

Dedicated to:

...students (MSc, PhD, post docs) or professionals involved in the study of solution equilibria and the analysis of relevant thermodynamic parameters.

The well-known computer science motto of “garbage-in garbage-out” perfectly holds also for chemical thermodynamics.

Researchers working in this field need high-quality data to obtain high-quality results. Analogously, any subject dealing with chemical thermodynamics need high-quality data and models to ensure their robustness for high-quality applications.

SOLVe will help people dealing with solution equilibria in promoting good laboratory practices. Experienced professors will provide focused theoretical background, practical aspects and tips for high-quality experimental data collection and clues for robust data analysis through different models and protocols (ranging from Excel to more specialised software). The main experimental approaches for solution analysis will be presented and discussed.

Organized by :



International Group for the Thermodynamics of Complexes

Chairs:

Demetrio Milea	University of Messina (IT)
Tarita Biver	University of Pisa (IT)
Sofia Gama	University of Burgundy (FR)
Enrique García-España	University of Valencia (ES)
Carmelo Sgarlata	University of Catania (IT)

Important info:

Deadline: 31st March 2020

Registration Fee for non COST Trainees: 250€

Registration fee includes:

- Accommodation
- Lunch
- Social Dinner
- 7 hours lessons per day
- Training material

Min number of participants required: 10

Max number of participants allowed: 25

Confirmation of participation: 15th April 2020

Contact – Info – Registration:



1st NECTAR Training School on the Determination, Analysis and Use of Thermodynamic Data



Advances in SOLution Equilibria





27 – 31 JULY 2020
“Papardo” Campus
University of Messina, Italy

How to reach Messina:

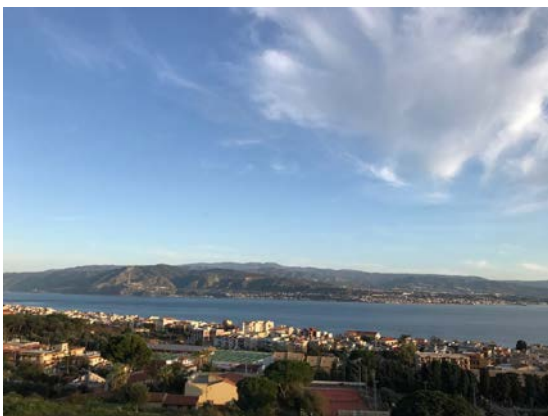
✈ Fly to Catania Fontanarossa Airport

🚌 Direct bus connection between Catania Fontanarossa Airport and Messina city centre (ca. 1h20) www.saisautolinee.it

Alternative:

✈ Fly to Reggio Calabria Airport

🚢 Ferry connection from Reggio Calabria or Villa San Giovanni Ports to Messina



Credits: Sofia Gama

5 DAYS ⇒ 5 TOPICS

Each day will be focused on a peculiar technique

- Potentiometry & Electrochemical techniques
- Spectrophotometry & Spectrofluorimetry
- NMR
- Calorimetry

Combined and complementary techniques will be presented and discussed on the last day.

Participants will be encouraged to present peculiar systems/problems related to their own research work so that they can be discussed together with colleagues and professors.

PROGRAMME

Daily schedule :

9.00 – 12.00

INTRODUCING THE PROBLEM

Brief theoretical introduction to a technique, practical aspects of experimental set-up and tips for the correct analysis of the results

12.00 – 13.00

DATA COLLECTION

Datasets simulating real experiments are provided to students and commented. Files are prepared for successive analysis through the proper software.

[13.00 – 17.00 Lunch/Social Activities]

17.00 – 18.30

ANALYSIS

Data analysis using the appropriate equations and software. Just little coaching planned: students face the problem.

18.30 – 20.00

APERRO & SOLUTION

In an informal context, students discuss the results they found with the professors and check for their correctness.

