

Erasmus Blended Intensive Programme

2nd REUNICE Doctoral Summer School “MULTIFUNCTIONAL MATERIALS AND SUSTAINABILITY”

*ONLINE (17 - 28 June, 2024; Moodle platform) +
ON-SITE (1 - 5 July 2024, Catania, Villa Zingali-Tetto, Scuola Superiore di
Catania, Polo Tecnologico)*



We are really looking forward to welcoming you in Catania for the **Erasmus Blended Intensive Programme - 2nd REUNICE Doctoral Summer School “Multifunctional Materials and Sustainability”**.

In the following, you will find all practical information to simplify your coming: hotel reservation, contact address, venue, transportation, instruction for the poster presentation, programme.

Please do not hesitate to contact us if you need further information (eunice@unict.it, subject '**REUNICE 2nd Doctoral Summer School**').

REGISTRATION

Please read carefully the info and instruction below and **fill in at your earliest convenience** the following **REGISTRATION FORM (mandatory)**:

<https://forms.office.com/e/srj7VhDndy?origin=lprLink>



INDEX:

REGISTRATION	2
<i>CHECK LIST for the BIP Erasmus</i>	4
ACCOMODATION	5
<i>Suggested hotels</i>	5
TRANSPORTATION	6
<i>From the airport “Vincenzo Bellini” to Catania center</i>	6
<i>Moving around in Catania</i>	6
<i>Contacts</i>	7
OTHER INFO:	7
<i>Catania</i>	7
<i>The University of Catania</i>	8
Poster presentation:	9
<i>Instruction for poster preparation</i>	9
PROGRAMME	10
ONLINE (17-28 June, 2024)	10
ON-SITE (Catania, Villa Zingali-Tetto, Scuola Superiore di Catania, Polo Tecnologico, 1 - 5 July, 2024)	11
<i>Monday 01/07</i>	11
<i>Tuesday 02/07</i>	12
<i>Wednesday 03/07</i>	13
<i>Thursday 04/07</i>	14
<i>Friday 05/07</i>	15

CHECK LIST for the BIP Erasmus

(for more info please contact the International Relation Office at your University)

WHEN:	WHAT:
<i>Before mobility</i>	<i>Fill the On-line Learning Agreement and complete the application procedure</i>
<i>During mobility</i>	<i>Register and sign daily the attendance list</i>
<i>End of mobility</i>	<i>The Transcript of records and certificate of attendance will be sent to your IRO</i>

Accommodation

Catania offers a variety of options for accommodation. Please find below a small selection that you might want to consider for your stay in Catania. Below is a list of hotels affiliated with UNICT located in Catania City Center.

Feel free to introduce yourself as a member of UNICT affiliated institutions. If you need help with your reservations, please do not hesitate to contact us: eunice@unict.it with subject: **"Hotel Booking – REUNICE Summer School"**.

Suggested hotels

Hotel name <i>(price on for 6 nights, 30th June – 6th July, booking.com)</i>	Address	Contact	Distance: min (Bus no.) to/from Villa Zingali Tetto
B&B Casa Barbero <i>(Single room: 65 €; Double room: 85 €)</i>	Via Caronda 209, 95128 Catania	website info@casabarbero.it +39 095 580514	Walking: 13 Bus: 6 (442/744/929)
Hotel Centrale Europa <i>(Single room: 349 €)</i>	Via Vittorio Emanuele II 167, 95124 Catania	website info@hotelcentraleuropa.it +39 095 311309	Walking: 39 Bus: 16-19 (744/929)
Casa Provenza <i>(Single room: 402 €)</i>	Via della Loggetta 13 95131, Catania	website casaprovenza13@gmail.com +39 095 2865984	Walking: 38 Bus: 16-18 (744/442/929)
The Artist's Home Catania Centro <i>(Single room: 332 €)</i>	Via Penninello 6, 95124 Catania	website booking.com +39 095 379 116 7894	Walking: 32 Bus: 9 (744)
Dimora De Mauro <i>(Single room: 446 €)</i>	Via Gesualdo Clementi, 5 95124 Catania	website reception@dimorademauro.com +39 095 715 9270 +39 335 8112939	Walking: 34 Bus: 15 (744)

TRANSPORTATION

From the airport “Vincenzo Bellini” to Catania center

BUS: You can take the **Alibus shuttle** from Fontanarossa “Vincenzo Bellini” airport (“Capolinea” bus stop) to Catania ([route of the Alibus line](#)). The ticket price for the ALIBUS line is 4.00 € and is also valid on all other AMT urban lines for a total of 90 minutes. Rides are scheduled from 4:40 am to 24 am. The bus with an average frequency runs every 20 minutes and the ride lasts about 20/30 minutes. The ticket can be purchased in the following ways: a) on the bus in cash or with payment cards; b) through the AMT Catania app (link to download: [IOS](#); [Android](#)); c) at the subscription office and AMT resellers; d) at the affiliated hotels. All the info is available [here](#).

TAXI: You can take a **Taxi** from Fontanarossa “Vincenzo Bellini” airport to Catania. The cost of a ride is about 50.00 €. If you book via [radiotaxicatania](#) website or  **Call center:** +39 095.88.33  **Whatsapp:** +39 342.073.6541 the cost of the ride to downtown is around 22.00 €.

RENTAL CAR: You can rent a car. Main car rental are located in the airport. More information is available [here](#).

Moving around in Catania



BUS: Catania bus company is named [Azienda Municipale Trasporti – AMT](#) and it offer bus services.

METRO LINE: [Ferrovie Circumetnea – FCE](#) offer metropolitan line services.

Thanks to an agreement between AMT and FCE integrated travel tickets are available. Find detailed information [here](#).

CAR & BIKE SHARING: AMIGO is GO is the car and bike sharing service offered by Azienda Municipale Trasporti – AMT. Information is available [here](#).

TAXI: There are plenty of taxis available in the city (night&day). Please, contact

[RADIO TAXI CATANIA](#).  Call center: +39 095.88.33.  Whatsapp: +39 342.073.6541

Contacts

UNICT IRO (✉ eunice@unict.it)

Francesca Brancatelli

+39 0957307018

Valentina Barbagallo

+39 0957307052

REUNICE Project Officer (✉ pasqua.meccariello@unict.it)

Pasqua Meccariello

+39 3401389353

Other info:

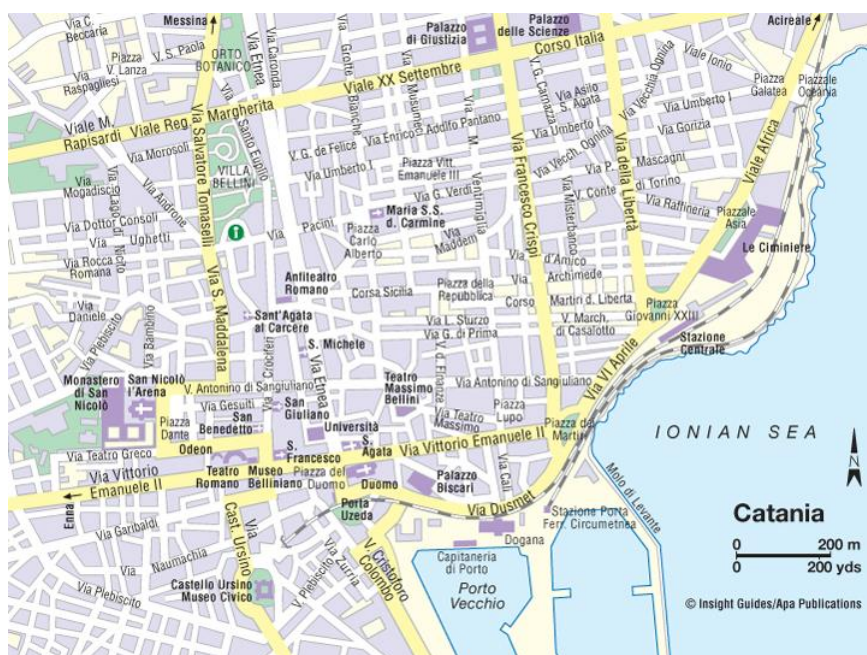
Catania

Catania is the second largest city in Sicily, with a population of approximately 300,000 inhabitants. It is located on the Ionian Sea, in the shadow of Mount Etna, or A Muntagna, as the locals call it.

Etna is ever-present and has to a large extent shaped both the history and actual existence of Catania. On several occasions, volcanic eruptions destroyed the city, the most devastating of which occurred in the 17th century. In 1669 Catania was covered in lava and then, just 24 years later, in 1693, an earthquake shook the city to its foundations.

The reaction to this latest catastrophe was surprising: the entire old part of the city was rebuilt in Baroque style, with large squares and wide-open avenues. The most notable aspect, however, was the building material used: lava! Catania is essentially a "grey" city and unique in the world for this.





The University of Catania

With an average enrolment of 38,000 students, the [University of Catania](#) has been around for hundreds of years **since 1434** and is oldest one in Sicily.

The educational activities, additionally to the traditional assignments of scientific research, are run and overseen by [17 departments](#) and 2 Didactic Units located in the cities of Ragusa ([Foreign Languages and Literatures](#)) and Syracuse ([Architecture](#)), respectively.

Another special unit is the [Scuola Superiore di Catania](#), a higher education centre based on excellence that was founded in 1998 for the selection and the recognition of the brightest young minds, offering a variety of studies including analysis, research and experimentation.

Download [here](#) the brief presentation of our university

Poster presentation:

The student attending the Summer School will take part on July 3rd and July 5th, to joint sections with the 2nd REUNICE Workshop on the same subject.

The students of the Summer School will present a poster related to their research activity at the Poster Session scheduled in the afternoon of July 3rd (see below the programme).

The Organizing Committee will take care of printing the poster (**free of charge**).

Please send the pdf file to eunice@unict.it by June 24th, 2024, subject 'Summer school – poster to be printed'.

Instruction for poster preparation

The viewable size of the poster board is: vertical 1.20 m and horizontal 0.90 m. Please **prepare your poster in A0 format** (841 x 1189 mm). Authors need to be present at their posters for discussion with attendees during the session. Subsequently, it is each author's responsibility to remove his/her poster immediately at the end of the session.

Programme




ONLINE (17-28 June, 2024)

On the Moodle platform ([LINK](#) to the Teams Meeting)

Date	Time	Course name	Teacher	UNIV.
17/06/24	14:00-14:30	Introduction to the Summer School	Pasqua Meccariello Cristina Satriano	UNICT
19/06/24	9:00-11:00	Fundamentals for CO ₂ utilization processes: from electrocatalysts to electrolyzers	Guillermo Díaz Sainz	UC
19/06/24	11:00-13:00	Decarbonization of the economy: textile and cement industries as case studies	Guillermo Díaz Sainz	UC
24/06/24	10:00-12:00	Green Thermoset for Green Composites: Developing Strategies for Fully Recyclable Green Thermoset Based composites	Gianluca Cicala	UNICT
25/06/24	10:00-12:00	Multiple criteria decision analysis for sustainability assessment (I)	Salvatore Greco	UNICT
26/06/24	12:00-14:00	Challenges on the way from idea to commercial production, on the example of targeted derivatization of a waste generated during production of sugar - glycine betaine	Michał Niemczak	PUT
27/06/24	10:00-12:00	Multiple criteria decision analysis for sustainability assessment (II)	Salvatore Greco	UNICT
28/06/24	10:00-12:00	How to Prepare and Deliver a Scientific Presentation at an international scientific meeting	Lorena Saitta	UNICT

ON-SITE (Catania, Villa Zingali-Tetto, Scuola Superiore di Catania, Polo Tecnologico, 1 - 5 July, 2024)

The Summer School will be hosted **in 3 different locations:**

 DICAR Villa Zingali Tetto Address: Via Etnea 742 95128 Catania	 SCUOLA SUPERIORE di CATANIA MEDITERRANEAN UNIVERSITY CENTER Scuola Superiore di Catania Address: Via Valdisavoia 9 95123 Catania	 Università di Catania Polo Tecnologico Address: Via S. Sofia, 102 95123 Catania
---	--	--

Monday 01/07

	Date	Time	Course Name	Teacher	Univ
Villa Zingali Tetto	Monday 01/07	8:30-9:00	registration		
		9:00-10:30	Scanning probe microscopy – General introduction	Philippe Leclere	UMONS
		10:30-11:00	coffee break		
		11:00-13:00	General characterization techniques	Clara Casado Coterillo	UC
		13:00-	Lunch break		
		14:30-16:00	Biopolymers in membrane separation processes	Clara Casado Coterillo	UC
		16:00-	coffee break		
		16:30-17:30	Synthesis of biopolymer-based membranes	Clara Casado Coterillo	UC
	Monday 01/07	17:45	Free time - autonomous dinner		

Tuesday 02/07

	Date	Time	Course Name	Teacher	Univ
Villa Zingali Tetto	Tuesday 02/07	8:30-9:00	registration		
		9:00-10:30	Synthesis of biopolymer-based membranes	Clara Casado Coterillo	UC
		10:30-	coffee break		
		11:00-13:00	Application potential in CO2 separation	Clara Casado Coterillo	UC
		13:00-	Lunch break		
		14:30-16:00	About the piezoelectric and thermoelectric properties of materials at the nanoscale: the case of energy harvesters	Philippe Leclere	UMONS
		16:00-	coffee break		
		16:30-17:30	The next step: multifunctional characterization platform and correlative data analysis	Philippe Leclere	UMONS
	Tuesday 02/07	17:45	Free time - autonomous dinner		

Wednesday 03/07

	Date	Time	Course Name	Teacher	Univ
Villa Zingali Tetto	Wednesday 03/07	8:30- 9:00	<i>registration</i>		
		9:00- 10:30	<i>Creative design of new multifunctional compounds - in the search of attractive cation-anion combinations for the modern pharmaceutical, agrochemical and surfactant industry</i>	<i>Michał Niemczak</i>	<i>PUT</i>
		10:30-	<i>coffee break</i>		
		11:00- 12:30	<i>Creative design of new multifunctional compounds - in the search of attractive cation-anion combinations for the modern pharmaceutical, agrochemical and surfactant industry</i>	<i>Michał Niemczak</i>	<i>PUT</i>
	Wednesday 03/07	12:30-	<i>shuttle transfer to SSC</i>		
Scuola Superiore Catania	Wednesday 03/07	13:00-	<i>Registration + Lunch break</i>		
		14:30- 14:45	<i>Welcome</i>		
		14:55- 15:40	<i>Keynote:</i>	<i>Sabrina Sartori</i>	<i>U. Oslo</i>
		15:30- 17:30	<i>poster session in the courtyard, open coffee break during the whole session</i>	<i>Philippe Leclere</i> <i>Michał Niemczak</i> <i>(mentoring and supervision)</i>	<i>UMONS</i> <i>PUT</i>
	Wednesday 03/07	17:45	<i>shuttle transfer from SSC to Monastero Benedettini for the guided tour</i>		
		18:00- 20:00	<i>guided tour Monastero Benedettini</i>		
		20:00	<i>Social dinner, city center</i>		

Thursday 04/07

	Date	Time	Course Name	Teacher	Univ
Villa Zingali Tetto	Thursday 04/07	8:30- 9:00	registration		
		9:00- 10:30	Creative design of new multifunctional compounds - in the search of attractive cation-anion combinations for the modern pharmaceutical, agrochemical and surfactant industry	Michał Niemczak	PUT
		10:30-	coffee break		
		11:00- 13:00	Creative design of new multifunctional compounds - in the search of attractive cation-anion combinations for the modern pharmaceutical, agrochemical and surfactant industry	Michał Niemczak	PUT
		13:00-	Lunch break		
	Thursday 04/07	14:45	shuttle transfer to Polo Tecnologico		
Polo Tecnologico	Thursday 04/07	15:00- 18:00	Laboratory activity	G. Cicala P. Leclere M.Niemczak (training & supervision.)	UNICT UMONS PUT
		18:00- 19:00	coffee break/happy hour		
	Thursday 04/07	19:00	shuttle transfer from Polo Tecnologico to city center		
		19:15	Free time - autonomous dinner		

Friday 05/07

	Date	Time	Activity	Speaker	Univ	
	Friday 05/07	09:00	shuttle from city center to SSC (collection point tbd)			
Scuola Superiore Catania	Friday 05/07	9:30-10:10	Invited:	Mario Urso	UNICT	
		10:10-11:00	Contributed talks	Federico Ursino Pierre Nickmilder Angelo Ferlazzo	UNICT UMONS UNICT	
		11:00-11:30	coffee break			
		11:30-12:20	Contributed talks	Ernestino Lufrano Michał Niemczak Alfio S. Mancuso Adriana Olejniczak	UNICT PUT UNICT PUT	
		12:30-14:30	lunch + break			
		14:30-16:00	Contributed talks	Philippe Leclere Cristiano Lo Po' Amelia Klimek Vanna Torrisi Gabriela García-Basté	UMONS UNICT PUT UNICT UC	
		16:00-16:30	coffee break			
		16:30-17:20	Contributed talks	Andrea Lo Mastro Daniel Aragón Giulia Raciti	UNICT UC UNICT	
	05/07	17:30	shuttle from SSC to city center			
	05/07	18:00	Free time - autonomous dinner			