment: October 5th, 2010.

Payment of the fees by money transfer to the following bank account:
 IBAN: IT52R0102004663000300014518 — SWIFT: BSICITRR

The payment issue should include the name of the attendee and the following destination:

**Dipartimento di Tecnologia Meccanica, Produzione ed Ingegneria Gestionale
 Università di Palermo
 Viale delle Scienze, 90128 Palermo (Italy)**

Registration Form

Surname _____ First Name _____

Title (Prof, Dr, Mr, Ms, Mrs) _____ Job Title _____

Organization _____

Address _____

Zip Code _____ Country _____

Tel _____ Email _____

Please send the registration form by fax at 0039 091 7025040 or by email to hylight@dima.unipa.it.

