

ORGANIZED BY THE

Institute on Membrane Technology (CNR-ITM)



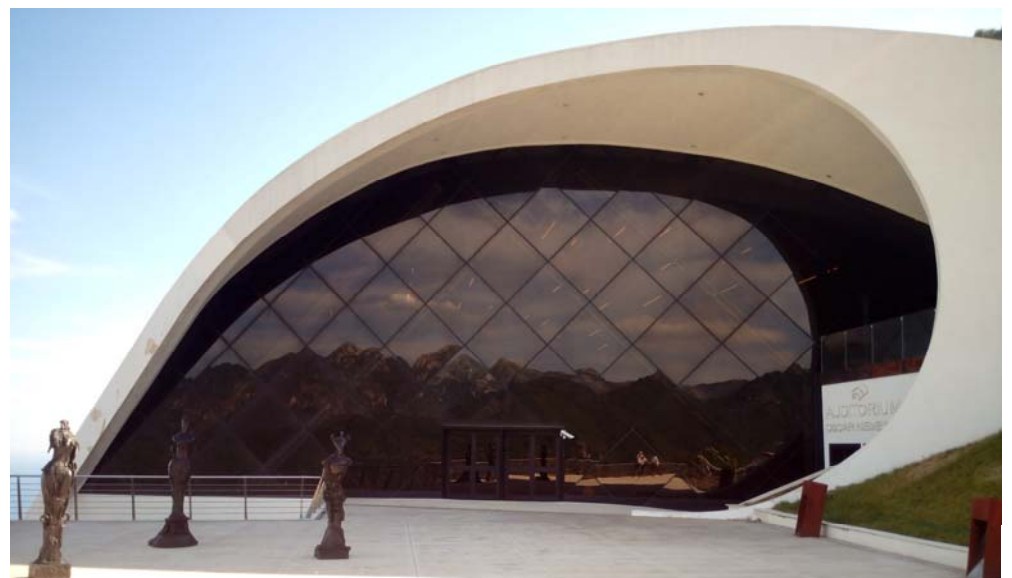
3<sup>rd</sup> International Workshop on  
**Membrane Distillation and Innovating Membrane  
Operations in Desalination and Water Reuse**

mdravello2021

**April 12<sup>th</sup> - 15<sup>th</sup>, 2021**

Auditorium Oscar Niemeyer

**Ravello (SA), Italy**



**2<sup>nd</sup> Announcement**

web site [www.itm.cnr.it/mdravello2021](http://www.itm.cnr.it/mdravello2021)

e-mail [mdravello2021@itm.cnr.it](mailto:mdravello2021@itm.cnr.it)

## About this Conference

**M**embrane contactors represent an emerging technology that can lead to significant innovation in processes and products, thus offering new opportunities in the design, rationalization and optimization of innovative productions. Among the different operations, membrane distillation (MD) and related technologies represent a powerful tool to improve current production processes with fundamental benefits in terms of process efficiency and products quality.

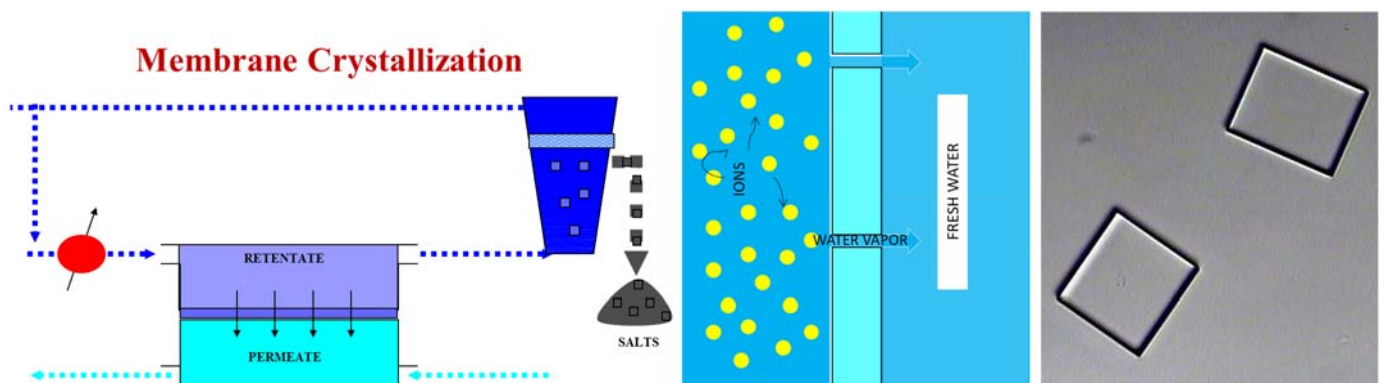
Following the first conference on “*Membrane Distillation*” held in Rome on May 1986 (Chairman Prof. Enrico Drioli, CNR-ITM), the “*International Workshop on Membrane Distillation and Related Technologies*” held on 9-12 October 2011, the 2<sup>nd</sup> *International Workshop on “Membrane Distillation and Innovating Membrane Operations in Desalination and Water Reuse”* held on July 1 - 4, 2015, **the 3<sup>rd</sup> International Workshop on “Membrane Distillation and Innovating Membrane Operations in Desalination and Water Reuse”** will be held on April 12 - 15, 2021 in Ravello (on the Amalfi Coast), Italy, organized (as the previous ones) by the Institute on Membrane Technology (CNR-ITM).

All relevant membrane contactors operations and their relevant aspects (from new membranes synthesis to modelling of the transport mechanisms, combination with alternative energy sources and applications) will be discussed.

The purpose of the Workshop is to share the latest research works and technological advances in the field and its’ areas of application. A compelling program, featuring an interesting line-up of international speakers that will present in-depth information about the latest technologies and products will characterize the event.

*Oral presentations* at the Workshop are *by invitation only* from the Committee.

A Poster session with contributions presented by researchers to illustrate leading edge research to an international audience, will be available at the conference site. The event will represent also an excellent opportunity for networking, collaborations and partnerships among scientist coming from different areas of expertise. Prizes will be assigned for the best poster presentations given by early career researchers.



## Topics

### **Membranes materials and membrane synthesis/characterization and modelling**

Modeling of mass/heat transport mechanisms

### **Process engineering, module configurations, processes simulations and performances**

Membrane fouling

### **Membrane assisted crystallization and other membrane-based crystallization systems**

Osmotic distillation

### **Membrane assisted condensation**

Membrane Engineering for process intensification

### **Membrane emulsification**

Applications in food, pharmaceutical, fine chemical, water treatment (desalination and purification), and petrochemical industries

### **MD and related operations for biofuels productions**

Hybrid systems: MD/RO – MD/MBR – MD/membrane reactors and others

### **Concepts implementations, scale down/scale up and microfluidics**

Membrane systems in the extraction and recovery of mineral from the sea and wastewaters

### **Combination with renewable energy sources and low-grade waste heat streams**

Hybrid systems, new applications and future developments



## Conference Organization

### Conference

#### Organizer

*Institute on Membrane Technology  
(CNR-ITM)*

#### Chairpersons

*Enrico DRIOLI (ITALY)  
Alberto FIGOLI (ITALY)*

#### Scientific Committee

*Vincenzo ARCELLA (Italy)  
Zhaoliang CUI (China)  
Tony FANE (Australia)  
Lidietta GIORNO (Italy)  
Wanqin JIN (China)  
Young Moo LEE (Korea)  
Kamalesh SIRKAR (USA)  
Maria TOMASZEWSKA (Poland)  
Matthias WESSLING (Germany)*

#### Organizing Committee

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Elena TOCCI  
Alessandra CRISCUOLI  
Romeo DE LUCA  
Alberto FIGOLI  
Lidietta GIORNO  
Francesca MACEDONIO*

#### Secretariat

*Institute on Membrane Technology  
Tel: +39 0984 4920-38/12/39  
Fax: +39 0984 402103*

## Sponsors (at 31.08.2020)

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**Bronze Sponsor**

Under the patronage of the Section on Membrane Engineering of the European Federation of Chemical Engineering

## Payment and Deadlines

<b>Category</b>	<b>Early Registration</b> before January 20, 2021	<b>Late Registration</b> after January 20, 2021
<i>Participants</i>	€ 1000	€ 1200
<i>Students *</i>	€ 500	€ 550

### Registration Opening: June 20, 2020

The registration fee covers: participation to all conference activities, welcome reception, coffee breaks, conference dinner, printed materials, local transportations.

All participants should pay both registration fee and Hotel accommodation. All participants should take care of their own reservations directly with Hotels. A list will be given in the website. Places at this conference are limited and will be offered on a first come first serve basis.

**Transportations from Naples Airport (Capodichino) to Ravello on April 12 and from Ravello to Naples Airport on April 15 will be organized for the registered participants.**

\* Students should send their application together with a declaration of their supervisor certifying their status.

### Payment

Registration Fee should be paid by bank transfer or by credit card:

#### By Credit Card

First register then sign in to your account (<https://www.itm.cnr.it/mdravello2021/login>). Press the button which invites you to pay. Visa and Master Card credit cards are allowed through the PayWay Secure Service.

#### By Wire Transfer

**NAME OF THE BANK:** Banca Nazionale del Lavoro

**BENEFICIARY:** Consiglio Nazionale delle Ricerche – Incassi e pagamenti giornalieri

**ADDRESS:** P. le Aldo Moro 7, 00185 Roma – Italy

**IBAN:** IT75N0100503392000000218150

**SWIFT/BIC:** BNLITRR

**OBJECT:**NAME SURNAME mdravello2021 Registration - ITM-CNR UO 097.000

After sending your registration payment by bank wire transfer, scan the bank receipt and attach the PDF file in an email to: [mdravello2021@itm.cnr.it](mailto:mdravello2021@itm.cnr.it) or fax to +39 0984402103

## **Draft Program**

### **Monday, April 12, 2021**

16:30 – 18:30 Registration at the Auditorium

19:00 – 21:00 Welcome Cocktail

### **Tuesday, April 13, 2021**

9:00 – 9:15 Welcome and Opening Remarks

9:15 – 17:00 Lectures

17:00 – 19:30 Poster Session

### **Wednesday, April 14, 2021**

9:00-18:50 Lectures

20:00 – 22:30 Conference Dinner

### **Thursday, April 15 2021**

9:00-15:00 Lectures

15:00-16:00 Closing Remarks

A virtual Session will be eventually organized for Participants not able to be physically present in Ravello due to COVID-19 epidemic restrictions in their Countries. Details on these possibilities will be given in the 3rd Announcement in early November 2020.

### **NEW DEADLINES**

Abstract submission: **January 10, 2021**

Notification of acceptance: **February 15, 2021**

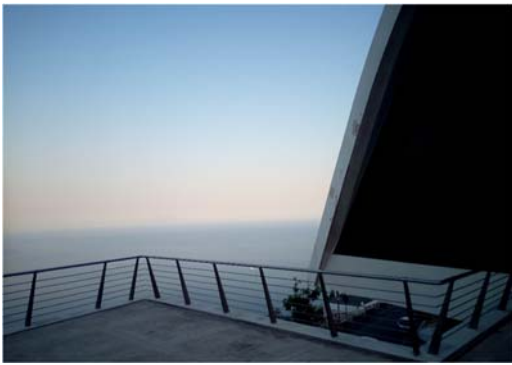
Early Registration : **January 20, 2021**



## Venue

**R**avello, located at the top of the Dragone Valley, really seems as though it is a town, and a garden, at the same time. Thousands of years of history, an enchanting mountaintop setting on Italy's most beautiful coastline and views together with examples of traditional architecture that have captivated countless souls, inspired artists and filled hearts with passion.

Some famous artists who have visited Ravello are, Boccaccio, and Wagner, as well as many others. Ravello has been named the City of Music and is home to the Villa Cimbrone, Villa Rufolo, the striking Oscar Niemeyer Auditorium and a vibrant cultural scene: Ravello Festival, Ravello Concert Society.



### Auditorium

"It's not the perfect angle that attracts me, and not even the straight, hard, inflexible man-made one. What really attracts me is the free and sensual curve. The curve that represents the meeting of the mountains of my homeland, the figure of a beautiful woman, the clouds of the sky and the waves of the sea. The same curves which create the Universe. The curved Universe of Einstein." (Oscar Niemeyer)

## How to arrive

**By car** ([www.autostrade.it](http://www.autostrade.it) | [www.tuttocitta.it](http://www.tuttocitta.it) | [www.viamichelin.it](http://www.viamichelin.it))

### from Naples

From the motorway A3 Napoli-Pompei-Salerno, exit gate: Angri Sud. Follow the indication "Valico di Chiunzi" and "Costiera amalfitana" or From the motorway A3, Napoli-Pompei-Salerno, exit gate: Vietri sul mare. Follow the indications "Costiera amalfitana" and "Ravello".

### from the South

From the motorway (A3) the exit gate is Salerno. Follow the indications to Vietri sul Mare and take the SS163 "Amalfi Coast" to Ravello.

**By bus** ([www.sitasudtrasporti.it](http://www.sitasudtrasporti.it))

From Naples and Salerno: SITA bus to Amalfi;  
from Amalfi: SITA bus to Ravello

**By train** ([www.trenitalia.it](http://www.trenitalia.it), [www.italotreno.it](http://www.italotreno.it))

The recommended railway station is Salerno.

From Salerno: SITA bus

**By plane** ([www.gesac.it](http://www.gesac.it))

**Solution A:** From the international Napoli-Capodichino Airport, take a taxi or rent a car to Ravello (65 kilometers).

**Solution B:** From the international Napoli-Capodichino Airport take an ALIBUS to Napoli Centrale railway station, a train to Salerno and SITA bus to Amalfi and then to Ravello

